

Group no:14

Recycling Used And Old

Thing



Member' s

1. Sarthak Darandale
2. Sarthak Jadhav
3. Shreya Bansode
4. Tejas Bhagwat
5. Niranjan Deokar
6. Aditya Joshi

Persona Of End User

01

Common Man

02

Students

Common man Persona

Background:

- Basic education, maybe to some extent college-level.
- Aware of smartphones but somewhat conservatively spending.
- A working professional or student, residing in an urban or semi-urban location.
- Tech-savvy but prefers affordable solutions.
- Values utility over luxury.

Challenges Faced :

- Tight budget and limited disposable income.
- Limited access to information about product benefits.
- Balancing practicality and spending on accessories.
- Lack of knowledge about renewable energy.
- Difficulty in justifying additional costs for accessories.
- Lack of trust in new products.

Motivation:

- Mainly about saving electrical power.
- Environmentally conscious and interested in sustainability.
- Convenience of charging cell phones anywhere.
- Need for reliable, portable charging options.
- Interest in eco-friendly innovations.
- Desire for unique and functional mobile accessories.

Doubts/Fears

- Is it compatible with their phone?
- Concerns about overheating or safety.
- Uncertainty about warranty or repair options

Aspirations:

- Owning innovative, cost-effective gadgets.
- Becoming part of an environmentally responsible movement.
- Using modern tools that improve convenience.

Student Persona

Background:

Samruddhi hails from a middle-class family living in a big, bustling city. She has always been interested in what things do and started her science and technology interests early on. She was a keen student, especially in physics and mathematics.

Challenges Faced :

Samruddhi has many difficulties dealing with stakeholders, such as her parents, teachers, and classmates. Her parents are foremost apprehensive about the practicability of the project. They might think that it would consume a lot of her time and energy, whereby she could lose much time meant for academic pursuits. Her teachers support her effort but hardly understand much about solar energy, hence not in a position to offer much assistance. Some of her classmates are also skeptical of the project and do not think that she can do it well.

Motivation:

Motivation for this project was due to Samruddhi's concern about climate change and an increasing demand to have clean energy sources. She thinks solar energy will be able to support power in a sustainable manner in our future.

Doubts/Fears

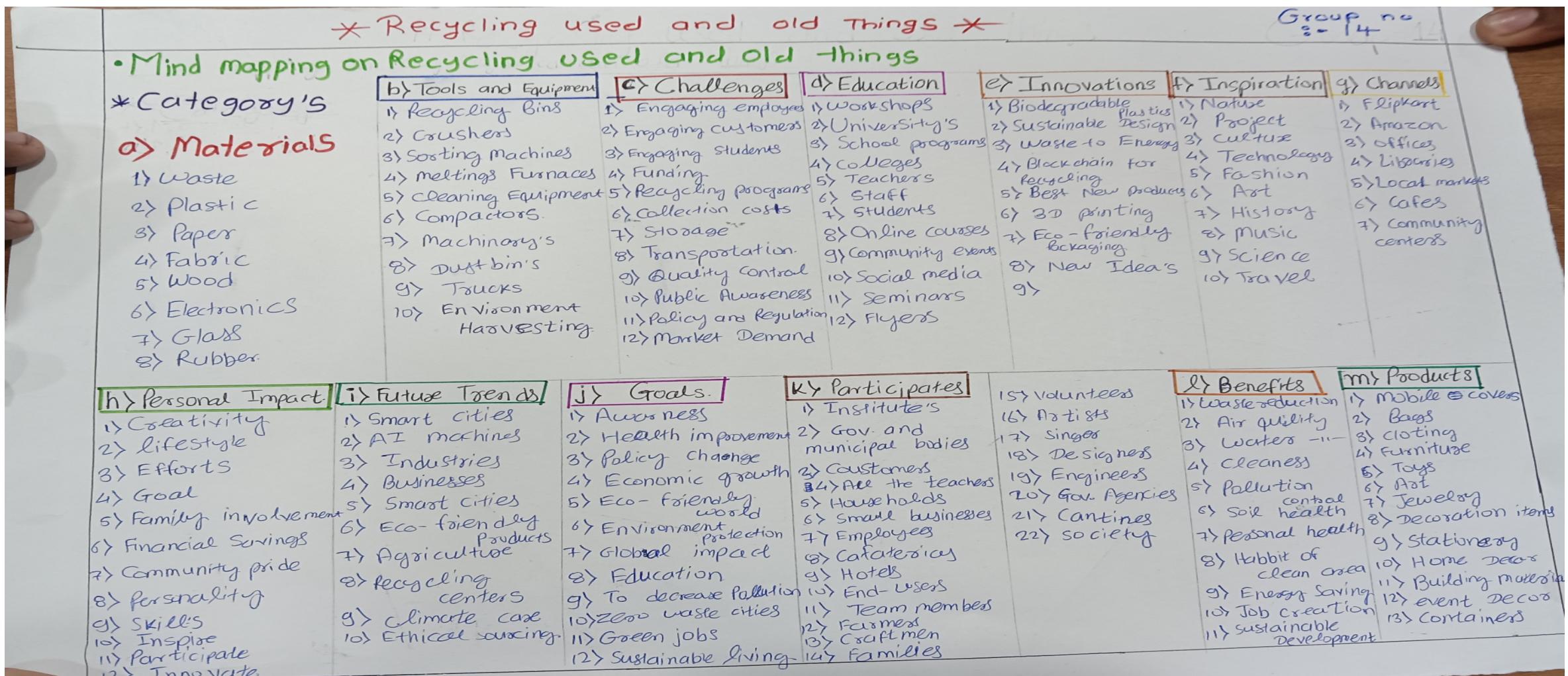
Samruddhi shows keen interest; however, at the same time, she has some doubts and fears regarding the project. She is worried about the technical complexities of building a solar panel and whether she will be able to finish the project on time. She is also concerned with her budget; whether she will be able to manage the project within her budget.

