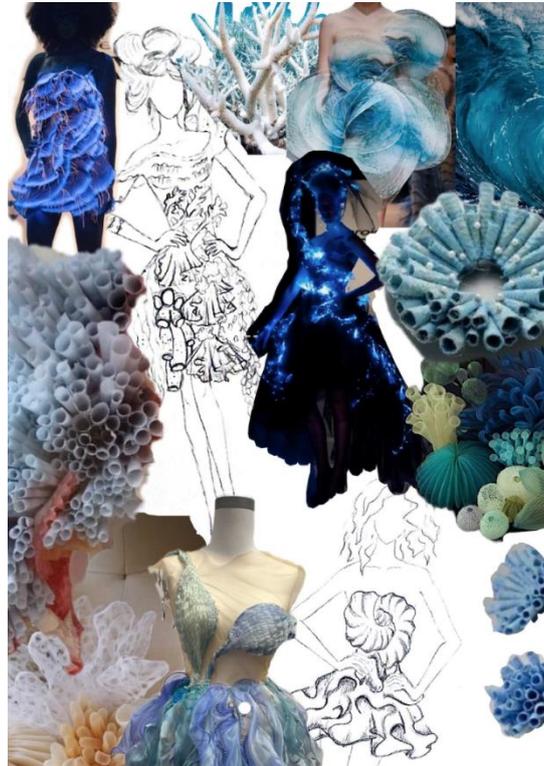


2024 UpRising Design Projects

Coral Bleaching Awareness Campaign Through Fashion Design



30 January 2024 by [emily0401](#) 25

My design and technology major project for 2024 is a textiles-based coral bleaching awareness campaign to promote the effects of bleaching on our coral ecosystems. I aim to use the beauty of textiles with the incorporation of LED lights to convey the true beauty of our coral reefs and establish an impactful campaign. I aim to incorporate a divide, separation or shift within the design to truly reflect the difference between alive and bleached coral. If anyone can provide support in textiles, wearable tech, awareness campaigns or fashion design, your input would be greatly appreciated!

What do you think?

[UpRising @ 2024.01.30](#)

A great idea Emily Such a critical issue. A few quick links, reach out to Sara Cole, at <https://urbanmoments.org> . She is based near the Great Barrier Reef.

Don't forget to check the amazing library of circle economy materials that the legendary Liam Gibson has put together. Click on UpRising's Shop Tab for more information or just jump straight in, <https://www.uprisingdesigners.org/shop>

The Australian Circle Hub is also an amazing place to connect with people working in that industry, Chelsea would be more than happy to help you out, <https://acehub.org.au/>

Great project, hope this helps.

[NJ Kelton @ 2024.02.09 5:27 AM](#) [Edit](#) or [Delete](#)

what a fabulous concept. Have you considered using textiles that have been recycled and need a new home into the design. <https://texrecaus.com/>

You could also link to the Upparel project <https://upparel.com.au/>

you could also tie this to one of the Great Barrier Reef foundations where a percentage of the design could be donated back to help the coral reefs.

<https://www.barrierreef.org/what-we-do/projects>

I look forward to hearing more

Lydiajiang @ 2024.03.21 5:27 AM [Edit](#) or [Delete](#)

Hi Emily You got a great concept! I love it.

Maybe you can try to dye the fabric with gradient colour, such as from blue to white, which represents the gradual bleaching of a coral

Hope this helps.

emily0401 @ 2024.03.26 5:27 AM [Edit](#) or [Delete](#)

Hi NJ Kelton,

Thank you so much for your insight and ideas. I will definitely look into taking on your feedback and incorporating recycled materials into my design. This would be a great addition as textile waste is a leading contributor to climate and therefore a contributor to the destruction and bleaching of the world's coral reefs.

How would you suggest I tie this into the Great Barrier Reef Foundation?

emily0401 @ 2024.03.26 5:27 AM [Edit](#) or [Delete](#)

Hi Lydia, your comment and feedback have inspired me to incorporate dyeing fabric to create a more significant and impactful gradient. Thank you for your suggestion!

emily0401 @ 2024.03.26 5:27 AM [Edit](#) or [Delete](#)

Hi uprising, I am wondering if anyone would have any insight or suggestions with the use of wearable tech in particular optic fibre within a textile garment.

NJ Kelton @ 2024.04.02 5:21 AM [Edit](#) or [Delete](#)

I think you need to tie in the recycled materials in to the overarching 'sustainability' aspect of the project

UpRising @ 2024.04.04 5:21 AM [Edit](#) or [Delete](#)

Good evening Emily.

Great to see all of your replies to your comments. Hope you are enjoying being part of this years' UpRising. Sending out a little UpRising news update. \$ SEED FUNDING \$

Day 12 of the People's Choice Seed Funding and things are heating up. Check out the running tally.

- Reminder of the conditions - Duration:- **Sunday, March 24th, 9am to Sunday 7th April 9 pm**. All previous likes will not be included. The **Final tally counted at 9pm Sunday night 7th April**.
- \$500 for the highest number of likes, \$300 for second highest likes, \$200 for third highest likes. Proudly supported by [Southern Cross University](#)

FUTURES NOW # [Click here for your Ticket.](#)

When:- Friday 19th April 10 am - 1.30 pm. (Arrive at 9:40 for a 10am start)

Where:- Hassell [Sydney Studio](#) Level 2, Pier 8/9, 23 Hickson Rd, Millers Point NSW 2000 [Map](#)

Why:- Gain firsthand insights into the industries of Design, Industrial Design, and Architecture. Explore career paths. Learn more about IP. Networking Opportunities. Get inspired / plus more

Who:- will be there (besides other HSC design students)

- [Industrial Design Exchange Sydney](#)
- [The Australian Design Council](#)
- [IP Australia](#)
- [Hassell Studio](#)
- [AILA](#)

Cost: - Free. (Morning tea & Lunch provided)

Attire:- Hassell Studios is a seriously cool professional place. Attire needs to be smart casual.

Tickets:- One ticket per person. [Click here for your Ticket.](#)

Great to see your project coming along and hope to see you at FuturesNow.

UpRising @ 2024.07.29 12:46 PM [Edit](#) or [Delete](#)

Hi there Emily, congratulations, you are nearly there, hope all is going well.

We are sending out a little request - if you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would be fantastic as it really helps us to understand how we can better help next years design students.

<https://forms.gle/XLgNBqQepAw2Go5q7>

It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

Designers Rock

MediBloom (Soilless Hospital Planter)



28 February 2024 by [mosesa](#) 33

My design, 'MediBloom', aims to provide a solution for the lack of greenery in children's hospitals using a simple hydroponic system that eliminates the need for soil, reducing bacterial and mould risks. It features interactive elements like RGB LED lights for a night lamp effect and small whiteboards for games and personal expression. Powered by a solar battery, it offers a sustainable, safe alternative to a regular battery or wired device. The included 'gift box' promotes creativity and engagement through educational activities, supporting the young users' well-being while allowing them to customize and interact with their environment.

What do you think?

Comment

[UpRising @ 2024.02.28 1:46 PM](#)

Wow ! Fantastic idea. How can we help Mosesa? What are three immediate areas that you need help with

[mosesa @ 2024.02.29 11:50 AM](#) [Edit](#) or [Delete](#)

Thank you so much for your kind comment, UpRising! The three immediate areas that I am currently trying to find a solution for include:

1. Determining how I can power the device without using cords or external power supplies, while also using a sustainable energy source. The components that need to be powered are an LED light strip and the Air pump that provides oxygen to the water. I'm currently looking at solar cells and how I can connect them to electrical components - I will need to contact someone with electrical expertise.
2. Determining how I can make the lampshade adjustable so it can slide down the pole to cater for different plant heights. I was thinking of drilling holes into the lampstand and using a small rod to place through both the clamp of the lampshade and the lampstand. Another option I was thinking of is using a clamp system. However, these need to be experimented with.
3. Determining how I can reduce the costs of the product to ensure that the market can purchase it for a low price. Many external resources, such as the air pump and filter, the growing medium, the nutrients, and the LED lights, create an additional cost that greatly impacts the final price of the product. Currently, I'm experimenting with melting and fusing bottle caps for the casing of the

design, which would reduce the cost of the acrylic material that I was originally going to use for the casing.

Any advice or feedback will be greatly appreciated!

Melfinger @ 2024.03.21 11:50 AM [Edit](#) or [Delete](#)

Hi Momesa, What an interesting idea! We love the way you have really thought about the components and powering of the planter.

It seems quite small - there may be benefit in making it larger (particularly for the whiteboard component).

We like the way you have combined drawing elements and it gives us a good idea of the finished product. Down the track it would be good to experiment with Revit.

Kind regards

Melanie (Fashion) and Isla (Landscape Architecture)

Hope @ 2024.03.28 3:40 PM [Edit](#) or [Delete](#)

Hi Mosesa,

I love the idea of bringing greenery in doors to help lighten up the place. For a sick child I'm sure that would make a lot of difference.

I do have a few thoughts about your current design that I'd be happy to share. While hydroponics are really cool and would be interesting for the kids to interact with, its excessive for a single plant. Each plant would require its very own UV lamp, pump, plumbing setup not to mention power source. Imagine if you wanted several plants in your room, you would have cords running everywhere!

Have you considered a single hydroponics station that you can add several plants to? Something that you could easily remove a plant from and put back when you are done. That way you could have a single spot with potentially a dozen pots that slip in and out, sharing the single lamp, pump, and power cord. It would be much cheaper and efficient.

I'm sure a part of the decision to keep it as a singular plant was to make it easy to pick up and draw on for your great whiteboard coating idea. However, could you imagine someone who is sick and weak trying to hold that so they can draw on it while bed-bound? You would have the weight of the lamp, pump and water storage making it really hard for them to hold with one hand so they can draw on it. Having removable pots with that coating would make it much lighter and easier for them to handle.

Keep at it! I'm sure you will be able to bring this idea to an actual product!

P.S. I saw your comment about using solar power. If you have sunlight, then you won't need the lamp! This would greatly reduce the power required.

UpRising @ 2024.04.04 3:40 PM [Edit](#) or [Delete](#)

Good evening Mosesa.

Great update on your project image. Hope you are getting a lot of being part of this years'

UpRising @ 2024.07.29 2:01

Hi there Mosea, hope all is well. Congratulations you are nearly there.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would be fantastic as it really helps us to understand how we can better help next years design students.

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It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

UpRising @ 2024.08.25 11:59 AM [Edit](#) or [Delete](#)

Congratulations your project is looking fantastic Mosea.

Make use you include some of this feedback in your evaluations.

Nurturing Imaginative Minds - Childhood Development & Learning Centre



9 May 2024 by **birdt** 16

Navigating the unique idiosyncrasies of children with neurodiverse needs are known to provide challenges and hardships for caregivers and families due to increased needs and a lack of support accessible in Australia. For my project, I aim to design a learning environment that focuses on stimulating imaginative play for neurodivergent children to develop their fine motor, cognitive, language and social skills. My target market is families of neurodivergent children aged

between 3-6 who seek affordable and effective interventions to improve the quality of life of their unique minds by promoting healthy and happy futures for all children.

[UpRising @ 2024.05.11 8:47 AM](#) [Edit](#) or [Delete](#)

A fantastic concept BirdT. How can we help?. If you can provide two or three things that are of high priority for you, we will be able to assist you in the develop of your project better.

Looking forward to seeing your project evolve.

[Matt @ Equal Experts @ 2024.05.22 7:45 AM](#) [Edit](#) or [Delete](#)

Great concept, as someone who was diagnosed as Neurodivergent at the age of 9 these initiatives would have been a great aid in my schooling experience! Let me know if i can help at all, I was diagnosed ADHD and struggled significantly in the traditional primary schooling system. Only once i reached senior school and could align my subject choices to my strengths did i find a true love for learning.

My mother is also a qualified special needs practitioner/assessor for primary aged children, if you would like to run any of your thoughts by her, i would be happy to connect you for some industry feedback.

[UpRising @ 2024.07.29 12:21 PM](#) [Edit](#) or [Delete](#)

Congratulations Birdt

You are nearly there.

If you could update the image on your Post show it shows a little collage of your projects development that would be fantastic. We will be awading the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

Feral Animal Awareness Campaign



8 May 2024 by [Savannah](#)

12

The issues with introduced species within Australia have existed since the First Settlers. I have grown up on a farm and have personally experienced these issues. I am creating a garment based on the Australian Magpie. It will be representing the native Australian animal deaths caused by introduced species. I will be making a rib cage corset to represent captivity, a bird skull mask to represent death, and a website that will inform people of these issues.

What do you think?

UpRising @ 2024.05.08 1:

WOW, a brilliant concept Savannah. Such a powerful idea. What materials are you thinking of? Would investigating indigenous languages / names help coming up with a title?

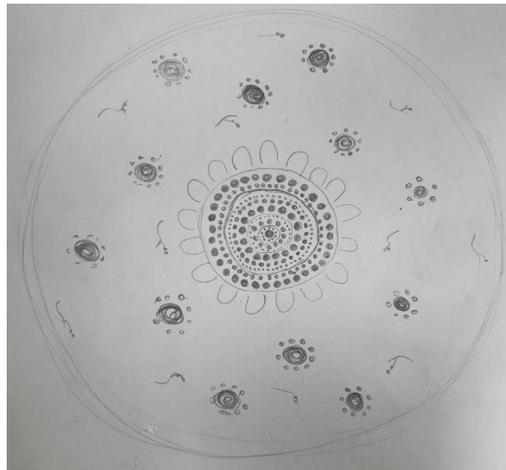
Looking forward to seeing this project come alive!

UpRising @ 2024.07.29 12:21 PM

Congratulations Savannah

You are nearly there.

Bringing culture and friends together through a ceramic platter



9 April 2024 by [Mia.gleeson1](#) 18

I am a proud Wiradjuri woman and love storytelling. The kitchen bench; the heart of the house, has become the modern place where women sit and have a chat. I would like to make a connection between my culture and my friends. This will done through a ceramic platter, displaying aboriginal art.

What do you think?

UpRising @ 2024.04.10

Brilliant idea Mia. Sharing food is the heart of many cultures.

How can we help? If you can list three things that we can help assist with in the development of your project, that would be great.

[Naomi Lam @ 2024.04.25 3:38 PM](#) [Edit](#) or [Delete](#)

I love this idea Mia and think it would work well for its purpose. Have you thought about the colours you will use and how well they would fire in the kiln? Maybe you could do some small test pieces with the colours before you try making the large platter

Can you update us with more photos when you have completed your project? I would love to see the outcome!

Naomi

ACU

[Liam Gibson @ 2024.05.03 6:16 AM](#) [Edit](#) or [Delete](#)

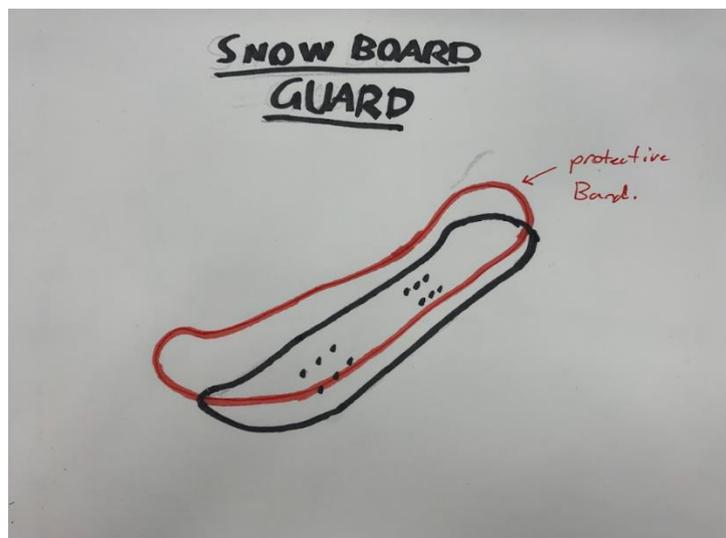
Great idea, it would be a nice connection if you could find some local natural clay from your area to use in its construction.