Aspirations:

Samruddhi wishes to be an engineer of renewable energy and help the development of sustainable energy solutions. Her aspirations are for the very near future when clean energy powers our home, industries, and minimizes the dependency on fossil fuels and effects of global warming.

Mind Mapping

The mind map highlights the importance of recycling used and old things focusing on various materials' environmental impact, future trends, goals, participation, innovations, degradation, and channels



5W1H Chart

W Materials and Collection Process	Sorting and Processing	Recycling Method	End Products	Marketing and Promotion	Partnership and Collaborations	Education and Awareness
<ul style="list-style-type: none"> Who is responsible for collecting Recyclable materials? Who is performing the Sorting and Process who is developing implementation? Who are the target consumers for Recycled products? Who partners the Recycle Project? Who are potential partners for recycling project? <p>What types of materials are recyclable? What are criteria used for sorting clothes? What are diff method for recycling clothes? What product can be made from recycled clothes? What channels are used for Promoting the Project? What types of the recycling products? What are topics included in education materials? Where are the material sent from? Where does the sorting & processing take place? When in the recycling process does sorting occur? Where are recycling processes carried out? What are products? Where can be partner ship be established? Where are education materials distributed?</p> <p>When the best time to collect these materials? Where in the focused on seasonal sorting occurs? Where were two drives to maximizes recycling method, donation, collection, distribution? When is these highest demand for recycled products? When are partnership typically established? When are Edu Program launched?</p> <p>Why? To Reduce waste, conserve Resources & Promote Sustainability by giving old materials a new life.</p> <p>Who are partners involved in recycling? Why is proper sorting crucial for effective recycling? Why are certain methods preferred over others? How is creating valuable end products important?</p>	<ul style="list-style-type: none"> The collection team or volunteers, who are trained to identify and collect Recyclable materials. The Project team or designated co-ordinators oversee logistics of collection. <p>Old clothes, fabrics and textiles that can be repurposed or recycled into new Product</p> <ul style="list-style-type: none"> The Project team, or designated co-ordinators, who oversee the logistics of collection. <p>Donation, thrift store and community collection drives, which provide a steady supply of materials.</p> <ul style="list-style-type: none"> Convenient location such as, community centre, Schools, or shopping malls. <p>Regularly with a focus on seasonal sorting, periodic collection drives to maximizes recycling method, donation, collection, distribution.</p>	<ul style="list-style-type: none"> Trained Staff or volunteers with expertise in textile sorting, who ensure materials are processed correctly. <p>A designated facility or warehouse with appropriate equipment where materials are stored and processed.</p> <p>Type, condition, color, and fabric content, which determine the best recycling.</p>	<ul style="list-style-type: none"> Research institutions, industry experts and innovation company which drives innovation and improvement. <p>Mechanical recycling, chemical recycling, upcycling, which offer various benefits and challenges.</p> <p>Specialized facilities or partner organization, with expertise in textile recycling which ensure efficient processing.</p>	<ul style="list-style-type: none"> Environmentally conscious consumers, Sustainable fashion enthusiasts, and individuals looking for unique fashion products. <p>New Clothings, accessories, insulation, and other textile-based products, which offer a range of offers.</p> <p>Online marketplaces, retail stores, through partnership with sustainable brands, which provide various sales channels.</p>	<ul style="list-style-type: none"> Marketing team Project co-ordinators Partnership organization Local community members <ul style="list-style-type: none"> Social media Online market places Email campaigns Retail Store 	<ul style="list-style-type: none"> Partner organization NGO's Local Government <p>Importance of Recycling</p> <p>Types of Recycling materials</p> <p>Environmental impact.</p>
<p>When are the best times to collect these materials? Where in the focused on seasonal sorting occurs? Where were two drives to maximizes recycling method, donation, collection, distribution? When is these highest demand for recycled products? When are partnership typically established? When are Edu Program launched?</p> <p>Why? To Reduce waste, conserve Resources & Promote Sustainability by giving old materials a new life.</p> <p>Who are partners involved in recycling? Why is proper sorting crucial for effective recycling? Why are certain methods preferred over others? How is creating valuable end products important?</p>	<p>Immediately after collection, to ensure efficient processing and minimize waste.</p>	<p>On going research and development with some method being more cost-effective than others, reflecting the evolving nature of Recycling Technology.</p>	<p>During peak shopping seasons, holidays, and special events, when consumers are more likely to seek sustainable options.</p>	<ul style="list-style-type: none"> Product launch Environment Awareness Community events 	<ul style="list-style-type: none"> Local Business Eco-Friendly Boutiques Community market and Fairs Partnership with Brands 	<ul style="list-style-type: none"> School and University Online Platform
<p>When are the best times to collect these materials? Where in the focused on seasonal sorting occurs? Where were two drives to maximizes recycling method, donation, collection, distribution? When is these highest demand for recycled products? When are partnership typically established? When are Edu Program launched?</p> <p>Why? To Reduce waste, conserve Resources & Promote Sustainability by giving old materials a new life.</p> <p>Who are partners involved in recycling? Why is proper sorting crucial for effective recycling? Why are certain methods preferred over others? How is creating valuable end products important?</p>	<p>To ensure materials are processed correctly, maximize their value, and minimize waste.</p>	<p>Depending on the type of material, desired output, and environment impact.</p>	<p>The close the recycling loop, reduce waste and promote a circular economy.</p>	<ul style="list-style-type: none"> Raises Awareness Attracts customers Builds community engagement. 		

Main Key

project aims to promote recycling of used and old things, focusing on various materials, environmental impact, future trends, goals, participation, innovations, degradation, and channels.

Q: Who is affected by the problem of not recycling used and old things?

A: The environment, individuals, communities, and future generations are affected by the problem of not recycling used and old things.

Q: What is the issue with not recycling used and old things?

A: The issue is the waste and pollution caused by not recycling, which harms the environment and depletes natural resources.

Q: Where does the problem of not recycling used and old things occur?

A: The problem occurs globally, in various communities, and in individual households.

Q: When does the problem of not recycling used and old things occur?

A: The problem occurs daily, as people discard used and old things without recycling them.

Q: Why is it important to recycle used and old things?

A: Recycling used and old things is important because it reduces waste, conserves resources, saves energy, and ultimately contributing to a more sustainable environment.

Q: How can we promote recycling of used and old things?

A: because we are using using recycling used and and create our product will be phone cover and any new product

BRAINSTROMING AND IDEATION

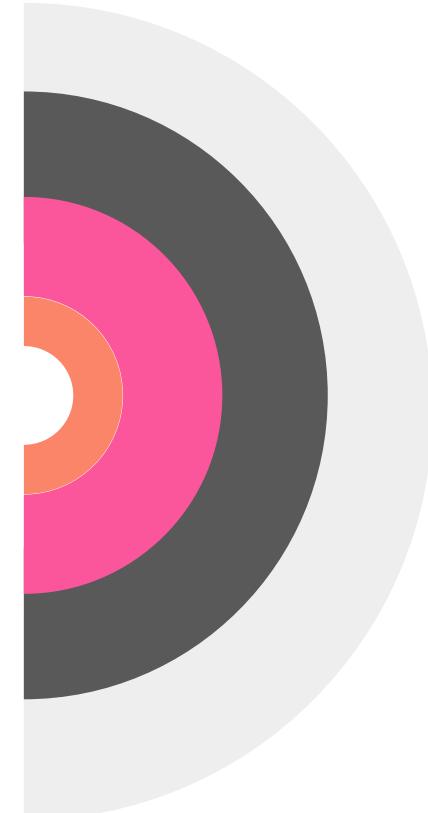
"After 5 years, we are making app will be the go-to platform for users to express themselves.