[UpRising @ 2024.07.29 12:29 PM](#) [Edit](#) or [Delete](#)

Congratulations Mia, you are nearly there.

[NEW 2024](#) > Snowboard Guard

Snowboard Guard



9 April 2024 by [Jack B](#) 15

I have developed a snowboard guard to protect the board from chip damage, a common, problem with snowboards. The increased durability of the steel edge, as well as added top sheet protection, this design was built with the main focus being that it was as unaffacting to the riders experience as possible, resulting in that same felling, with added protection to your board, a win win.

I have a vison for this product, hopefully expanding it to a wider range of consumer.

[UpRising @ 2024.04.10 3:12 AM](#) [Edit](#) or [Delete](#)

This sounds amazing Jack. Am I right in thinking that you have already made a prototype of the guard to protect the rails, or are you still in planning stage?

If you have built it already and tested it with snowboarders and they are saying that it doesn't affect their experiences, then congrats, that is fantastic. I feel it would also reduce land fill. Great response to the issue of life Cycle analysis .

How can we help?

[Liam Gibson @ 2024.05.03 6:21 AM](#) [Edit](#) or [Delete](#)

Nice idea, I'm always a fan of concepts that improve the life of products. Do you have any photos of your prototype?

[UpRising @ 2024.07.29 12:25 PM](#) [Edit](#) or [Delete](#)

Congratulations Jack you are nearly there.

Upcycling denim



3 April 2024 by [pandeyr](#) 25

Denim contributes to 20% of textile fashion, this is shown in a blog on Make Fashion Better. My project aims to create a garment that minimises the amount of textile waste in landfills by upcycling used denim clothing to create staple garments as a sustainable alternative for, but not limited to, teenagers and young adults. This denim is sourced through donations given for the project.

Any suggestions on marketing and communicating my product to my target market (ages 13-25) along with any other ideas would be beneficial.

What do you think?

[UpRising @ 2024.04.03](#)

A greates concept Pandeyr.

A fee quick things,

1. Can you add a link to your blog, would be great for the community to read more about your work.

2. If you were to half your target market, which group would you keep. The tighter you define your TM the more success you will have. I know this sounds counter intuitive, as you will want to reach as many people as possible, but refining down to a small precise group will give you a much stronger direction. From there you will have a strong understanding of your TM and really know their interests and concerns.

3. How will you collect the denim. If you can share some ideas around how you will be collecting from waste streams that will help us direct our responses.

Looking forward to seeing your project develop.

Belinda VM @ 2024.04.03 1:12 PM [Edit](#) or [Delete](#)

You might be interested in this link: [The Jeans Redesign \(ellenmacarthurfoundation.org\)](https://ellenmacarthurfoundation.org) and the work of young Aust. designer Eden [Australian Fashion Week 2023: The Best New Designers - Vogue Australia](#) Eden Maytal, ACU

Belinda VM @ 2024.04.03 1:12 PM [Edit](#) or [Delete](#)

This link may assist with developing a communication strategy: [The Sustainable Fashion Communication Playbook \(youtube.com\)](#) ACU

laurice @ 2024.04.04 7:38 AM [Edit](#) or [Delete](#)

This is a great concept Richa!

Considering denim production contributes majorly to water waste and carbon emissions as well... this is a really sustainable fashion alternative and is really keeping the future in mind.

I look forward to seeing this develop further!

Great work :)

Jonathon @ 2024.04.04 7:38 AM [Edit](#) or [Delete](#)

Fantastic idea Pandeyr, promoting environmental, economic and social sustainability. As far as clothing materials go, denim has a prolonged lifespan, often not taken advantage of due to fast fashion trends and individuals' sizing changes.

With your designs, the best course of action would be to research current trending fashion styles, as your target audience (Gen Z) are inclined to purchase garments that are "in vogue". These trends are usually prevalent on social media apps, including YouTube, Instagram and TikTok.

For your own marketing, I would recommend creating social media accounts with the intention of spreading your ideas and products to a large group of consumers in your target audience. Gen Z is more responsive to brands through online mediums where discussions and conversations with the company and other users are available. Furthermore, the younger generations are supportive of companies making an environmental change, something you are prioritising. In the future, partnering with influencers or celebrities can also help market your products online.

Some reports into the consumerism and marketing for Gen Z are linked below.

https://www.researchgate.net/profile/Anand-Raja-M/publication/338697411_Understanding_the_purchase_intention_characteristics_of_Gen_Y_and_Gen_Z_and_introspecting_the_modern_demand_variables_in_fashion_industry_Need_to_explore_the_demand_characteristics_Purchase_intention_/links/5e25a3fd92851c067e22727d/Understanding-the-purchase-intention-characteristics-of-Gen-Y-and-Gen-Z-and-introspecting-the-

[modern-demand-variables-in-fashion-industry-Need-to-explore-the-demand-characteristics-Purchase-intentio.pdf](#)

https://www.researchgate.net/profile/Navya-Ninan/publication/339164968_Influence_of_Social_Media_Marketing_on_the_Purchase_Intention_of_Gen_Z/links/5e422eac458515072d91aa8b/Influence-of-Social-Media-Marketing-on-the-Purchase-Intention-of-Gen-Z.pdf

Good luck with your project.

UpRising @ 2024.04.04
FUTURES NOW # [Click here for your Ticket.](#)

ticket per person. [Click here for your Ticket.](#)

Great to see your project coming along and hope to see you at FuturesNow.

pandeyr @ 2024.04.05 7:38 AM [Edit](#) or [Delete](#)

Hi UpRising,

Thank you for your feedback, the blog mentioned is purely to state where the statistic is extracted from, this is not my blog. If I were to target my target market I would shorten it to 16-25 and the denim is sourced through friends and family who have donated pairs of denim garments they don't use anymore, as a backup plan if I don't have enough I may buy used denim garments from thrift stores.

MykelBrown @ 2024.04.05 7:38 AM [Edit](#) or [Delete](#)

Hi. I definitely agree with the implementation of recyclable denim in the fashion industry. This innovative approach not only reduces waste but also promotes sustainability by utilizing recycled materials without compromising style or quality. It's a step in the right direction towards a more eco-conscious and responsible fashion ecosystem, and I commend brands and designers who are leading the way in this important movement. Great work!

UpRising @ 2024.07.29 12:27 PM

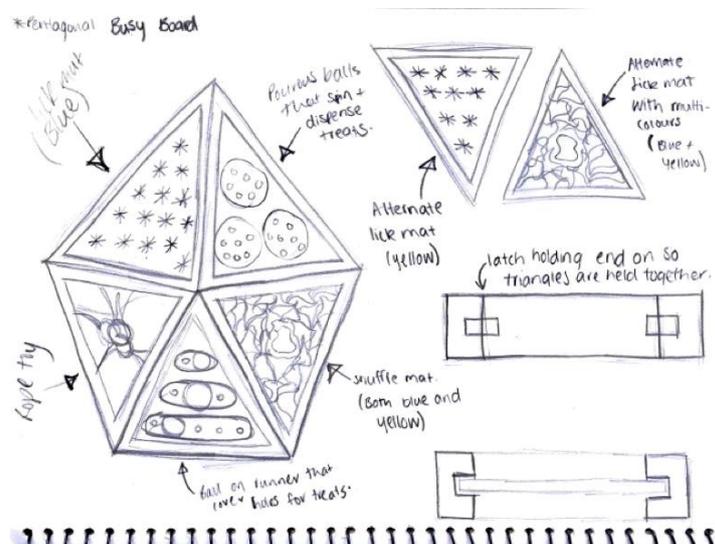
Congratulations Pandeyr you are nearly there.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

MatthewHamilton @ 2024.09.10 11:58 PM

Great idea though I often wonder why denim is still a thing in 2024 anyway. By in large, we're not cowboys or cowgirls these days. Why did/does this denim thing continue to stick around generation after generation?

Eco-friendly Busy Boards to combat destructive dog behaviour



28 March 2024 by [Ezza0506](#) 26

Some dogs struggle with destructive behaviours, caused by anxiety and boredom, having a significant impact on the dog/owner relationship. I aim to prevent destructive dog behaviours by:

- + creating a Busy Board for Dogs, combining successful dog toys in a user-friendly way
- + address environmental problems present in the dog toy market through creating an eco-friendly alternative
- + educate dog owners on the best methods in preventing unwanted behaviours.

I need help with sourcing natural dyes/products, connecting with experienced designers of animal products. Silicone is used in some dog products, I need help finding an eco-friendly material that has similar properties.

What do you think?

Comment

[UpRising @ 2024.03.28](#)

A great project Ezza. You have done a great job of outlining the need for your MDP and scope for how it can develop. Brilliant!!

Check out the Shop tab back in UpRising's main page, it links to a huge range of eco-friendly materials (the circle economy) <https://www.uprisingdesigners.org/shop>

Let's go!

[Ezza0506 @ 2024.04.03 11:39 AM](#)

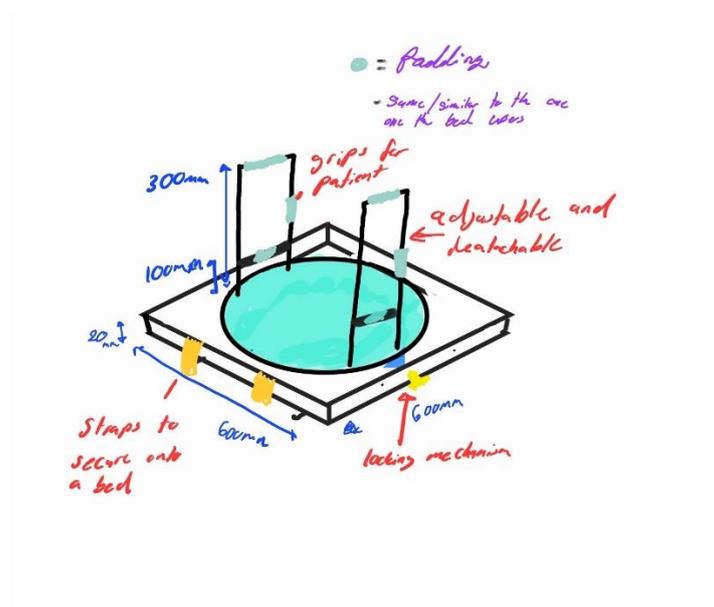
@UpRising Thank you for your idea, I will look into it!

[UpRising @ 2024.04.04 12:25](#)

Good evening Ezza.

Great to see your project coming along and hope to see you at FuturesNow.

Rotating Medical Chair/Bed Aid



24 March 2024 by [Lachlan](#) 48

In the medical industry many staff have experienced complications caused by handling of patients, specifically assisting patients, getting in and out of chairs/beds. My project aims to provide a solution that helps prevent injury on the medical staff and aid patients in medical settings whilst also helping to provide independent manoeuvrability for patients dealing with issues concerning their mobility.

What do you think?

Comment

[lachlan.kent @ 2024.03.25 3:01 AM](#)

I would love to try out this awesome project!

[Melvin Gilmore @ 2024.03.25 5:35 AM](#) [Edit](#) or [Delete](#)

My dad would enjoy this

[Daniel.W @ 2024.03.25 5:47 AM](#) [Edit](#) or [Delete](#)

This is a very intriguing project, I would love to see the final design become applicable in the medical world.

Nathandan @ 2024.03.25 5:43 AM [Edit](#) or [Delete](#)

Interesting project and i'm curious to see its applicable nature in the medical world

IdeaSpies @ 2024.03.25 9:59 AM [Edit](#) or [Delete](#)

Lachlan- you may like to visit some aged care homes as this idea could be very useful for their residents. When I last visited one they were using lifting equipment that takes up a lot of space.

UpRising @ 2024.03.26 2:21 AM [Edit](#) or [Delete](#)

A great concept Lachlan. What are three things that we can help you with? If you can specify a few tricky issues that you need assistance with we can better direct our supporters and resources to match the challenges you are facing with this project.

Looking forward to seeing the project develop.

Daniel.f @ 2024.03.31 4:38 AM [Edit](#) or [Delete](#)

Hi Lachlan, this is a very interesting and potentially innovative concept that could increase the happiness of elderly/injured people worldwide. I do have some questions about the stated concept that could be beneficial in the progression of your design.

Firstly defining what kinds of injury's/ illnesses and or age groups the design is aimed at, It is clear no single design will adhere to every persons need/wants, but it is important to further define the limitations of the prototype in order to improve it.

A real life example of where a limitation could be identified could be in elderly people, as you age parts of your body weakens and you may start to loose a sense of balance, how would the rotating part of the prototype benefit to people with balancing issues.

I can see you have created a human centered design which is awesome but further defining limitations of the stated design can only improve your quality of ideas.

I'm interested to see how the design has changed after a few months of tweaking, good luck and have fun with it (:

em_mc02 @ 2024.04.04 4:29 AM [Edit](#) or [Delete](#)

Hi Lachlan,

This is an interesting idea, as I myself have worked in aged care and have relations which have been injured in these particular scenarios.

I have looked into the current lifting hoists used in aged cares globally
- <https://www.aidacare.com.au/products/manual-handling-transfer/lifters-patient-hoists>

These hoist assist greatly into lifting patients safely out of bed and don't require much assistance from the nurses to lift.

I see your idea has a rotating platform which would allow the patient, once seated to swivel around and lay down? From this aspect, I am unsure of how the patient may get into bed from this seat as their legs would be dangling, which would mean the nurse would have to lift them to get onto the bed. I know for the elderly this can be quite difficult as they are not strong and are quite frail.

- A design change for this could be a leg rest which folds up from the side, so once the patient has turned, the leg support could fold up under their legs.

- Additionally, a back rest would have to be installed between the two handles incase of the patient falling back when turning on the platform.

As for securing the mechanism to the bed, straps may not be sufficient to secure it and the bed frame may give way if a large patient uses the mechanism. The guidelines for this can be found in **AS/NZ ISO 10535-2011** Australian standards and as you are dealing with aged patients, there are a range of compliances in which the product must meet.

- As the handrails are removeable, their is potential for them to fail/ release which would allow for the patient to fall out, becoming an additional hazard.

Overall, I think you are on the right track, but there may need to be some tweaks to comply with the standards and ensure the product does what it is intended for without being a hazard.

Great Job!

[UpRising @ 2024.04.04 12:26 PM](#) [Edit](#) or [Delete](#)

Good evening Lachlan.

Great to see your project coming along and hope to see you at FuturesNow.

Safer Wheelchair Braking



22 March 2024 by **Sarah A**

51

NEW 2024

74% of people who use wheelchairs daily express difficulty braking. My grandparents have had significant difficulties controlling their wheelchair on even modest slopes. My project aim is to

deliver safer braking for a common wheelchair model using readily available and easy to fit components. I am inspired by the effectiveness of modern bicycle brakes.

What do you think?

Comment

[UpRising @ 2024.03.23 2:50 AM](#) [Edit](#) or [Delete](#)

A fantastic idea Sara.

How can we help? Can you list two or three things that you need some assistance with? Looking forward to seeing this project develop.

[UpRising @ 2024.03.24 5:32 AM](#) [Edit](#) or [Delete](#)

A few extra ideas that you could look into,

1. **Enhanced Wheelchair Tiedown and Restraint Systems:**
 - **Independence:** Design systems that wheelchair users can operate independently.
 - **Universal Compatibility:** Create adaptable systems compatible with various wheelchair types.
2. **User-Friendly Brake Mechanisms:**
 - Focus on making braking mechanisms more intuitive and user-friendly:
 - [Push-to-Lock Brakes: Consider using push-to-lock brakes, which are simple yet effective!](#)
 - **Visual Indicators:** Add clear visual indicators to show when the brakes are engaged or disengaged.
 - **Ergonomic Design:** Ensure the brake handles are comfortable and easy to grip.