1. User-centric Design

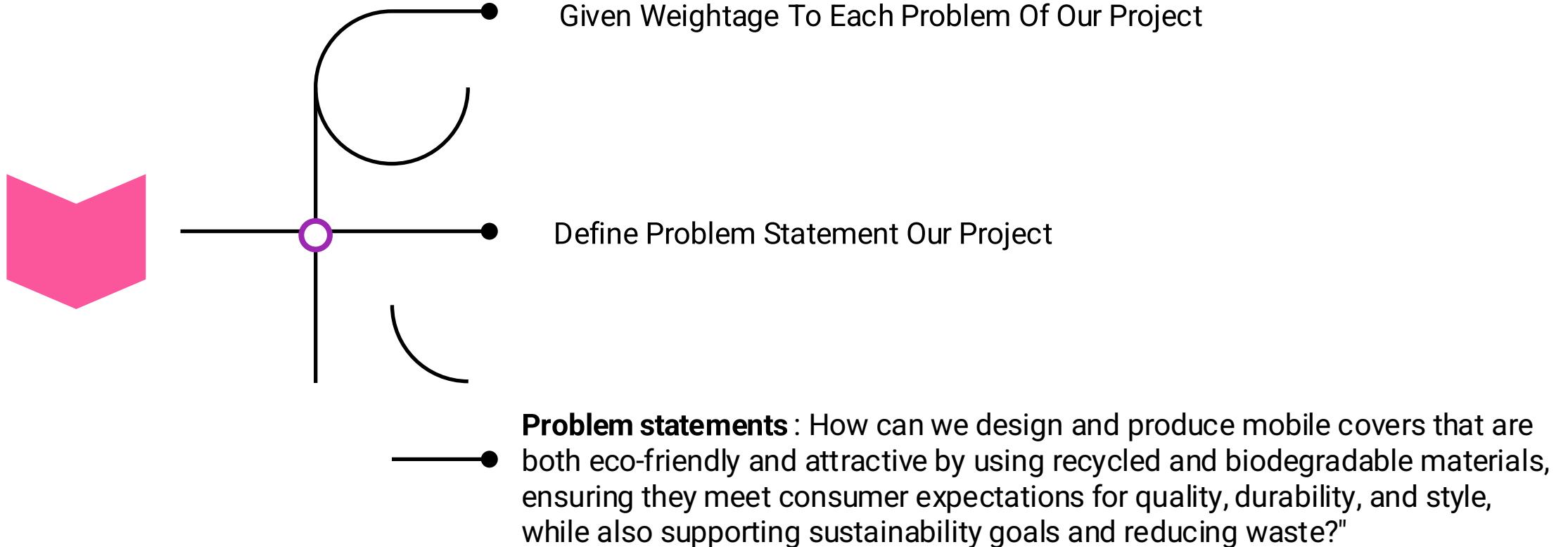
- Develop an intuitive and user-friendly interface that allows users to easily design and customize phone covers and other items.
- Incorporate features that enable users to upload their own designs, images, or text.
- Consider integrating AI-powered design tools to assist users in creating unique and personalized designs.

2. CUSTOMIZATION OPTIONS

- Offer a wide range of design templates, patterns, and colors for users to choose from.
- Allow users to customize the layout, font, and style of their designs.
- Consider integrating 3D visualization tools to enable users to preview their designs in real-time.