Hope these help

[Iachlan.kent @ 2024.03.25 3:03 AM](#) [Edit](#) or [Delete](#)

Are they hydraulic brakes?

[tfjh @ 2024.03.27 1:21 AM](#) [Edit](#) or [Delete](#)

I think orientation and direction of operation would be worth investigating.

If the lever is actuating forwards, facing the seat, the occupant can operate it using their palm and large motor movements instead of relying on grip strength.

This also has the added advantage of when under heavy braking the force of the user mass will move forward and contribute to the braking force applied to the handle.

Would it be possible to have a two-position lever, where position one is smooth movement and position two is self-latching for when the user needs the chair to remain stationary?

[MattBird96 @ 2024.04.01 9:56 AM](#) [Edit](#) or [Delete](#)

Great idea Sarah, anything that can improve the safety of users who may already have injuries or disabilities is fantastic!

Staying in tune with the bicycle idea, have you considered a 'gearing' system (sort of like a manual gearbox in a car or truck) that helps to control descents without friction on the disc brakes? This could be a benefit ergonomically and reduce long periods of having to hold the brakes in.

[JeremyA @ 2024.04.03 9:13 AM](#) [Edit](#) or [Delete](#)

Hi Sarah I think this is a great idea and have a few notes I hope you find constructive.

- As others have mentioned making a system that can be adapted to existing wheelchairs would be great.
- As well as disk brakes you could consider cantilever or v brakes if these prove easier to mount
- As a lot of the users of may be frail or not have full use of their hands, consider the most ergonomic way to mount the brake control that also gives the user enough leverage that pulling in the lever is not too hard
- Making the brakes work independently, (left and right wheels) may become dangerous if they apply different pressures, may cause the wheelchair to turn

Matthew @ 2024.04.04 11:50 AM [Edit](#) or [Delete](#)

Awesome idea Sara, improving safety and the wellbeing of wheelchair users. Wheelchair breaks are very important when on inclines, in a moving vehicle and during transfers of people getting in and out of the wheelchair. I have a couple of suggestions which I hope you find beneficial to your design.

1. Implementing a seatbelt or safety restrain on the seat.

- Having a restraint on the seat will help to further improve the safe use of the brakes by stopping people from being launched forwards when brakes are applied suddenly.

- The restraint will also be useful as a contingency when on inclines and vehicles.

2. Focusing on user friendly brakes. Such as:

- A cost effective braking mechanism.

- A braking mechanism that is easy to use. This will promote social sustainability and be beneficial if brakes are needed in an emergency situation.

UpRising @ 2024.04.04 12:27 PM [Edit](#) or [Delete](#)

Good evening Sarah.

Sending out a little UpRising news update.

Josh.1212 @ 2024.04.04 1:01 PM [Edit](#) or [Delete](#)

Hi Sarah, I think you've had a great idea here.

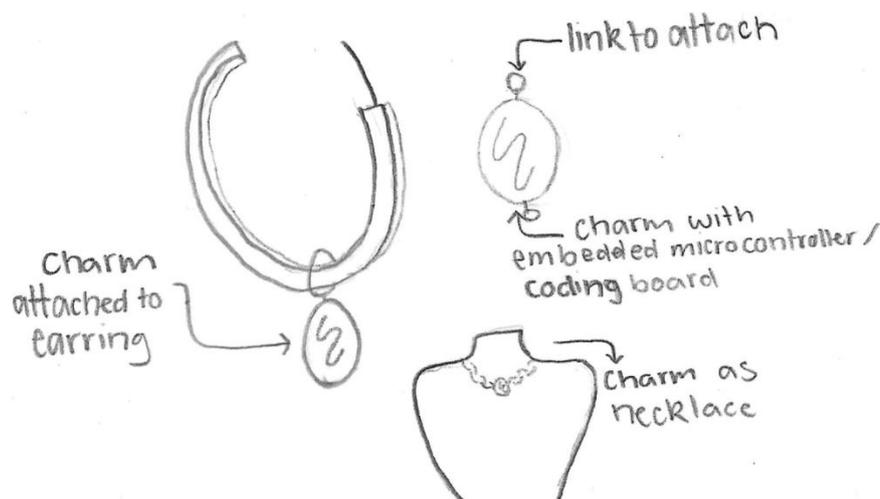
Potentially a bit of food for thought, continuing on with the comment of using gearing to help slow the user and chair down, I wonder if some sort of fail-safe centrifugal brake could be made to suit the application in case the user is unable to operate the brakes at the time, limiting the speed of the chair. I believe that some fishing rod baitcasting reels have either a magnetic or centrifugal brake drag system which might be applicable.

Steven @ 2024.04.04 6:38 PM [Edit](#) or [Delete](#)

Hey, Sarah! o/ Your intuition and creativity in enhancing wheelchair safety through improved braking are both awesome and commendable, especially given the number of users who

experience difficulty with braking on slopes, as you've noted. You know drawing inspiration from modern bicycle brakes is quite smart, as that can be pretty efficient and user-friendly at times. I guess the key consideration here is ensuring that the components are easy to install while also not adding significant weight or complexity to the wheelchair, which requires careful balancing. Considering how everyone's strength and coordination can vary significantly. Therefore, a suggestion would be to design the brake system in such a way that it's easily usable by everyone. Other than those points, I think you've made a really good design and contribution to this area. Good luck in your future project endeavors Sarah!

Wearables for Women's Safety



18 March 2024 by [Zahli](#) 27

NEW 2024

Over half of all women in Australia feel unsafe when alone, especially at night. Through my MDP I aim to create a discrete, wearable, silent alert system to help women feel more secure, working to improve their overall wellbeing. My initial idea is to create a wearable piece of jewellery that can communicate or send a location to an external device, so I'm looking for support in technology and coding.

What do you think?

Comment

[UpRising @ 2024.03.20 11:22 AM](#) [Edit](#) or [Delete](#)

A great idea Zahli.

Would an alert be sent if the person wearing brushed a button or if their bracelet was broken. If you can give some more details on how the alarm would be activated, supporter will get a clearer picture of how they help.

What already exists that is on the market, maybe a matter of tapping into some of this technology and modifying to better suit your design brief.

Love the idea. Looking forward to seeing come to life.

[Benjamin.davis @ 2024.03.21 2:08 PM](#) [Edit](#) or [Delete](#)

unique concept with the necklace. Just a little unsure how large the charm of the necklace will be as the microcontroller as well as the battery would take up a lot of space as well as being heavy. maybe consider a kinetic switch that will allow the microcontroller to be activated very briefly allowing it to be smaller and lighter while still functioning. overall a unique concept, don't give up on it and continue to build on it because it has potential.

[morganctei @ 2024.03.23 6:47 AM](#) [Edit](#) or [Delete](#)

Hi Zahli!

I like that the idea is jewellery - I think that this could help destigmatise the discussion of violence against women or fear against speaking out by making a safety device something that is beautiful and fun to wear. I feel like an important consideration is justifying why we would need a wearable when a lot of people use location tracking on their phone - maybe just clarifying that it is for sending alerts when the woman's phone has been stolen or when she feels unsafe to use it.

[IdeaSpies @ 2024.03.25 10:19 AM](#) [Edit](#) or [Delete](#)

Zahli- with an ageing population this idea is increasingly important. The best app I have seen that gives your location is called Emergency Plus. It gives location in 3 words. I installed it in my phone after I was walking on the outskirts of a park with a friend and she collapsed. Fortunately she recovered and, if that happens again, I can locate us much more quickly. It would be great if you could design a way to use an app like this in jewellery.

[Rick @ 2024.03.31 3:18 PM](#) [Edit](#) or [Delete](#)

Hi Zahli,

Great idea, I like the versatility of choosing how to wear it, whether it be by earring or by necklace, or maybe some other means. I believe that technology is quickly advancing and I do not think you will struggle to find a small battery and microcontroller that would do the job. Similar arrangements are in place as I'm sure you're aware with duress systems, this being discreet I believe is an important design factor that goes above and beyond the typical duress system.

I think something important to consider is the security of the signal that is sent and how it is sent, whether or not it will be affected by a lack of signal, and how it would send a message, whether through internal systems or through being linked to a phone, which people do not always carry. It would be useful to incorporate a touch or gesture to initiate a message, however there needs to be precautions in place so as to not accidentally trigger it.

Again, great idea, I hope to see it come to life.

[UpRising @ 2024.04.04 12:29 PM](#) [Edit](#) or [Delete](#)

[holliehutton @ 2024.04.05 2:58 PM](#) [Edit](#) or [Delete](#)

Hi Zahli, I understand the context and root causes of the problem of women feeling unsafe when alone. What specific factors contribute to this feeling of insecurity, and therefore how can your technology effectively address these concerns without creating additional risks or vulnerabilities. I like your primary goal of the alert system and that it's to enhance the safety and security of women. Hence, the reliability of the technology is vital. How can your design ensure that the device will work effectively in emergency situations? What fail-safes can be built into the design to prevent false alarms or malfunctions? Since the device is intended to be worn as a piece of jewellery, it's crucial to prioritise discreetness and wearability in the design. How can the device be made small, lightweight, and aesthetically pleasing to encourage users to wear it regularly? I recommend seeking partnerships with experts in wearable technology, safety, and coding to ensure the effectiveness and reliability of the alert system. Collaborating with professionals in these fields can help identify innovative solutions and ensure the device meets industry standards. I also think involving the target community of women in the design process to ensure

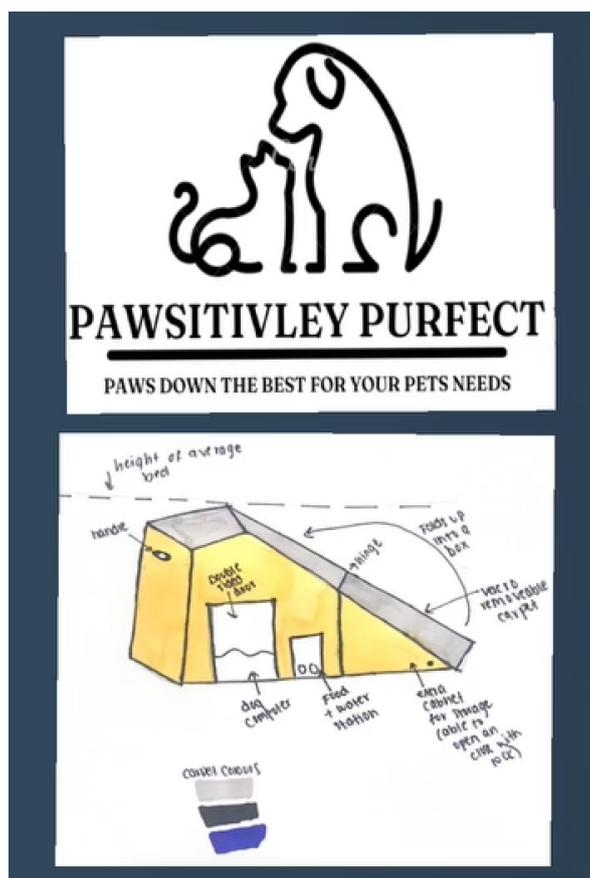
their voices are heard will be important for gaining insights. I think for marketing your product you could reach out to social media influencers to not only help demonstrate how your product works, but also in selling it to your target audience. I believe with seeking out these experts for your design it could be successful.

[Matthew @ 2024.04.11 5:05 AM](#) [Edit](#) or [Delete](#)

A great idea Zahli.

A great concept to allow women to look fashionable whilst feeling safe. With current technology advancing it is also a reasonable design concept to have the alert system implemented into a necklace or other jewellery. My only concern would be the overall security of the signal being sent to an external device. The appropriate coding would need to be implemented to insure that hackers or scammers can not find their way into receiving the location of the person wearing the jewellery.

Comfort and longevity for furry friend



18 March 2024 by [talía mano](#) 130

A multifunctional pet recovery station

Watching a dog with mobility issues is heartbreaking. Or seeing a dog too small to get up onto your bed or couch. My goal is to build a simple, adjustable ramp to reduce the struggles your pet faces and reduce joint pain. Combined with storage for toys, food and water station and a bed for comfort, I have your furry friend covered. Bonus pet cam to check on your bestie linked to a mobile app to chat to pet owners, find meetups, sitters and promotions. Looking for app developers to build the app and promote

Comment

UpRising @ 2024.03.18 5:23 AM [Edit](#) or [Delete](#)

Great idea Talia.

So many possibilities here. The bedside option is really clever. If it is easy to move you could also use it help pets get into the back of a car esp if the owner has trouble lifting their pet. You don't need a web / app developer. Try this, <https://www.glideapps.com/>

Looking forward to seeing this important project come to life.

Pets are serious companions to their owners.

elke @ 2024.03.21 2:04 PM [Edit](#) or [Delete](#)

I think the mobile app is such a good idea for pet owners and could become a really powerful platform. Having a feature for finding local pet sitters is such a cool idea and you could even look into creating a chatroom for pet owners to post their tips and advice for owning a pet, similar to a pet facebook!

Amelia @ 2024.03.23 1:22 PM [Edit](#) or [Delete](#)

Hi Talia,

What a wonderful idea! You've identified the key problems and pain points experienced by the user, which is the first step in designing a practical product that the user will find useful. You've done a great job labelling the different parts and features of your design, and I can see you've really thought through the process on how a dog will use the product. You could add to your design by creating another drawing where the dog is using the ramp, to clearly show how the product can be used, and adding some arrows would be useful to show the process! Great work overall! :)

Regards,

Amelia

Industrial Design Student at QUT (Graduating 2025)

Haim Mano @ 2024.03.28 4:23 AM [Edit](#) or [Delete](#)

Fantastic idea Talia

Moshe Mano @ 2024.03.28 12:36 PM [Edit](#) or [Delete](#)

Wow! What an amazing idea! So proud of you Talia! Looking forward to seeing the items when they are ready!!!

Vicky Mano @ 2024.03.28 12:40 PM [Edit](#) or [Delete](#)

Talia!!!! This is an absolutely fantastic idea ! Very good mindset for our loved small furry friends!!!

Maria Mav @ 2024.03.28 7:40 PM [Edit](#) or [Delete](#)

Great concept and well thought out options. Definitely worth exploring further.

Pets are part of the family so this will be well received by pet owners

Stacey Morava @ 2024.03.29 1:45 AM [Edit](#) or [Delete](#)

What a fabulous idea and would love to see this on the market. Pets are a member of the family

and anything to assist their aging and fragile joints is a fabulous idea. Well thought out design with so many functionalities. Best of luck

[sylvia_argirellis@yahoo.com.au @ 2024.04.01 2:22 PM](#) [Edit](#) or [Delete](#)

Hi Talia

Love this idea Dogs should feel equal even if they have an issue and this would be the right product to help them through it!

Good luck with it Talia

Sylvia x

[UpRising @ 2024.04.04 12:31 PM](#)

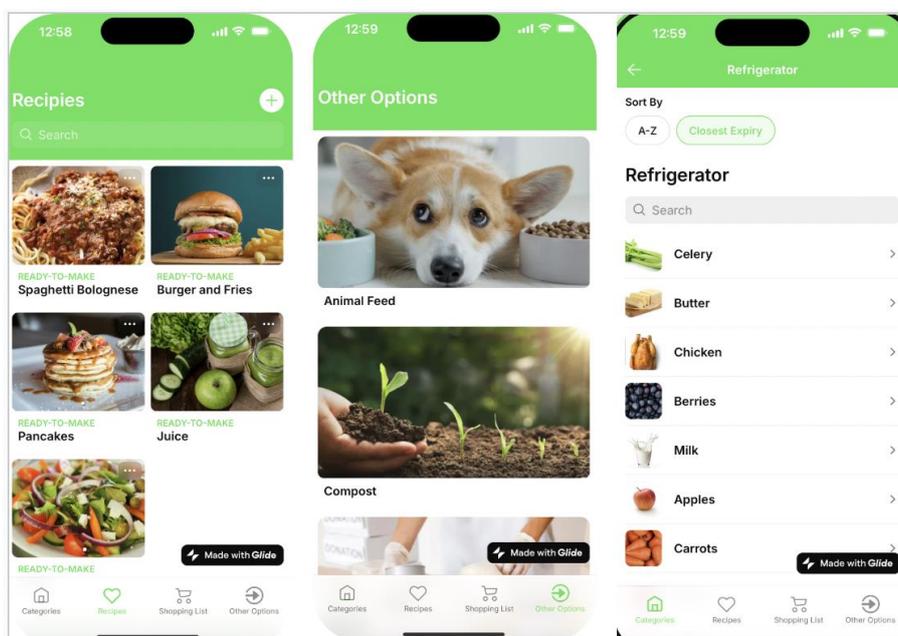
Good evening Talia.

Sending out a little UpRising news update.

[Kostjan @ 2024.04.04 1:14 PM](#)

This would be perfect for our dog who has surgery on his leg and couldn't jump up or down to the couch. What a fabulous idea and I wish you all the success in the world. If this hits the market it will be a sell out.

Waste Less and Save More





15 March 2024 by [Sienaby](#) 53

Among excessive food waste, overconsumption, inflation, chaotic lives and not knowing what to cook there is a need for an application where users can log products in the fridge. All members of the household will have access to check existing items in the fridge. They will be sent reminders of food reaching its expiry date and be provided with recipe ideas according to the existing ingredients and produce. This will ensure all ingredients are maximised, provide meal ideas and save families money. I must familiarise myself with coding and find a way for the app to sync to different devices.

What do you think?

Comment

[UpRising @ 2024.03.15](#)

Hi there Sienaby. This sounds like a fantastic idea. Food wastage is a huge issue that contributes vast amounts of greenhouse gases. Wasting family income on over spending on produce that ends up in land fill, needs a solution like yours.

Have you heard of Glide Apps. It's amazing, allows you to build fully functional apps that you can test on TM and get live data coming back to you.

Hope this helps. Looking forward to seeing your project up and running.

[UpRising @ 2024.03.15](#)

Also possibly useful

<http://www.fightfoodwastecrc.com.au>

Regards,

em_mc02 @ 2024.04.01 6:35

Hi Sienvb,

This idea is interesting as I also find myself not knowing what to cook or throwing out food items after not having a plan for them. It upsets me to throw away food that is off when only a few days before it was fresh.

Here are a few ideas which came to mind in terms of app functionality:

- To make logging food easier, you try and integrate a receipt scanner/ logging feature. So, after you have purchased a range of food from the grocery store you can use the app to scan your receipt, which then logs all your food items instead of going through them one by one.

If this is an option, to possibly partner with large supermarkets and have this idea integrated into their apps, as they sometimes have a feature which already logs purchases. This may be necessary as scanning of a receipt may be hard to code into the app.

- To broaden recipes, logging food in the pantry may be helpful. As food in the pantry have a longer shelf life, they are still subjected to expiring and this addition will help to combat extra food expiring.

- Logging of potential expired food, which wasn't able to be eaten in the time frame could assist the further monitoring of food waste & consumption. The app could use AI to monitor food product consumption and wastage (and liked recipes) to produce future suggestions to meal plans which cater to the interests of the individual/ couple/ family. This would save the users money as they would be buying exactly what is needed. Additionally to this, it would track expenditure, to show the user their savings in the long run, encouraging more app usage/ subscription purchases.

Great job again!

Circular Economy Pioneers Australia - Chelsea McLean

This is a brilliant idea well done! Be sure to check out OzHarvest for their fight food waste campaign and tactics: [Use It Up | Save food, save money, save the planet! \(ozharvest.org\)](https://ozharvest.org)

Robbie J @ 2024.04.02 2

This is such an important idea that I would access and utilise every day. We waste far too much food every week by forgetting what's already in the fridge, quite apart from the money our household would save . Five stars for this .

Jonathon @ 2024.04.04 1

Sienvb, this is a very intriguing idea, with various positive outcomes for individuals and households.

To further elaborate the uses for the application, you could add a shopping list section into the application, where users input their desired quantities of each food to keep in the house. Once the stock at the house is below the desired amount, the item could be added to the shopping list. This would increase the efficiency of the app, attracting more users.

Another potential component to explore would be kilojoule contents and health ratings of different foods. As you mentioned in your post, overconsumption is a household problem affecting a wide variety of people. If possible, an implementation of nutritional information in the app could promote healthier eating habits for potential users.

Attached below is a link to a study on household food waste. The main issue for consumers leading to wastage was linked to purchasing too much food when shopping. I would recommend investigating this component of the problem for further applications to your design.

<https://onlinelibrary.wiley.com/doi/full/10.1111/ijcs.12527>

Great work on this project!

UpRising @ 2024.04.04

Good evening Sienabv.

Great to see your project coming along and hope to see you at FuturesNow.

Sienabv @ 2024.04.04 2:35 PM [Edit](#) or [Delete](#)

Thank you to everyone who has left a comment. They have all been taken into deep consideration and have significantly helped the research and designing of my application!

I am looking forward to posting updates.

EthanD @ 2024.04.05 4:

Hey Siennabv, My name is Ethan and I'm also a hsc design and tech student, I am doing an extremely similar concept to the point where people may think we copied each other! My app's premise is virtually the same as tracking food in the fridge/pantry. Although where our apps vary is in the physical logging of the products, it was mentioned in one of the comments as well as a suggestion for you, but I am using an image recognition API to scan receipts and that is how the food is logged/stored into a database. Reach out to me if you have any questions or need some help cause we are essentially doing a very similar if not the same idea, I'm happy to share ideas, research and solutions! Ethan

Matthew J @ 2024.04.05 11:33 AM [Edit](#) or [Delete](#)

Hi Sienabv,

This is a very important idea as an Australian household spends an average of \$2500 a year on food that is wasted.

like others have mentioned, the possibility of partnering with large supermarkets and integrating your idea into their apps would make it much easier to log products you have purchased, especially if the app records digital receipts.

I have also seen the mention of AI image recognition to scan receipts which is a great idea, however, another suggestion I would like to make is to use QR codes as most phones already have the capabilities to scan them, though it would require most supermarkets to include a QR code on the receipt which will be challenging.

When it comes to syncing across multiple devices, the best option would be to link the users data to an account which would be stored in a cloud server and can be accessed from any device using the same account.

Best of luck.

KaiTM @ 2024.04.05 1:26

Hello Sienaby,

A food inventory application sounds like awesome solution to reduce food waste and live more sustainably. As you wish for the data to be synced with other devices, you need to consider data security and privacy. I recommend do research on regulatory bodies regarding data security and privacy. For example, Australia's privacy principles can be found at the link below:

<https://www.oaic.gov.au/privacy/australian-privacy-principles/read-the-australian-privacy-principles>

To store the data, you could either use data server or cloud-base service such as Google Drive, Dropbox, or iCloud. Using an API, you could call and sync the data from the database. You could also use an API to search for recipes such as Edamam API, Spoonacular API, Yummly API.

I will be excited to see where take your idea.

Kind regards,
Kai Mitchell

UpRising @ 2024.07.29 12:32 PM [Edit](#) or [Delete](#)

Congratulations Siena you are nearly there.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would fantastic as it really helps us to understand how we can better help next years design students.

<https://forms.gle/XLgNBqQepAw2Go5q7>

It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

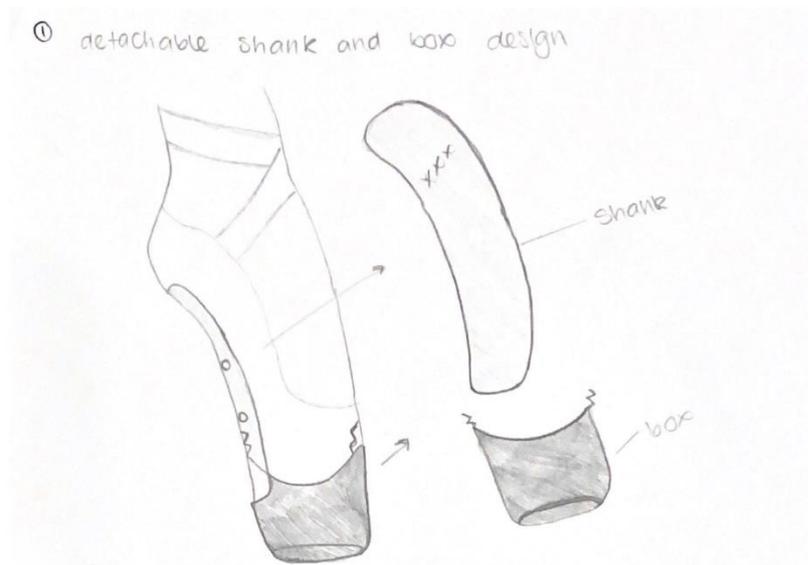
UpRising @ 2024.08.23

Great to see the latest update of your project Sienabv. It is looking fantastic.

Good luck with final handin. I'm sure you will smash it.

I see the comment from EthanD in your thread. UpRising is very interested in collaboration and we would like to invite you both to a creative industry event coming up in November (yes after those nasty exams). We would love to know if you both are interested in attending?

Sustainable pointe shoes



12 March 2024 by **Emma N** 24

NEW 2024

My project aims to revolutionise dance footwear by creating a sustainable pointe shoe that addresses the wastefulness and short lifespan associated with traditional models. Through innovative design, incorporating 3D printed elements and a modular/detachable box and shank, I seek to offer dancers a customisable and durable option. The focus is not only on sustainability but also on ensuring the shoes are comfortable and functional, akin to traditional counterparts. I am looking for some help in what type of materials I could use.

What do you think?

Comment

UpRising @ 2024.03.12

A great idea Emma. Very clever. Have you had a look at the 'Shop' button back over in UpRising's main page. So many amazing Circle economy materials to check out.

<https://www.uprisingdesigners.org/shop>

Looking forward to seeing this project up and running.

morganctei @ 2024.03.23

Hi Emma!

I love this!! This idea reminds me of a brand called Pashion Footwear started by Haley Pavone - she makes high heels that detach and can be customised. Maybe you could look to her for some inspiration or ideas! But I think it's awesome how unique this idea is and the focus on using sustainable materials. Perhaps you could look at using material recycled from thrown out traditional pointe shoes?

Circular Economy Pioneers Australia - Chelsea McLean PM

Hi Emma, what a terrific idea! There are a few circular materials libraries around that might be of use. Check out this great local one: <https://circularmateriallibrary.org/> Feel free to use their website contact form to reach out to Liam Gibson and his team for ideas! Warm regards, Chelsea McLean, Circular Economy Pioneers

UpRising @ 2024.04.04 12

UpRising @ 2024.07.29 1

Hi there Emma, hope all is well. Congratulations you are nearly there.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would be fantastic as it really helps us to understand how we can better help next years design students.

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Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

Up-cycling



26 February 2024 by **Ava rose**

38

My idea for my major work stems from my big passion for fashion and sustainability. Through research and my own experience in sewing garments, there are often too many leftover offcuts of odd sizes that would either end up in a pile or landfill. Therefore, my aim is to reduce waste through the concept of up-cycling by utilising leftover fabric offcuts and old garments as my main materials to create beautiful and creative wearable clothing. In my designs, I aim to focus on exploring techniques using offcuts that are different from patchwork. I would greatly appreciate any feedback.

What do you think?

Comment

UpRising @ 2024.02.27

Fantastic idea Ava

There is a massive opportunity to reduce the amount of land fill that the fashion industry contributes to.

Do you have a particular company you are working with to collect offcuts from?

And do you have a particular target market that you are aiming to design for?

Looking forward to seeing your project take shape.

lucy1 @ 2024.03.21 2:

Great idea! There is increasing demand in the fashion industry for more sustainable and circular production processes. I would like to hear in more detail about what techniques you will be exploring with this, eg different fabric manipulations such as combining offcuts together to create

patchwork fabric pieces to cut garments from or the offcuts as patchwork/ appliqué on existing garments?

Lydiajiang @ 2024.03.21 2:

Great job Ava

I love to reuse the offcut fabric and give them a new life. This was what I did in my Grad show pieces too.

Looking forward to seeing your creative technique in your final pieces.

miriam @ 2024.04.02 7:4

The design idea is great! It focuses on using left over offcuts and scraps of material to reduce waste, which I know can be a lot as I sew garments myself. Your idea is very well based on sustainability, which is great as many consumers love sustainable products, however an idea could be focusing on the scalability of the design. For example, if some offcuts are too small to incorporate into clothing, you could turn them into hair scrunchies or head bands. Also, smaller offcuts could be turned into patch work bags, pillowcases or even blankets.

Circular Economy Pioneers Australia - Chelsea McLean @ 2024.04.02 12:11
PM [Edit](#) or [Delete](#)

Hi Ava, a brilliant idea!

There are many circular fashion experts around who you could find for tips and ideas including Katrina from A Fitting Connection <https://afittingconnection.com.au/>

and Kirsty Mate from The ReDress Hub: <https://www.facebook.com/ReDressHub/> Let me know if you'd like more connections by emailing me: chelsea@circulareconomypioneers.com.au

Warm regards, Chelsea

Hail Protector to protect a car from hail damage



9 February 2024 by **Toby Mc** 1145

NEW 2024

In 2022 QBE revealed they had over 3,000 hailstorm-related claims, with a total claims value of over \$70 million and an average cost of \$21,000 per policy. Additionally, Cars that had a low market value would be prone to being written off from hail damage alone. Therefore, I aim to create a portable, lightweight, simple solution that will help protect an individual's car from hail damage when they have no access to shelter.

Any suggestions for potential materials, portable compact storage ideas and testing would be greatly appreciated, Along with any other ideas.

What do you think?

Comment

Toby Mc @ 2024.02.10 8:52 AM [Edit](#) or [Delete](#)

I'm currently exploring HaverFord's agricultural bird netting as it offers hail protection to orchards due to the X-Weave mesh pattern and is a lightweight material. I will need to prototype and test if this material will be suitable for my design solution.

Any feedback and suggestions would be appreciated.

UpRising @ 2024.02.10 8:52 AM [Edit](#) or [Delete](#)

Great idea Toby. Can't tell you how many times I have needed one of these. Great point about how often the car is written off due to hail damage. A huge impact of land fill and material waste.

Check out the 'Shop' button back in the main UpRising site for amazing circle economy materials.

let's go!

Toby Mc @ 2024.02.10

Hi Uprising, thanks for your suggestion I had a look at the circular material library and found Econyl Regenerated Nylon interesting and potentially suitable for my design.

Uwe Terton @ 2024.02.12

Maybe the whole car could be made out of carbon fibre, that would solve the problem.

Toby Mc @ 2024.02.19 4:

Here is a link to a questionnaire that will aid in the research and development of my project. I would greatly appreciate it if you could fill it out.

Link: <https://forms.gle/Tm7cGyZ1tXTHNQW27>

NOTE* For the link you need to copy and paste the link into your search bar, as clicking the link won't take you to the form for some reason.

The Lambaster @ 2024.03.12

Hi Toby,

(I've done the questionnaire already but I thought I would submit my response here too just in case)

I don't know if you're still on this project, but here are some of my recommendations anyways.