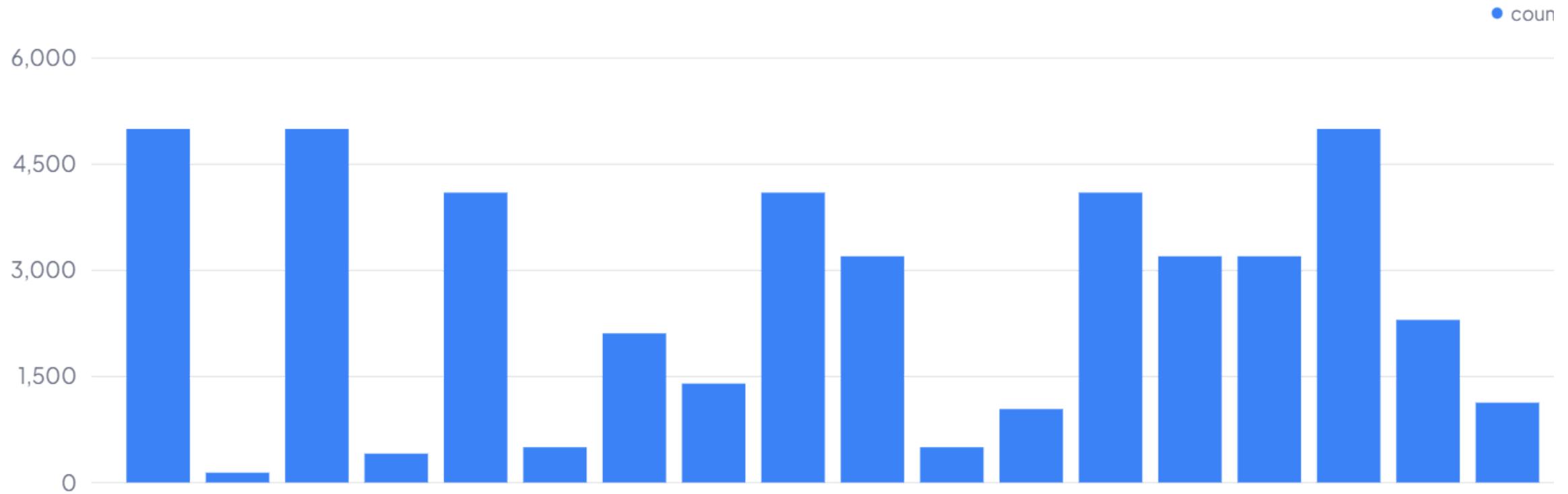


Theory Of Prioritization

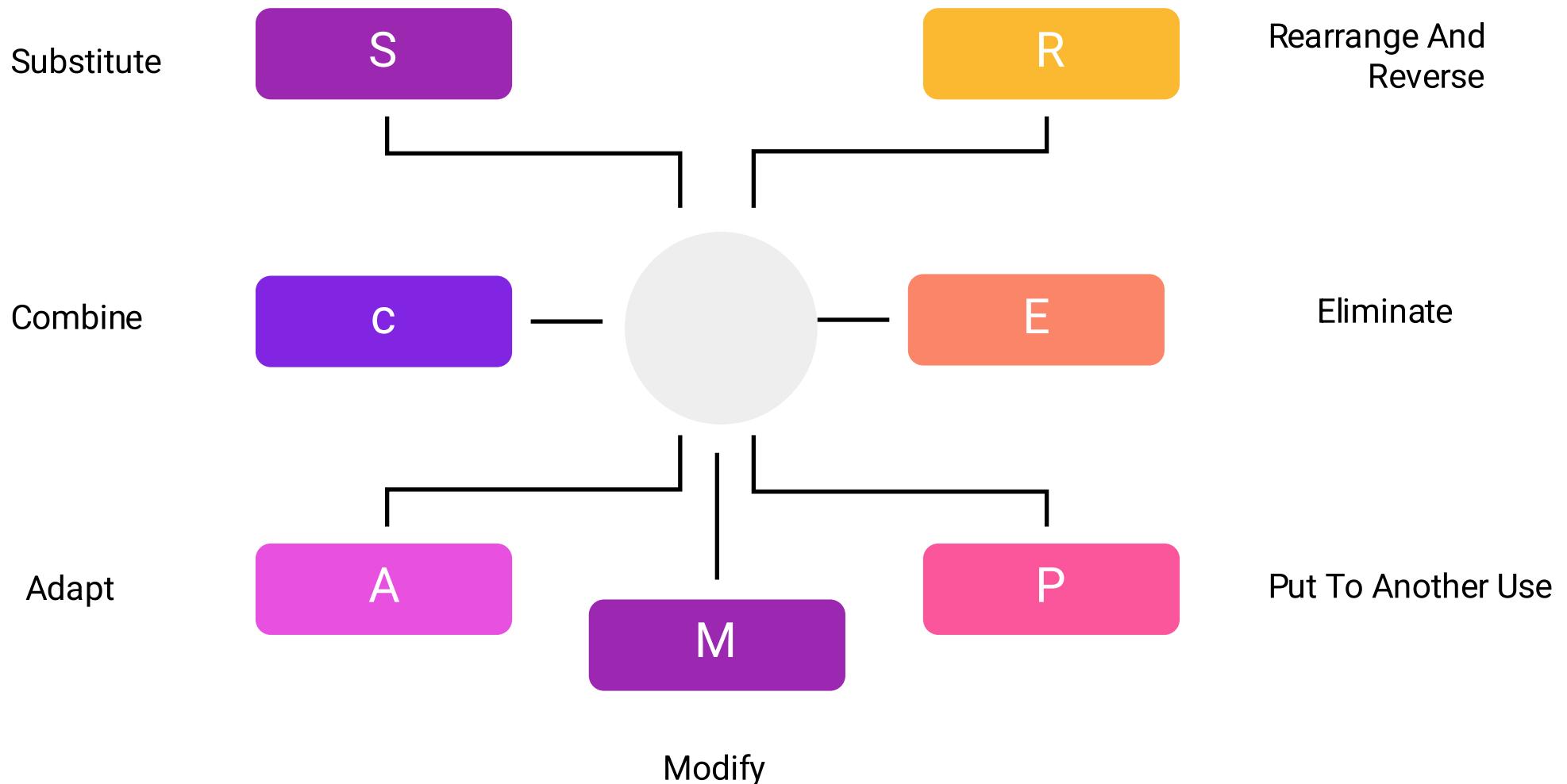


Name	Count
Recycling Efficiency	5000
Upcycling Waste Materials	140
Community Composting Programs	5000
Disposal Options for Solar-Powered Mobile Covers	410
Sustainability Contribution of Solar-Powered Mobile Covers	4100
Incorporating Compostable Materials in Mobile Cover Design	500
Recycling E-Waste Mobile Covers	2110
Repurposing Parts from Discarded Vehicles	1400
Useful Components from Old Vehicles	4100
Scaling Urban Mining Processes	3200
Applying Natural Principles to Mobile Cover Design	500
Stylish Design with Recycled Materials	1040
Sensor Integration in Mobile Covers	4100
Communicating Value of Sustainable Mobile Covers	3200
Transparent Material Sourcing System	3200
Balancing Sustainability with Aesthetics	5000
Salvaging Discarded Clothing in Landfills	2300
Resource Recovery from Old Photo Albums	1130

Graph Of Theroy Of Prioritization



Scamper Tool



In Scamper Tools We , Have Use Modify ,Elimination and Rearrange

1]Substitute:-

- we will substiule traditional phone case with solar powered phone cover.
- we can replace batteries with renewable Energy source.