First of all, hail falls at around 150kph on average, and so a flimsy material like any fabrics or meshes simply wouldn't be capable of holding back the sheer force these hailstones can carry. Think of it like a trampoline. The larger the surface area, the less tension there is. This causes the material to dip down further when hit with something like a hailstone and so a harder or more robust material would be required to not only withstand the hail, but also the strong winds and rainfall that typically surround this kind of event.

Secondly, predicting a hailstorm can be very difficult as they are often spontaneous, and so there is limited time or prediction to be able to set up a protector over your car. Additionally, if the hail has already started falling, it can be very dangerous to spend upwards of 2-3 minutes getting bombarded by hailstones just to put up a net.

So my advice is to either have an autonomous aspect to the project, or to have it so practical that it can be set up whenever there is a large storm, just in case hail does indeed fall. As for storage ideas, components like the poles can be split into sections (see self-assembling trekking poles) and the net / nylon / covering can be seamed. This is so that all of the parts can easily be fit together and packed away into a tight bag or casing, which can then be stored in the car boot.

Best of luck with your project 🍀

Benjamin.davis @ 2024.03.21 1:

really good design, unique approach to problem of everyday hail damage that are inflicted. Look

into the thickness and the material used for the net and how fine the mesh would have to be. How will it compact for packaging as well as how that would work within the structure. Love the design and keep up the good work.

QUTReview @ 2024.03.21 2:0

Really interesting concept, I'm unclear on this but I hail could still potentially damage the sides of the vehicle after bouncing off the ground and hitting the car. Maybe you could extend the panels downwards and provide the vehicle more protection. Similar to how in the existing solutions you show the sides of the cars have also been covered. Best of luck.

CoreyC @ 2024.03.21

A very innovative design Toby, great work!

One suggestion for you. I'd would consider looking into making the design more streamline and form-fitting to the car.
Hopefully this helps

Toby Mc @ 2024.03.25 7

Hi Lambaster,

Thank you for doing my survey and your suggestions.

Regarding your comment on the material, I have already prototyped with a mesh material and found that the mesh material that I bought for the prototype was too stretchy and couldn't hold tension when projectiles were thrown at it. So I have acquired another mesh material which is much more rigid and less stretchy and I plan to do another prototype utilising this new material on my design.

As for your comment on the setup of the hail protector, Yes I do plan to make it so practical that an individual could set it up whenever there is a large storm. Since uploading the initial design sketch above I have changed from adjustable telescopic poles to tent poles as you mentioned, as I too figured that they would be much more practical, quicker and easier for users to use and to pack down into a small carry bag, by taking the netting and rolling it up similar to a tent while either putting the tent poles inside the rolled up net, or I could provide a bag for the tent poles, similar to how tent companies package their tent poles inside the tent bag.

Toby Mc @ 2024.03.25 7:

Hi Benjamin Davis,

Thank you for your suggestions. The netting I plan on using is a very dense, fine netting which I have linked below which is definitely, dense enough to catch the damaging hailstones. When prototyping with my first mesh material it was very good at compacting down compared to other materials such as nylon and tarp, while also being much lighter, which is why I'm trying to utilise this mesh material compared to solid materials as mentioned before because then would additionally cause wind problems whereas mesh doesn't.

Here is a link to the Netting I'm currently prototyping with: <https://haverford.com.au/collections/hail-protection-netting/products/cross-weave-70gsm-hail-protection?variant=40197247959153>

This is a link to another netting design I prototyped with but found was way too stretchy to have enough tension to stop hail: <https://haverford.com.au/products/x-weave-40gsm-bird-netting?variant=40398073593969>

Toby Mc @ 2024.03.25 7:

Hi, QUTReview

Thank you for your suggestion. I have thought about that after completing my first prototype, I decided that I will add side walls roughly 1 meter down all four sides to better protect the edges of the car. From my research, I haven't found many situations where cars have been damaged from hailstones rebounding off the floor and damaging the car, but I'll keep it in mind when testing my next prototype.

Toby Mc @ 2024.03.25 7:

Hi CoreyC,

Thank you for your suggestion. I have thought about a more form-fitting design and I would like to have the poles as close to the car as possible but to make it completely "form-fitting" the process of utilising the netting would be very ineffective as there needs to be some space below for the net to rebound the hail stone. To make it completely form-fitting I would have to use foam which is very expensive and not very easy to compact down into a small bag, which is why I have come up with this design.

Monique De Martin @ 2024.03.29 9:4

Hi Toby Mc,

I really like your idea of a hail saving device, that could be in the boot for any occasion. I would certainly like one as it would save a lot of heartache, insurance and waste, so certainly worth sticking with it! If I saw this on the market, the one thing I would be concerned about is the suction cups on the front and back of the car, and if this would damage the paintwork or dent the car if there is a lot of weight or movement from high winds? This would likely depend on your mesh size and material of cups and weight of steel rods, and how much movement it gets in a storm from the design. I read your comments about a more form fitting model to protect the side windows, but with the need to keep enough distance from the car, and minimizing the use of foam. Have you considered a dome shape, like the dome shape tent that folds out pretty easily from those circles? And whether it can be attached the car or not? Could attaching to the ground be an option?

Anyways, I really wish you all the best in your ventures, and go for it!

Warm regards,

Monique

Danielle @ 2024.03.29 11:

Hi Toby, a very real problem and a useful solution! I have some questions that might help guide your design process further...

I am interested in how the device is set up/down? Is it easy enough for a short person, like myself, or an elderly person to get the mesh covering over the top of the car without help from others? How heavy would this be to lift over a car?

I understand hail storms can be quiet windy at times - do you think the suction cups mounds will hold under such wind loads? Will the mesh act as a parachute? I suggest having a read of Section 3.5 AS/NZS 1170.1-2002 (for roofs) to help you out with designing for hail loading.

I can see how you have already considered the SDG no.12 (Ensure sustainable consumption and production patterns) by developing a durable product. Have you considered recycled/recyclable materials?

Good luck with your progress!

Rick @ 2024.03.31 3:34

Hi Toby,

Great idea, it is innovative and a workable solution for those who are in hail prone areas or cannot afford insurance in the current cost of living crisis.

I like the idea of basing the frame from the wheels to start with, however as mentioned, paint damage is a concern from the poles, and suction cups, of course what we are trying to achieve here is protecting the car, so you want to minimise the chance of that happening while trying to set up.

Another factor already mentioned was the unpredictability, time to setup and the accessibility of the set up. All of which are important factors. While thinking about this idea, I remembered a CO2 activated riding vest I was looking at for my daughter. It is essentially like an emergency blow up device. I think it would be an idea to consider for the implementation of this project. The CO2 canister could blow up the support frame and spread the mesh or whatever impact medium you implement in a quick manner

You could keep it compact and folded in the car, with a CO2 canister also at the ready. When there is hail incoming, fold out the device and mount to the wheels or maybe somehow under the skirtings / front / rear bumper, and then initiate the device with a cord or similar.

Obviously there are a few more concerns with this such as volume of CO2 required, the size of the device and so on, but this may help the speed of set up factor and maintain tension for a period of time.

ChrisM91 @ 2024.04.01 5:

Hi Toby,

Without going into everyone's comments, I think this is a great idea. I also think it would benefit from some kind of drop sheets that can loosely fasten to the telescopic poles to protect the front, sides and Back of the vehicle.

I wouldn't think this would need to be as robust as the initial structure as it would mainly be ricocheting hail stones or if they were falling at an angle a lot of the energy would already have dissipated or just require slight redirecting. Having a looser sheet component would absorb and transfer the energy quite well.

em_mc02 @ 2024.04.01 8

Hi Toby,

The idea of having pop-up shelter for vehicles which don't have access to immediate shelter is a great idea and could ensure that both the customer's car is safe and the insurance companies aren't having to pay out large sums of money.

While digesting this possible solution and looking through other comments, I can see that there are some questions surrounding the materials & access issues. Below are some ideas which I have come up with while reading through:

- After a bit of research, I can see that hail does not always land directly vertical and can bounce off of surrounding items back into the car. The idea of an umbrella over the car to account for angled hail fall, would have to ensure the cover spans outward further. In the situation of an emergency, space for the 'wingspan' of the cover may not be available and could also make the product heavier due to the need for extra material.

Additionally in this case, expanding the overall coverage may not eliminate the potential bouncing of hail stones coming toward the car.

- Suction cups could have negative impact on the paint and may not always be the most reliable when it comes to emergency situations. A possible design change could have the poles connect to inside the boot/bonnet when they're open and by closing the boot/bonnet, it would hold the structure into place with the additional straps outlined in your sketch.

- Hail events may not occur as often therefore in most cases buying this product for may not be necessary. A partnership with SES (State Emergency Services) or the Fire brigade could assist in saving money for the community where the hail covers are stored and supplied at the local shelter. This could assist in the case when a hail storm is predicted and a customer can go to their local shelter and use the product and once the storm has passed, return the product.

Additionally, the current design could be altered to accommodate for the potential hazards outlined in the comments. Although, possible ideas such as having an inflatable car cover could be an option. Where the product could still be stored concisely in the boot of the car and be taken out when needed:

- An inflating machine/ Pump would come with the product or be integrated into the product like the newer inflatable beds. The pump would use the 12V cigarette lighter to turn on and inflate the product.

- More inflated padding could be accounted for around the windows of the car in respect to the glass's durability.

- Different models could be purchased for different vehicles to suit their needs (SUV, Hatch back, Sudan, Ute)

- When not inflated the cover could act as a cover to protect the car from other environment elements. This would broaden the target audience, produce more sales and give more of a reason for customers to buy the product as it caters more than a rare hail event.

Overall, this is an interesting thought and could keep a lot of people out of strife!

UpRising @ 2024.04.04 12:5

Good evening Toby.

Great work on getting back to all of your comments. You are crushing it!! Great to see you taking full advantage of being involved in being part of this years' UpRising.

Sending out a little UpRising news update.

\$ SEED FUNDING \$

Great to see your project coming along and hope to see you at FuturesNow.

Demacapa @ 2024.04.05 5:29 AM [Edit](#) or [Delete](#)

I'm interested by the concept of a portable hail protector access to secure parking is a luxury many lack. The challenge, as I see it, lies in selecting a material that balances durability against hail with the ease of a one-person setup. I guess time efficiency is important, especially for those on tight schedules. While the current rope-tied design could be time-consuming, maybe exploring additional suction cup mounts could offer a more streamlined, secure, and form-fitting solution is just an idea. Regardless, I see tremendous potential in your design taking shape.

Harley Bugeja @ 2024.04.05 10:33 AM [Edit](#) or [Delete](#)

Hi Toby,

I love the aesthetics of the design and how it prevents hail damage to all parts of the car while ensuring accessibility to the interior.

Firstly, I'm curious about how your design is intended to be stored and how long it takes to be able to set up the protector over the vehicle. Additionally, can your design be used for differently-sized vehicles?

Secondly, hail falls at a high speed, whilst varying in size. Thus, commonly used fabrics will be punctured and torn apart by the surrounding weather. I recommend a robust material to withstand these problems. However, using a stronger and higher quality material may affect the storage method used due to the textile materials being exposed to extremely harsh weather. Furthermore, the design looks stable, but the stability of the design may be affected by the combination of strong wind gusts and water affecting the suction cups.

I'm unclear on how many improvements you have made to this project, but I recommend ensuring the design is simplistic to ensure the concept can be ensured and set up quickly and easily. I would also recommend the design covers the side of the car due to smaller hail having the capacity to travel horizontally when exposed to strong wind gusts.

Best of luck.

Toby Mc @ 2024.04.05 1:

Hi Monique De Martin,

Thank you for your suggestions!

Regarding your comment about whether the suction cups would damage the paintwork on a car, from the first two prototypes that I have done, I haven't had any instances where it has damaged the paint of my car as the suction cup is rubber and plastic. Additionally, I have no concern about the suction cup denting the panels of the car, although the tent poles may be a problem for accidentally denting and scratching of paint. I have thought about putting a 3-4mm rubber sleeve over the metal ends of the fiberglass tent poles to mitigate the possibility of scratching and denting.

I have thought about your idea of the foldable beach tent, but I found from my personal experience that many people find that mechanism difficult to fold back down the beach tent which is tiny compared to the size of what I'm making. So I don't think that could be a viable option even if I split it into halves or thirds to reduce the size of one panel. Additionally, going off your idea about it connecting to the ground, I plan to make it solely connected to the car, as I'm not sure how you could attach it to solid ground like asphalt or concrete other than driving onto something that wouldn't be very time effective. Secondly, if you were parked on dirt sure you could maybe peg it into the ground but then the hail protector is only usable in very specific cases.

MykelBrown @ 2024.04.05 5:15 PM [Edit](#) or [Delete](#)

Hi. The hail shield project presents a practical and innovative solution to mitigate the damage caused by hailstorms to vehicles. Its focus on durability, ease of installation, and portability makes it a valuable addition for car owners, particularly in hail-prone areas. By addressing a real-world problem and offering a convenient protective solution, the hail shield project demonstrates a commitment to enhancing the resilience and longevity of vehicles, earning it recognition as a beneficial and worthwhile endeavor.

Matthew @ 2024.04.11 5:19 AM [Edit](#) or [Delete](#)

Awesome idea Tobey.

This is a very innovative solution to this problem. Protecting cars from hail storms can help people avoid either paying for damages or trying to go through the processes with their insurance company to cover the damages. I have a few pieces of constructive criticism to add to your project.

1. Ensure the implementation of the cover is easy for the user. By the looks of you sketch attached, it appears that the supporting poles are attached to the bonnet and boot of the car. I would recommend finding a way to support the cover without affecting the car's paint.

2. Ensuring the cover is universal for different types of cars/vehicles. If there is a way to add into your design a way of making the cover universal for all cars such as Utes, sedans, hatchbacks and 4WD etc.

3. Ensuring the cover is easy to setup. It is very hard to predict if a hailstorm is actually going to occur. Most of the time people don't know until it has already starting. Ensuring the cover is easy enough for the user to setup every time there is suspicion of a hailstorm so that they can ensure their car is safe will be very beneficial.

Matt @ Equal Experts @ 2024.05.22 7

As a value add, it would be great to integrate this product with a notificaiton from BOM when hail is likely in the region that the car is stored. You could easily put an IoT device in the product that can speak to any existing channel and notify phones when this might be needed. I have found the issue is usually only knowing its hailing once the car is hit.

Let me know if you would like to chat with any of our IoT product engineers to see how that could be brought to life for you.

UpRising @ 2024.07.29 12:3

Hey there Toby, hope all is well. Congratulations you are nearly there.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would fantastic as it really helps us to understand how we can better help next years design students.

<https://forms.gle/XLgNBqQepAw2Go5q7>

It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

Convertible side table



Current Existing Design



My Proposed Design

9 February 2024 by **Sam C** 167

This is my current design for a side table that converts into a spare dining chair. My target market is those who live in small housing spaces and don't have space to store spare dining chairs. On top of that, 23.5kg of timber is thrown into landfills per household on average every year. Having a convertible product will help eliminate this type of waste. The way the mechanism works involves the shelf sliding out from the base and attaching to the top of the table by slotting onto the metal rods as seen in the image. Metal rods are removable.

What do you think?

Comment

IdeaSpies @ 2024.02.09 6:04

Good idea Sam. If you search chair on IdeaSpies you may find an idea that's useful, like this one from a previous student.

<https://ideaspies.com/posts/4-in-1-working-from-home-solution>

Sam C @ 2024.02.11 6:15 AM

Thank you IdeaSpies, I will have a look and take some inspiration!

natashajy @ 2024.03.21 8:56

this is a nice idea! - could use more clarification on how it converts from chair to table (possibly include more steps to follow) :)

Tugce @ 2024.03.21 2:02

Hey Sam,

I really liked your idea of a convertible chair to a side table and your amazing CAD skills; I can see some details, like holes. To improve this project, I recommend you show with arrows which part is detached, where it is going, and how to attach it. Another recommendation be when you are designing a product, you should think about more details, like joints, screws, or other components, and you can show them in your CAD. That makes you think about manufacturing as well.

Tugce Yarkin

Henry OSheaCowan @ 2024.03.21 2:04 PM

Hey Sam, really cool idea. The fact that you can work out the function based on a simple diagram is amazing. Having CAD skills in highschool is nuts as well, puts you miles ahead. Keep going at this and you will have university level work before you graduate. If you want to get good at CAD quickly, model small, simple things that you have in real life and try to get your model as close as possible to the real thing. As you progress with design you will learn that the devil is in the details, especially with industrial design. For example, how the seat back is held underneath the seat and how it connects as a seat back are the 2 crucial points in this design and it will take time and prototyping to arrive at the optimal solution. But yeah all in all really impressive, keep at it.

Daniellle @ 2024.03.29 12:22 PM

Hi Sam, this is a very neat and well-thought out design, nice environmental considerations too. I have a few questions that might help guide your design process further...

The rounded edges are very aesthetic and safe; could the back edge of the seat also be rounded and connect to the back legs so the back legs aren't sticking out while in the table function?

Have you considered how the holes left behind for the rods might be covered during the side table function? Leaving these as open holes might encourage bugs to nest inside. Also, where are the rods stored during the table function use? Is there a hidden compartment somewhere within the product where it can be stored?

I would also challenge you to try and incorporate arm rests for user comfort. Could the top of the side table possibly flip back and the arm rests be underneath?

Good luck with your design!

miriam @ 2024.04.02 8:48 AM [Edit](#) or [Delete](#)

Great idea Sam! I love the idea of a converting side table into a chair in small housing spaces. Your idea takes into account timber wastage; however, you may need to address how creating new products eliminates the amount of waste generated. To add to this, can the converting table be made from other materials such as plastic or metals, which also generate a lot of waste?

Jaye @ 2024.04.05 5:25 AM [Edit](#) or [Delete](#)

Hi Sam, great idea! I really think this design could go a long way in both improving sustainability and space management for your target audience. While I had a little trouble at first figuring out which components were moving, I figured it out fairly quickly. I do also see some potential for another purpose your design could have. If you found a way to remove the seat part, you could turn the product upside down and use it as a small step. Even if I am overlooking aspects that would make my idea unfeasible, you still have an amazing design.

eternity_engineer @ 2024.04.05 8:06 AM [Edit](#) or [Delete](#)

Hi Sam,

This is such a cool idea! It would also be useful for people who have lots of guests often but don't want to have a whole bunch of chairs everywhere. Great for space optimisation and sustainability!

I love the aesthetics of your design as well - minimalistic and easily customisable for unique aesthetic preferences.

My only suggestion would be to find a way to make the transition between chair and table more smooth and seamless... perhaps you could consider a runner similar to in drawers where the shelf slides out and clicks upright. While it may make the design more complex, it would improve its user-friendliness and be more accessible for elderly or disabled people to use without difficulty :)

Thanks for sharing!

[UpRising @ 2024.07.29 12:38 PM](#) [Edit](#) or [Delete](#)

Hi there Sam, congratulations you are nearly there, hope all is going well.

If you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would be fantastic as it really helps us to understand how we can better help next years design students.

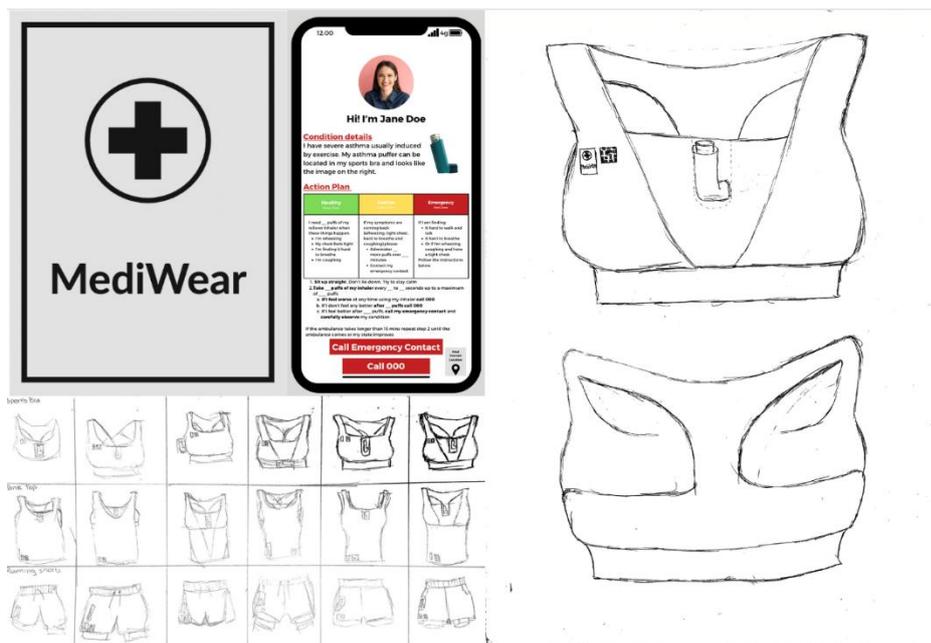
<https://forms.gle/XLgNBqQepAw2Go5q7>

It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

Medi-Wear



9 February 2024 by [Jade](#) 50

NEW 2024

"Medi-Wear" is a line of medical clothing specifically designed to integrate medicine. The Medi-Wear line will focus on addressing females managing Asthma as the prevalence is far higher. As exercise is one of the leading factors that can induce an asthma attack, the clothing line will be an activewear range that can hold and hide medication such as asthma puffers. Additionally, Medi-Wear will have a linked app that allows users to create a profile with their name, medical condition, action plan, personal emergency contact, emergency services and a GPS location finder. This information is accessed through a linked QR code.

What do you think?

Comment

UpRising @ 2024.02.10 7

Love this idea. I can see some great branding / labelling opportunities printed into the fabric to help raise awareness.

How can we help? What are three things you need assistance with?

Uwe Terton @ 2024.02.12 7:12 This is a great idea, information about allergies, blood type etc could be woven into the fabric, like having an tattoo.

Jade @ 2024.03.12 11:17 A

Hi UpRising, I'm interested in what you mean about labelling opportunities that are printed into fabric to raise awareness. I would love some direction about what and how I could raise awareness through Medi-Wear. Thanks for all the help :)

Grandma @ 2024.03.21 11:17

I love this idea, I would refine the App as it is a lot of information on one screen, and Make sure the visuals meet the recommended standard and are visually appealing. You can also consider making a few subheadings such as Emergency Contact details and Asthma Action plan as most people will call Triple 000 without accessing the app. Regarding the product, make sure you are using Sturdy materials or the 'pocket' compartment that is holding the asthma puffer is tight enough to stay with the activewear through vigorous exercise and different movements but is still easy to remove by the user or others.

ACB @ 2024.03.26 11:

As an Occupational Therapist working in private practice with people who have limitations to daily living, Jade, I applaud and commend you on your idea and design as it is one of a kind. It is difficult to find clothing options to manage many aspects of illness and disability that are seen as mainstream, which your design appears to be. Well done!

Sleach @ 2024.03.26 12:05

Jade, this is a game changer. Love the fusion of innovation and practicality, style and convenience plus the opportunity for meaningful change for asthma sufferers. Bravo and all the best in getting this off the ground.

ChrisM91 @ 2024.04.01 2:06 AM [Edit](#)

Hi Jade,

I really like the idea of this. I'm not sure if you have heard of the emergency plus app. Essentially its an app that provides GPS coordinates and allows you to contact emergency services regardless of what carrier you are with and if you have phone reception or not.

If this could be somehow paired the information of the person you would be able to provide to emergency responders would allow them to prepare better for the scenario as they would have some of the persons medical history whilst still on route.

if this gets traction, I think there would be a period where there would need to be consultation with emergency services and first aid providers around the country to make this the new normal.

I wouldn't stop at active wear although there are heightened risks whilst exercising (for an asthmatic) there are many people who would miss out on this fantastic idea.

Anxiety Management Smart Jewellery



8 February 2024 by Caitlin P 58

NEW 2024

These are my final pieces cast in sterling silver. I am yet to piece them together but I hope to do that soon. The bangle will consist of fidget beads for distraction and a mood tracking bead (Using the same technology as mood rings) for early warning signs of anxiety and stress. The pendant will consist of a cooling system for users to apply to pressure points when panicked (Scientifically proven to calm during panic attacks). Finally the ring is a sensory grounding device made to ground wearer during anxiety.

What do you think?

UpRising @ 2024.02.09 3:01

An important project Catlin. A great challenge. Have you done much research into haptic design? Would also recommend you do a quick search in <https://ideaspies.com/>. They have a great collection of ideas and inspiration that would help see what is already out there and how is working in this field.

Uwe Terton @ 2024.02.12 1:03 PM

This is a great idea, you could incorporate soothing light and sound from nature played when opening the box

Pierre Pienaar AIP @ 2024.02.25 2

Beautiful packaging, makes the jewellery safe but also well presented when deciding which to wear.

Like opening a Pandora's Box. One would need to be careful when deciding on the packaging, as one would want to be elegant but not expensive, depending on the value of the jewellery

probinson @ 2024.03.21 2:59

Great concepts! Love the features you have already explored. May I suggest investigating some skin-safe or non-toxic materials that could be used to expand use cases of the project - e.g. Different demographics or age groups? Wonderful ideas :)

Tracey McCandless @ 2024.03.28 1:5

What a fantastic idea Caitlin. I hope I get to see the finished product.

UpRising @ 2024.04.04 12:

Good evening Caitlin.

Hope you are well and are enjoying being part of this years' UpRising.

Sending out a little UpRising news update.

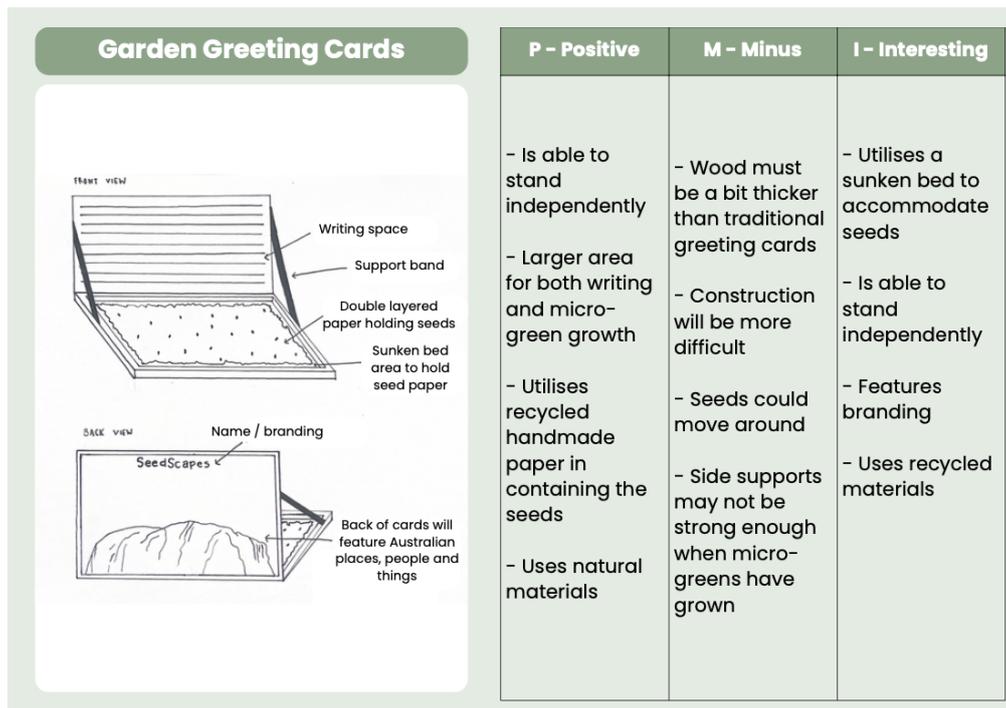
you at FuturesNow.

UpRising @ 2024.07.29 12:42

Hi there Caitlin, congratulations you are nearly there, hope all is going well.

We are sending out a little request - if you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and communit

Garden Greeting Cards



7 February 2024 by [Frankie8](#) 41

NEW 2024

I am aiming to design and create a greeting card that doubles as a countertop planter housing native Australian microgreens. To achieve my main goals of sustainability, education, and connection I will be designing a product that promotes anti-waste and personal food production, self-education on Indigenous plants and practices, and finally, connection to others through stories, thoughts, and ideas. If anyone can provide support, advice, or recommendations that would be greatly appreciated. Thanks!

What do you think?

Comment

[UpRising @ 2024.02.08 3:28](#)

A fantastic idea Frankie, so many layers and opportunities in here. Can you provide a little more information/ details on how it would double up as a counter top. Love the multi functionality, just trying to visualise how it would work, size and materials etc..

[NJ Kelton @ 2024.02.09 6:04](#) what a unique idea. It would be great to consider whether you could develop the range for tourists that come to Australia. Some countries will have bans on importing seeds though so something to think about when you decide whether your audience is domestic market or export, or both. How will you seal the card s the seedlings don't fall out? If it is domestic you could come up with a series of indigenous art that are linked to the community where the plants are located in Australia. Maybe a 2D code or a QR code could be added to add additional information about how to grow the plants - no sun/sunlight/lots of water etc could be added. Also keep the card in a fibre renewable material so that it can be recycled - make it the size of a standard greeting card for recyclability.

Frankie8 @ 2024.02.12 6:2

Thank you!

My product will essentially work by being about the size of a standard greeting/postcard whilst will be able to open up and sit on the user's benchtop for easy accessibility. The seeds will be placed and sealed in between two sheets of homemade paper to ensure they both have a suitable place to grow and so they do not fall out in transit.

I was planning to make this a domestic product as I assume it will be quite difficult to navigate which countries have stronger bans and procedures. I am still open to making this an international product but will do some more research before I make that decision. A great idea about the artwork for the cards I will be sure to incorporate that idea somehow.

Regarding the 2D/QR code, I was planning to create a website to pair with my physical product which could be easily accessed by scanning a QR code on the product. This website would give directions on how to best use the product, troubleshooting tips, about the plants, and possible uses for the plants. I may expand and include more ideas if I need to.

Thank you for all the ideas and advice!

Uwe Terton @ 2024.02.12 2:56 A

You could make your card interactive by adding a QR code that connects the user to an online community that shares the same vales and also shares photos of their garden, native plants etc.

IdeaSpies @ 2024.02.12 2:56

Frankie- I suggest that you check the Botanic Gardens shop. I think they have associated products.

<https://www.botanicgardens.org.au/facility/garden-shop-0>

n11041668 @ 2024.03.21 5:09

I love how unique this idea is and could absolutely see this being an actual product. I think this would be a self-contained product with the microgreens being grown inside the card, but I feel like this could limit the possible things that could be grown. Perhaps it could be modified to be instead placed on top of a small amount of soil, which might allow for a greater range of native plants to be grown whilst still keeping the core concept.

Regardless amazing work and I hope you continue to pursue design as a potential career

Monique De Martin @ 2024.03.31 6

What a creative idea, Frankie! I love it.

I would certainly buy a card that reduces waste, promotes sustainability, as well as being edible and beautiful to look at! One consideration is the moisture required for growing the seeds on the bed. What sort of material were you intending to use as the base/ sunken area?

I noticed wood is being used and recycled materials, as wood would not contain the water/moisture and the benchtop would get wet, would make the card not reusable if the timber base got moldy, possibly damage the benchtop, and require more watering.

I have used plastic and glass options for growing beds. My preference is glass because it always grows better for me and fresher, but the glass option would be heavier and more expensive and add many other issues like manufacturing, postage, fragility, and weight, but it would be reusable.