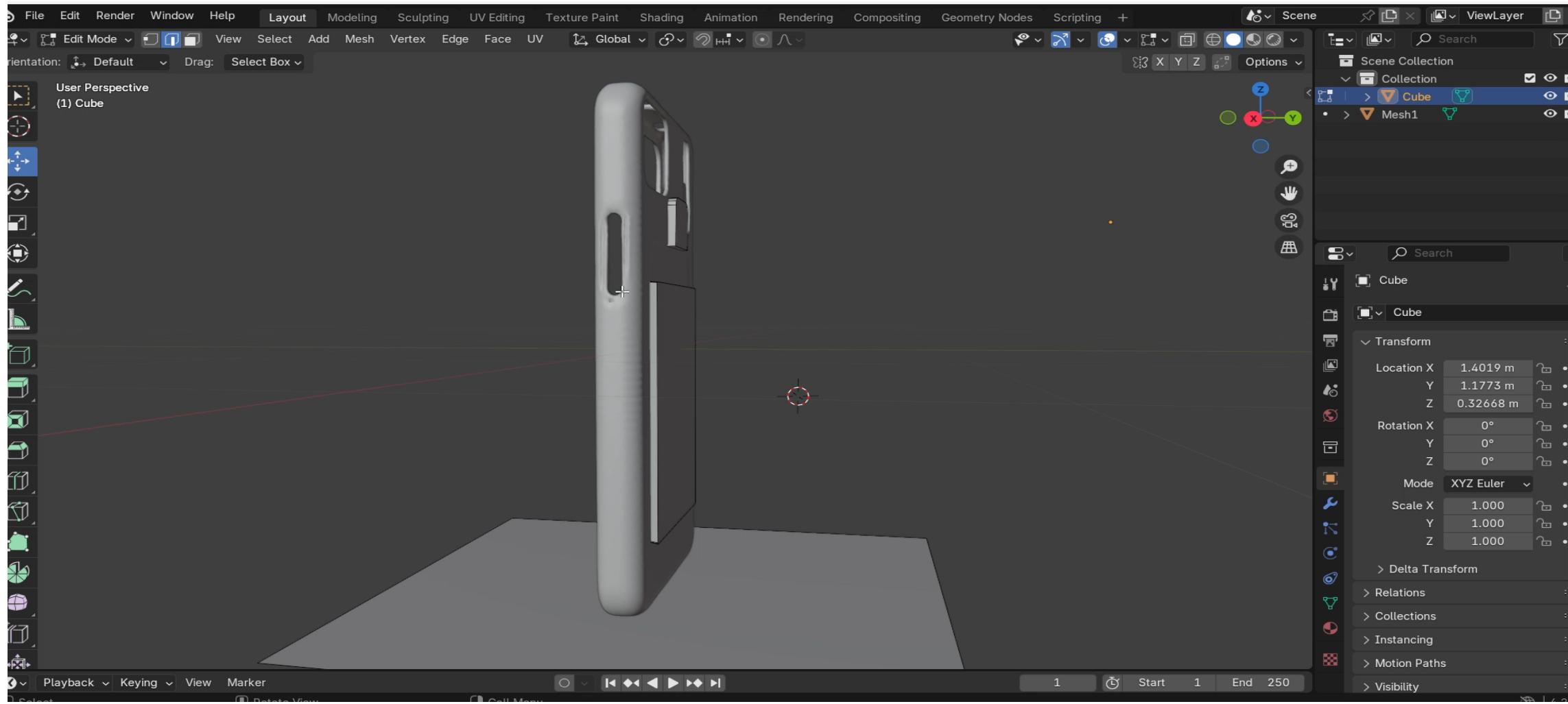
3] Eliminate

- we can eliminate charging ports by fully relying on solar energy or wireless charging.

2]Modify

- In modify we will Improve the efficiency. of solar panel to generate more power.
- modify the size of the solar panel to be more sleek. by applying thinner panel will help mobile cover more user friendly.