Friends have used plastic grow trays with no issues which would be lighter and more durable, as well as contain the water for seeds to grow happy and healthy, hold the moisture in, and don't seep onto the countertop. Perhaps made from recycled plastic to keep with the sustainable idea - I don't know anything about that area, sorry.

I wish you the best of luck with pursuing this wonderful idea of making more sustainable greeting cards!

Monique

Garden Box



7 February 2024 by **Zac Creighton**

22

Many people who garden struggle to store – and easily transport – garden tools. Because of this, I plan to create an adjustable gardening tool that can be easily transported in a gardening kit/toolbox.

What do you think?

UpRising @ 2024.02.09 2:12

Sounds like a great idea Zac. How can we help? What materials are you thinking of using to make the kit? Will the kit be designed for a particular audience?

Looking forward to seeing this project develop.

NJ Kelton @ 2024.02.09 9:10 AM [Edit](#) or [Delete](#)

Are you looking at designing this for people who say have Arthritis? Difficulty gripping and holding tools? What would the tools be made of? Will they be able to be recycled?

Uwe Terton @ 2024.02.12 8:43 AM [Edit](#) or [Delete](#)

Interesting concept, like an adjustable spanner for gardening.

Melfinger @ 2024.03.21 1:

hi Zac - this sounds like an interesting idea. We would love to see a preliminary sketch of the idea including the tools and size. It could work on a simplified tool 'over the shoulder' bag/tool belt so you can easily see and access the tools.

Look into what others are doing in this space!

All the best,

Mel (Fashion) Isla (Landscape Architecture)

UpRising @ 2024.07.29 12:

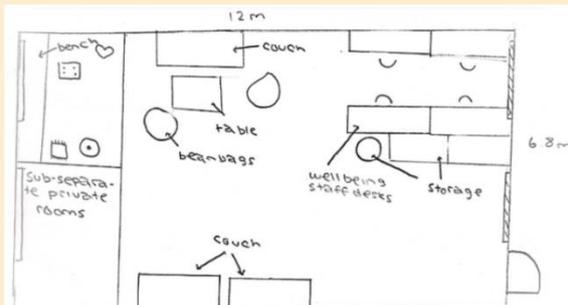
Hi there Zac, congratulations, you are nearly there, hope all is going well.

We are sending out a little request - if you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

School Wellbeing Room

School Wellbeing Room

I plan on having the Wellbeing Room designed to fit measurements of a common school demountable classroom. In doing so, the design will be accessible to all schools across the state and won't rely on certain classroom measurements or sizes.



The design decisions of the breakout room were influenced by findings of a market research survey completed by high school students.

The following items were used for approximate measurements:

- Lagkapten/ Alex Desk
- Pärup Couch
- Lack Side Table
- Kallax Storage

| Positive | Minus | Interesting |
|---|--|--|
| <ul style="list-style-type: none">• Area with bean bags, couches and table where students can do activities or converse if needed (with teachers or peers)• Storage space for tools such as communication cards, sensory items and mindfulness devices• Multiple couches for people who need to lie or sit down• Good number of staff desks• Division between teacher area and student area, allowing for privacy for students | <ul style="list-style-type: none">• Only 2 private rooms for people in need of a separate space (extra privacy)• Right hand corner of the room isn't put to much use.• Teachers desk area may be a bit too crammed | <ul style="list-style-type: none">• Lots of empty floor space for students to move beanbags, ultimately allowing for extra comfort.• Couples wellbeing room with wellbeing staffroom so there will always be a teacher for support. |

7 February 2024 by [Saskia](#) 21

NEW 2024

I aim to design a 'Wellbeing Room' system which will be implemented into both primary schools and high schools across NSW. The purpose of this room is to help students who struggle with different issues such as poor mental health gain access to both support from professionals and a quiet and calming safe place at school. My MDP will also include tools to

be implemented in the Wellbeing Room such as communication assistance cards for students feeling extremely anxious, sensory items and mindfulness devices. I am keen to gain advice and suggestions from any professionals willing to help. Thank you!

What do you think?

Comment

[UpRising @ 2024.02.09 12:](#)

A fantastic idea Saskia. Such an important issue to raise awareness on and provide solutions.

A lot of great things happening with Wellbeing in schools and some work places that you can tap into and explore.

[morganctei @ 2024.03.23 12:18](#)

Hi Saskia!

What an interesting idea - I think maybe you could iron out a few details by honing in on a specific purpose for the room. Is it for people who are anxious while taking exams, people who need a safe space to express their emotions, or people who are looking for support from a counselor/psychologist? I think if you narrow down the purpose you can create a space that more effectively meets people's needs without jeopardising others. For example, when I was in school and feeling unwell mentally, I did not want teachers hanging around, so I wouldn't want to enter this space - but it could be great for those specifically seeking support.

[Monique De Martin @ 2024.03.](#)

Hi Saskia,

I really like this idea! I would have loved it as a young person, and as an adult, have been experimenting with various mental health strategies to get me on track and keep me on track when i am out of whack. I love the idea of couches, a quiet space, privacy, as well as comfort couches, communication cards, etc, as these would be beneficial. Have you thought about adding things like play-do, balls, art therapy, a punching bag or various tools to help students connect back to themselves. I personally like art, journaling and talking out loud, running, walking and breath work, or speaking out loud in a sound proof room.

I hope it goes well for you, and this idea comes to fruition, as this is a necessity in our school system,

All the best,

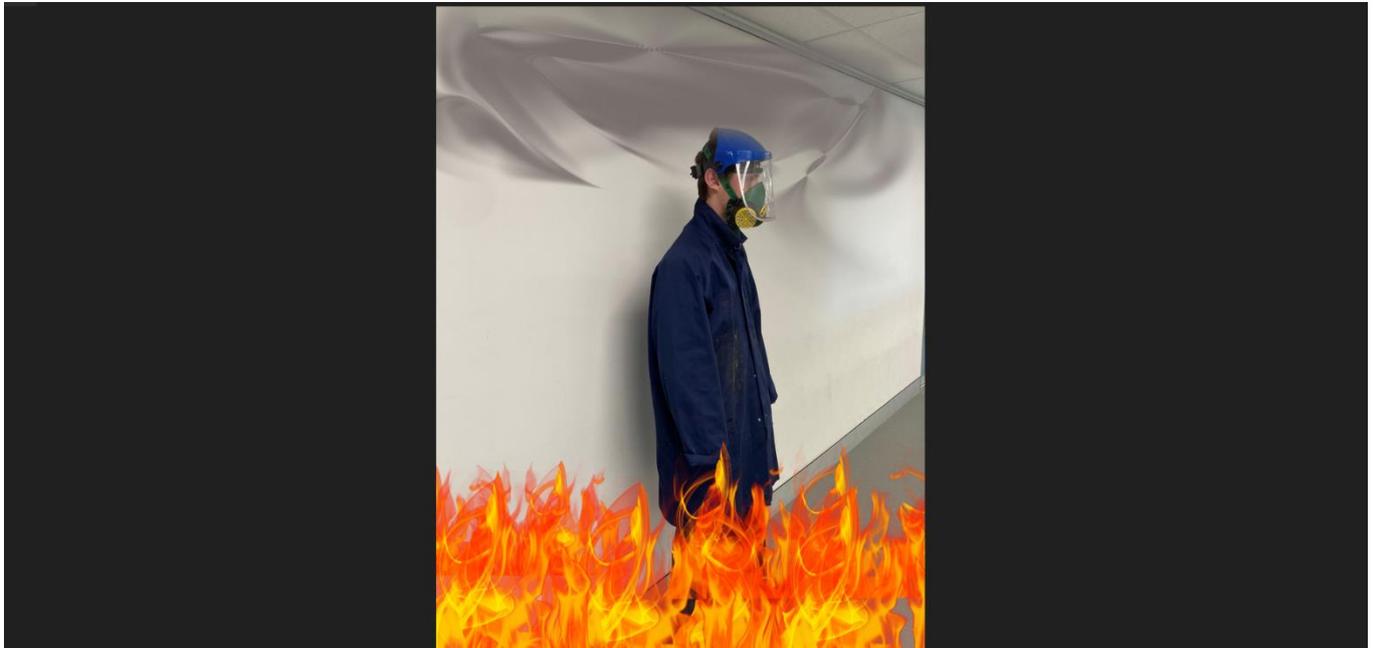
Monique

[Saskia @ 2024.04.01 12:26](#) @morganctei Thank you for your advice! I think I will design the room specifically for those who need support from a counselor or psychologist and ensure the room caters to these needs. I will also investigate how I can ensure privacy for users and the role of teachers in relation to the room. Thank you again.

[Saskia @ 2024.04.01 12:31 P](#)

@MoniqueDeMartin I had been considering different tools and activities that could be accessible for users of the wellbeing room so thank you so much for your suggestions and examples you find useful. I will also definitely try to include sound proof solutions into the room to create a private environment for students in the room. Thank you!

Escaping Fires Safely



6 February 2024 by **Jackson** 28

Australia is a country constantly on fire.

At the moment, there is no good way for a person in a rural environment to survive and escape a fire without injury. Therefore, I propose the 'Emergency Fireproof Poncho'. The base layer is a fire-retardant material, and the topcoat is a reflective material designed to reflect the heat. The Poncho is also equipped with a respirator and visor of sorts which allows the user to breath unobstructed and see through the smoke. Once the user has escaped the fire, a whistle is attached to signal authorities. With this, they survive unscathed.

What do you think

UpRising @ 2024.02.06 5:

A great concept Jackson. I can not believe something like this does not exist already. The respirator, visor and whistle are clever editions. How can we help? Have you contacted SES. They would be an interesting group to talk too about fire safety education etc..

Looking forward to seeing this project evolve.

Uwe Terton @ 2024.02.12 5:28 AM

Wonderful idea, incorporation of a small oxygen bottle would be cool.

WILLH-CQU @ 2024.04.01 4:08

Hi Jackson,

I think it's a great idea to have a personal fire safety device, especially seeing as in rural communities, it can take significantly longer for emergency services to both reach and find properties in the event of a fire. I have a few suggestions and comments about the design that you proposed.

I appreciate the addition of the mask and visor for the device, as the smoke produced by the fire is often the most deadly aspect for people, as the smoke can both blind you if it gets in your eyes, and suffocate from smoke inhalation. I think the design would work better if the mask and visor were integrated into the poncho as a whole piece so that there is less chance of losing individual pieces of the device and it would be faster to put on in a stressful situation.

Another recommendation is adding a light in addition to the whistle to signal emergency service and attract others to one's position, much like the life preservers on planes. This would help in attracting attention at night, in the event of significant smoke or cloud cover, and if the wearer is unable to blow the whistle. It would also make it so that the wearer would not need to remove the mask to blow the whistle as often.

I think your idea has the potential to be an integral part of saving people's life, with fire being as wide spread as they are in Australia.

Regards,

WillH

Spencer @ 2024.04.03 4:08 AM [Edit](#) or [Delete](#)

Hi Jackson, that is an awesome idea.

Have you thought about incorporating a full-face respirator instead of a visor since smoke can enter the eyes with just a visor? Also with the whistle can it be an electronic/duress alarm with a tracker which can be triggered by a small push button if the fire victim is incapacitated and unable to blow a whistle?

Electrolysis Clean Cooking System



4 February 2024 by [jjameswood](#) 378

According to the World Health Organisation, 2.3 billion people worldwide still remain without access to clean cooking. Breathing in polluting fuels can lead to negative public health outcomes and premature death.

My project aims to create a cooking system that uses a renewable and clean energy source. Electrolysis is a process that separates the hydrogen from water molecules which can be utilised to fuel a gas stove.

I intend to produce a simple, clean energy, gas stove, which can be produced at mass. Ultimately, the goal is to aid in the adoption of sustainable and accessible cooking methods.

What do you think?

Comment

[UpRising @ 2024.02.05 2:34](#)

Wow, a fantastic idea James. How can we help. Have you connected with any university labs?

Looking forward to seeing your concept come to life.

[jjameswood @ 2024.02.05 4:48](#) Thank you Uprising!, no i have yet to connect with any university labs. Are there any in particular that you would suggest might be helpful with my project?

[UpRising @ 2024.02.18 4:48](#)

Hi James, might be worth connecting with this company,

https://www.instagram.com/reel/C3SXHDPNoMW/?utm_source=ig_web_copy_link

IdeaSpies @ 2024.02.19 4:

James- you may like to check IdeaSpies for ideas on hydrogen that could be useful:

<https://ideaspies.com/search?q=hydrogen>

n11041668 @ 2024.03.21 11:

I love the concept and hope to add some useful research. The article lists several ways that hydrogen could be used in a cooking environment that could be directly incorporated into your design.

<https://encyclopedia.pub/entry/39926>

Keep up the amazing work.

UpRising @ 2024.03.25 11: Wow. Love the updated images James. Fantastic.

hannah @ 2024.03.25 3:54 P

What a fantastic idea! An up and coming engineer. Keep going with the fantastic work, James!

Kylie Hargreaves @ 2024.03.26 7:01 A

Getting rid of wood, coal or other toxic home cooking/heating systems is definitely needed - so awesome driver and focus. A key challenge though will always be to ensure alternatives are easily accessible and cheap to be mass produced. Given some of the challenges associated with sourcing clean water and managing hydrogen gases, perhaps the same sort of engineering concept could work for a battery cook-top, re-charged by solar power? It might provide a clean energy, more affordable, more manageable and safer option?

Hope @ 2024.03.28 11:

Hi jjameswood,

It's always exciting to see more uses for green hydrogen, especially to help remote communities, but I think you need to keep a few things in mind with this design.

First, hydrogen is dangerous! You would really want to generate hydrogen in a safe place and store it in safe containers, like the natural gas cylinders that are already quite common.

Secondly, I can see that your design operates by using batteries to run the electrolysis machine, but if you have access to power and sufficient battery storage to generate hydrogen when power isn't running, why use hydrogen? You will always lose energy to heat when converting from one form to another, and by including the hydrogen step you will require a lot more electricity to cook your food. Simply using widely available and affordable electric cooktops would be a better solution in this scenario.

This is not to disparage a hydrogen solution for cooking because I definitely think there is room for something there! I would consider a community level solution, where hydrogen generation can be done safely and at scale. A generation plant, connected to solar, filling an array of cylinders that community members can come, swap and collect, and take home to their hydrogen cooktop would be green, safe, and appropriate for many situations.

UpRising @ 2024.04.04 1:21 PM [Edit](#) or [Delete](#)

Good evening Jameswood.

Hamish05 @ 2024.04.11 1:05 PM [Edit](#) or [Delete](#)

Hey jjameswood,

Your project of using electrolysis to produce hydrogen for clean cooking is truly commendable and addresses a critical need for sustainable energy solutions. However, there are some aspects that could be further refined to enhance its impact and feasibility.

Firstly, it would be beneficial to delve deeper into the feasibility and accessibility of implementing electrolysis technology on a large scale. Conducting thorough research into the cost-effectiveness and scalability of this technology would provide valuable insights into its practicality and potential for widespread adoption. Here is a report you could look into for more information: <https://www.sciencedirect.com/science/article/pii/S0360319923024229>

Secondly, ensuring the durability and longevity of the gas stove is crucial, especially in communities with limited resources. Investigating materials and construction methods that can withstand various environmental conditions and heavy use over time would be essential to maximise the stove's lifespan and impact.

UpRising @ 2024.04.17 1:54

Hi James. Just saw this, thought it might be of interest to you. Not sure if you could get there before school,

<https://www.eventbrite.com.au/e/revolutionising-green-hydrogen-production-tickets-846775035927>

Regards,

From paper to petals: a sustainable paper bouquet that can grow into real flowers



This prototype was made with recycled paper



28 January 2024 by [Amy_Q](#) 20

Each year paper leaves a great impact on the environment accounting for around 26% of landfill! Similarly, the floral industry also leaves a great eco-footprint, disposing tonnes of CO2 into the air every year just to transport flowers from the mass producers.

Through My MDP, I aim to address the insufficient use of resources that come from the floral industry and paper in society, by creating a recycled paper bouquet that can grow into real flowers. Through this product, I aim to reduce waste whilst encouraging people to get involved with planting flowers.

Any help would be greatly appreciated!

What do you think?

UpRising @ 2024.01.30 12:06

A fantastic concept Amy.

You are hitting a few big areas all at once here. There are so many interesting entry points to support this idea. Have you considered what type of flowers that would make up your recycled paper bouquet? Would native flowers be of interest to you?

Looking forward to seeing your project develop.

UpRising @ 2024.01.30 12:37 PM [Edit](#) or [Delete](#)

Also forgot - Highly recommend checking out <https://circulardesignco.com/about/> seriously good materials in there that you could use with your project

Amy_Q @ 2024.01.31 5:31 AM [Edit](#) or [Delete](#)

Thank you for the information Uprising. I have begun researching different flowers and native flowers sound like a very interesting choice as it could possibly add more meaning to my product. Any sources or contacts for individuals with knowledge in flowers would be particularly helpful for my research.

Thanks,

Amy

Amy_Q @ 2024.02.07 5:31 AM [Edit](#) or [Delete](#)

Hi everyone who sees this comment, I would appreciate if you could fill out this survey for my MDP and share it with anyone who would be willing to fill it out.

Here is the link: https://docs.google.com/forms/d/e/1FAIpQLSf-1WI5JJQDNZLpRnFDmn7_KZRvMohwTdS04tJc1-em2uqnHg/viewform?usp=sf_link

Thanks,

Amy

IdeaSpies @ 2024.02.08

Good survey Amy! I've completed it.

NJ Kelton @ 2024.02.09 7

will you be incorporating native flowers in to the bouquets? How will the process will work?
I am interested to hear more about your ideas

Amy_Q @ 2024.02.10

Yes, I will. My design concept is basically making paper flower that can grow into real flowers so I will incorporate native flowers into the bouquet by adding their seeds into the recycled paper I make. I will then use the 'seeded paper' to cut into petal shapes and make paper versions of their original flower.

NJ Kelton @ 2024.02.11

thank you Amy for the update. Maybe you could speak to a paper/fibre expert and also a horticulturist or botanist to see how to blend the paper with the seeds.

Amy_Q @ 2024.02.11 5:45

I have been thinking about that, however I am currently having a hard time finding contact numbers for Australian specialist in the area of horticulture and paper (I only found contacts for florists and a specialist who focused on weeds and biosecurity). Would you know any specialist in the region as it would be particularly helpful for my research.

Thanks,

Amy

NJ Kelton @ 2024.02.12 8:07 A

May I recommend that you reach out to Keith Chessell from the AIP education team and ask him to help as he is an expert in paper. kchessell@aipack.com.au

IdeaSpies @ 2024.02.12 12:52

Amy I suggest that you check the Botanic Gardens shop. I think they have associated products.

<https://www.botanicgardens.org.au/facility/garden-shop-0>

CoreyC @ 2024.03.21

Great design idea Amy! Got a few questions/suggestions

Have you considered the paper flower being a dehydrated flower? Also, have you considered a packaging with the seeds inside?

And have you looked into other sustainable materials apart from recycled paper, that could be an option for making the flowers?

Belinda VM @ 2024.04.03

You might like these paper flowers, hand-dyed and coloured made from crepe-paper as they can be very realistic: [Floragami \(norfolkbound.co.uk\)](http://Floragami.norfolkbound.co.uk), ACU

UpRising @ 2024.04.0

Good evening Amy.

Great to see you are getting your replies out back to your fans. Hope you are enjoying being part of this years' UpRising.

Hamish05 @ 2024.04.11 1

Amy_Q, your initiative to address paper waste and the carbon footprint of the floral industry is truly inspiring. By proposing bouquets made from recycled paper that grow into real flowers, you're offering a creative and sustainable solution to a pressing environmental issue. Encouraging people to plant flowers not only beautifies their surroundings but also contributes to biodiversity and ecosystem health.

To further enhance your design, I would suggest delving deeper into research on the types of recycled paper materials that are most conducive to promoting plant growth. Understanding the characteristics and properties of different paper materials can help optimise the bouquet's ability to support healthy plant growth.

Additionally, consider reaching out to local nurseries or gardening organisations to establish partnerships or seek guidance on the best planting practices for your recycled paper bouquets. Collaborating with experts in the field can provide valuable insights and support to ensure the success of your initiative.

Naomi Lam @ 2024.04.25 6

I love this idea Amy and think you could really excel with this project. We recently visited Taronga Zoo in Mosman and they handed out postcards with seeds embedded in them as a sustainability initiative.

I think the postcards were printed from this company: <https://seedpaperaustralia.com.au/product/seeded-postcards/>

Hope this helps!

Naomi - ACU

UpRising @ 2024.07.29 12:46 P

Hi there Amy, congratulations, you are nearly there, hope all is going well.

Biodegradable animal friendly first aid kit



24 December 2023 by **SoumShar** 1161

Australia, a mega diverse country, and faces threats to its biodiversity from disasters like bushfires, urbanisation, and road injuries. This has resulted in the extinction of several species and predicted that koalas may face extinction by 2050. My aim is to create an eco-friendly first aid kit with biodegradable bandages infused with herbal remedies for skin regeneration and healing and when ingested, will be harmless to animals and will not cause damage to the environment. I am seeking support from individuals with expertise in animal-related industries or involved in testing and manufacturing first aid products. Please visit my website: <https://sites.google.com/education.nsw.gov.au/ecoheal/home>

What do you think?

UpRising @ 2023.12.24

A fantastic idea SoumShar. Your website is amazing. Clean goals and well researched. The Port Stephens Koala Sanctuary is a good place to start. Talk them about your project and what they need. There could be a chance to collaborate.

<https://www.portstephenskoalas Sanctuary.com.au/>

Looking forward to seeing your very important project take shape.

SoumShar @ 2024.01.02

Thank you for the information I will be in touch with The Port Stephens Koala Sanctuary to get some more insight on how to ensure my product is effective, safe and meets the needs required for animal rescuers.

Soumya

UpRising @ 2024.01.09

Hi there Soumya. Just found this organisation, <https://www.wildkoaladay.com.au/what-to-do/> . Worth contacting.

Kind regards,

SoumShar @ 2024.01.12

Thank you for the information. I will keep get in touch, looks like they have some interesting projects.

Thanks Soumya

NJ Kelton @ 2024.02.09

Have you considered reaching out to the Australasian Bioplastics association and seeing if they can provide some additional guidance.They may have some ideas on the best choice of bandages.

<https://bioplastics.org.au/>

SoumShar @ 2024.02.15

Thank you for the information, NJ Kelton.

I will reach out to this organisation shortly !

Soumya

UpRising @ 2024.04.04

Good evening SoumShar.

Great update on your project image and great work on getting your replies back to all those great

UpRising @ 2024.07.29

Hi there SoumSar, congratulations, you are nearly there, hope all is going well.

We are sending out a little request - if you could update the image on your Post to show a little collage of your projects development that would be fantastic. We will be awarding the top three UpRising design projects for 2024 and the UpRising alliance and community love to see the journey of your design.

There is a little feedback survey, if you could fill it in that would fantastic as it really helps us to understand how we can better help next years design students.

<https://forms.gle/XLgNBqQepAw2Go5q7>

It also has an option for you to select if you would like to continue to be involved in UpRising next year and beyond. Lots of interesting ways to continue to build connections within the design industry. Great for your resume and career paths.

Wishing you all the best with your trials and finishing touches on your MDP.

Shout out if we can help in any way.

Visible mending kit and guide aiming to reduce fashion waste.

M ON THE MEND
THE MOST SUSTAINABLE GARMENT IS THE ONE YOU ALREADY OWN

WHAT IS "ON THE MEND"?
On The Mend is a community-based system that encourages users to reconsider how they care for their clothes. It includes:
• A large-scale, multi-day Clothes Swap that demonstrates the simplicity of sustainable fashion.
• Live sewing workshops for users wishing to develop their sewing skills
• A virtual guide that teaches beginners and skilled sewers to care for, repair and alter their clothing through video and pictorial instructions.

DEMOGRAPHIC
On The Mend's target demographic is teenagers and young adults who want to get into sustainable fashion, mending or upcycling but don't know where to start. It is designed to teach both machine and hand-sewing, thus providing users with greater confidence and control over their clothes, and reducing the likelihood that these garments will be thrown out.

Did you know?
"Fast fashion" was coined in the early 90s by the New York Times, as a description of Zara's goal to design, produce and sell a garment in 15 days.

Did you know?
Today, the average consumer buys 60% more clothing than they did 15 years ago, but the number of times a garment is worn has declined by 36%.

Did you know?
80% of op shop donations never reach the shop floor, and instead end up in incinerators and landfills.

PROBLEM AND NEED
The social, environmental and animal impact of fast fashion is one of the most pressing contemporary issues. This problem is linked to throwaway culture, as garments frequently end up in landfills or are incinerated because they are not of high quality, on-trend, do not fit, or require minor repairs. After surveying my local community, I found that most people have some awareness of the impacts of throwaway culture, but few understand the full extent of the issue. Additionally, the respondents rarely knew that minimising consumption is the best method to prevent this issue, and instead focused on regularly buying from "sustainable" sources. I raised this issue with friends and discovered that while they wanted to help the cause, they did not know where to start, as they had not been given the tools they needed to care for and maintain their clothes responsibly.

WORKSHOPS
On the Mend's sewing workshops for groups of 2-3:
• were tailored to the group's skills
• began with basic hand-sewing
• developed sewing machine skills
• taught participants to alter, repair, upcycle or create a chosen item of clothing
• improved the confidence and knowledge of the participants
• helped me to pinpoint skills and tutorials that required development
Skill Outcomes: event planning and execution, people management, social media marketing, teaching.

CLOTHES SWAP
On The Mend's successful large-scale clothes swap:
• was hosted at an inner city high school
• spanned two days
• was supported by teachers and students
• received hundreds of items of clothing
• had lines of eager students out the door.
• raised \$34 for Dress for Success.
Skill Outcomes: event planning and execution, people management, social media marketing

VIRTUAL GUIDE
On The Mend's virtual guide, designed on wix,
• is centred around housing and organising the various tutorials and makes finding them as easy as possible.
• contains information on garment care, the impacts of fast fashion, and other ways to support the cause.
• acts as On The Mend's sewing kit pattern shop.
Beginner tutorials
• include detailed hand-sewing instructions, and explain which machines and tools are best for beginners
Intermediate tutorials
• encourage users to carry their skills further and use them in realistic situations, including experimenting with different techniques like darning, seam alteration, and zipper replacement
Skill outcomes: graphic/website design, filming and editing, mending, pattern design

13 December 2023 by [FBH](#) 25

On The Mend is a community-based system that encourages users to reconsider how they care for their clothes. Aimed towards teenagers and young adults, it consists of tutorials that teach users to sew, mend and repair, both by hand and on a machine, which provides them with greater control over their clothes This reduces the likelihood of high quantities of disposed clothing.

On The Mend held live events, including upcycling and repair workshops, and a large-scale, multi-day clothes swap. These events further demonstrated ways to get involved in sustainable fashion and were tailored to the specific needs of each group.

What do you think?

[UpRising @ 2023.12.14](#)

Great idea FBH. Such an important project. What are three things we can help you with?

Looking forward to seeing your MDP create impact.

[FBH @ 2023.12.20](#)

Thank you!

I'm currently researching the different kinds of visible mending and other ways we can combat throwaway culture and the impacts of fast fashion. Any sources that would be particularly helpful for my research would be great.

I will also be completing a survey of people who mend or alter their clothing and would like to interview some individuals who are into sustainable fashion and mending, so if anyone has any contacts or would be interested in being interviewed/surveyed themselves please let me know!

UpRising @ 2023.12.20

Good afternoon, FBH. Ok, great, this helps us understand what you need,

A great connection is [STSC Sustainable Textile Supply Chain](#).

STSC (Sustainable Textile Supply Chain) develops and wholesales textiles in relation to the parent company Circle Centre.

Also check out CIRCULAR CENTRE <https://ausfashioncouncil.com/directory-listing/circular-centre-stsc-sustainable-textile-supply-chain/> These guys are serious about Fashion waste.

Some other interesting areas include, [CircStretch](#); a bio-stretch knit using the world's first Cradle to Cradle Gold certified stretch yarn, plus with the Hohenstein Institute certification showing its causes zero toxic plastic pollution as it breaks down and is home compostable. STSC provides additional coloration services including Natural Plant Dyeing, Waterless Eco Digital Printing, AZO-Free Pantone Match Dyes and Pure Plant Based Dyeing with Ayurvedic Medicinal Plants and Herbs.

They are not directly linked to repairing textiles clothing items but would a great group to talk to about your project and interests.

Hope this helps.

NJ Kelton @ 2024.02.09

I think this is a great idea. IT would good to ensure that the packaging that you select is also recyclable. There is a lot happening in the textile space at the moment with some textiles being recycled <https://texrecaus.com/>

You could also link to the Upparel project <https://upparel.com.au/>

I wonder if you could work with a second hand store/vintage clothing store where you know the audience would be interested in this kit.

Circular Economy Pioneers Australia - Chelsea McLean @ 2024.04.02 9:22

Love this idea, just brilliant!

Belinda VM @ 2024.04.03

You might find this article helpful: [Why Mending Matters: Fashion's Repair Market Opportunity | Common Objective](#), ACU

JordanVDB @ 2024.04.03 9

Hey FBH,

This is an excellent idea with great potential. I agree that throwaway culture has become increasingly prominent in today's society. I feel that to get people to undertake sustainable clothing practices then they must have their perspectives changed. It is likely that many people will not have any experience with mending their clothes so it would be important to include detailed instructions with illustrations and helpful tips. Additionally, to make the kit as user-friendly as possible the addition of included intuitive tools, online tutorials, and technical support will likely help. Ideally making the kit easy to use and understand may incentivise more people to engage and practice sustainable clothing practices.

FBH @ 2024.04.04

Hi NJ Kelton!

Thank you so much for your response

I was looking into your packaging sources, but unfortunately, as I have had to change paths, I won't be able to integrate this into my project.

However, your link to the Upparel project was very helpful. I have done some stuff with them before but completely forgot until you reminded me!

FBH @ 2024.04.04

Thank you so much, Chelsea!

I appreciate your support :)

FBH @ 2024.04.04 9:

Thank you, Belinda!

I am currently looking into Common Objective, and this was a very helpful article of theirs.

FBH @ 2024.04.04 9:

Hi @JordanVDB

It's like you predicted the change in my design before I posted it!

I have changed to a website to make it easier for me to produce (producing the kit on my own took several hours each time and thus could not be sold at an accessible price).

Your tips on making it easy to access were very helpful, especially on technical support as I had not considered that.

Another thing I am considering that I would love your feedback on is adding a social/community-based element to my guide design. Think like a local, friends-only version of an Instagram feed, where individuals can upload before and after photos of their mends. I think that this would help to bring back a bit of the social element that has been lost from shopping as it has become more online. Do you have any thoughts??

Thanks again!

FBH @ 2024.04.04 9:2

ORIGINAL POST: Throwaway culture means items are worn less before being disposed of in our society. A big reason for this is that many people do not know how to mend their clothes, and the poor quality, cheap clothes that fill our shops are significantly more likely to break. My goal is to design a visible mending kit and guide that teaches users to repair and care for their clothes.