Project Management Infographics

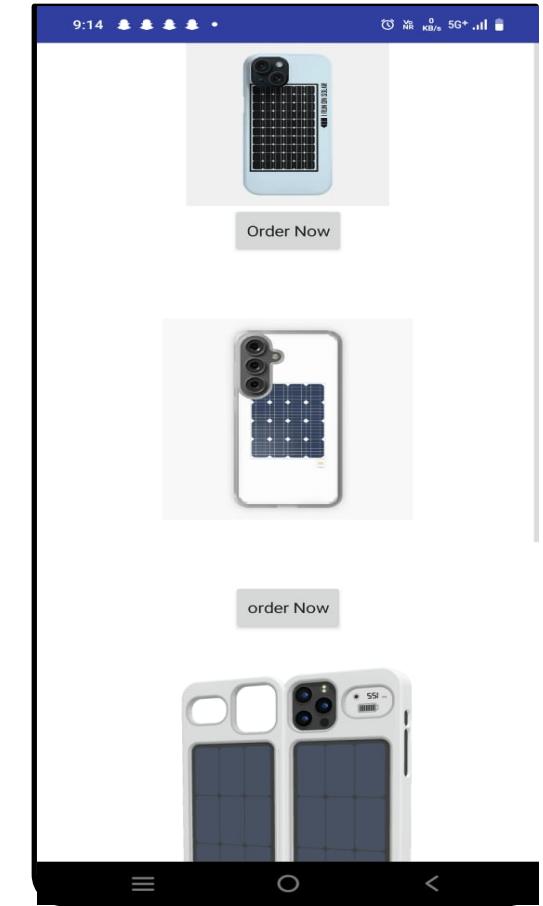


App Prototype

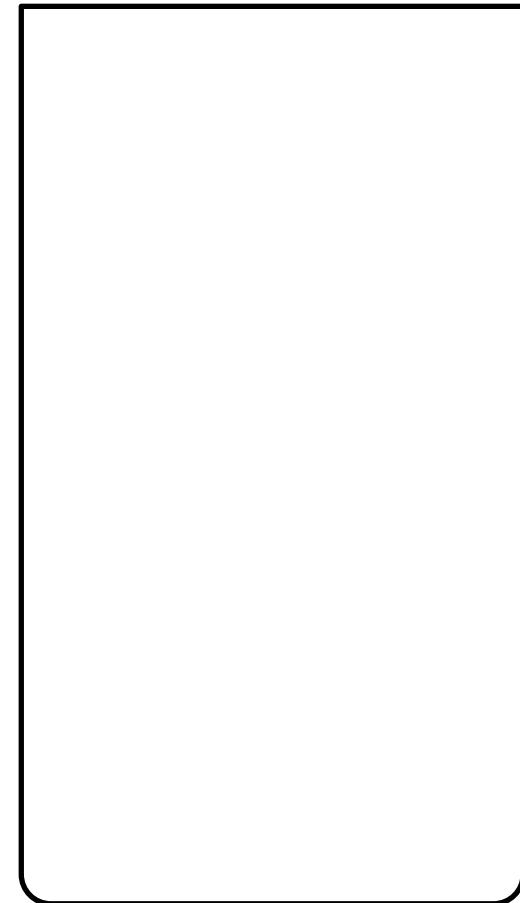
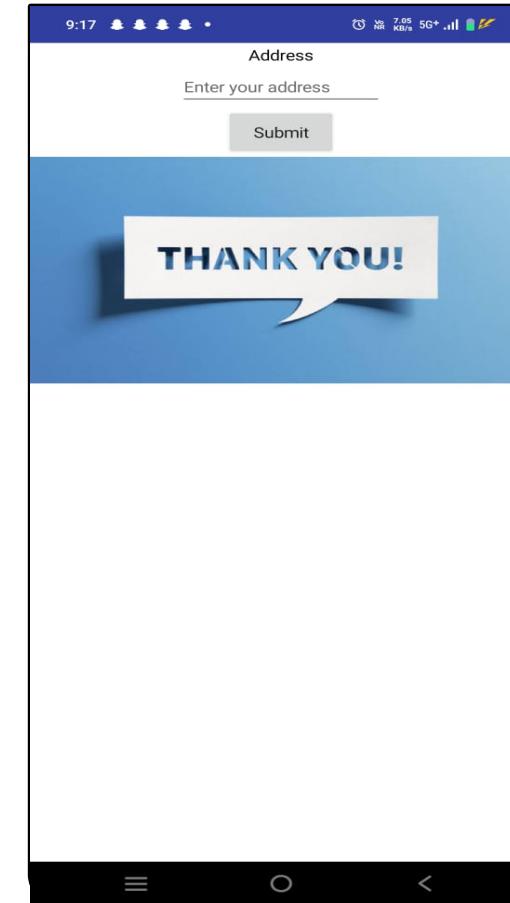
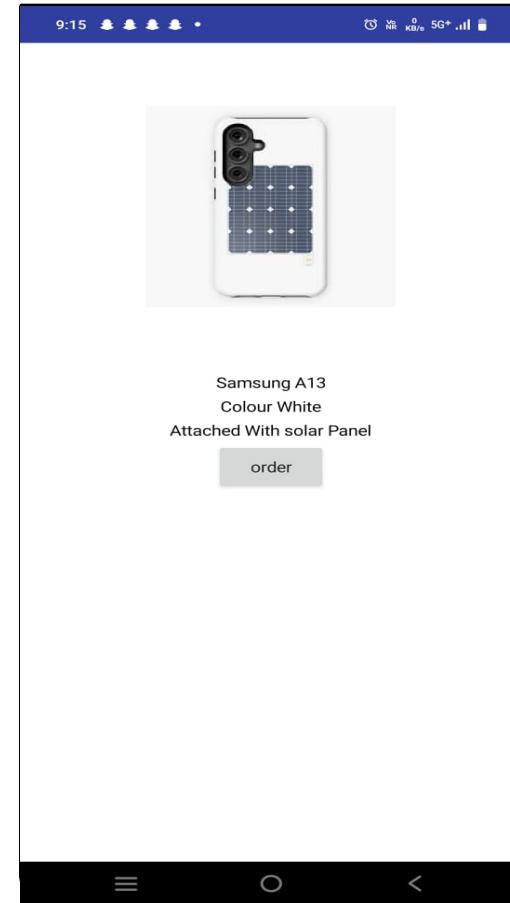


This screen shows a form with four text input fields labeled "Full Name", "phone NO", "Email", and "passwords". Each field has a placeholder hint: "Hint for TextBox1", "Hint for TextBox2", "Hint for TextBox3", and "Hint for TextBox4". Below the fields are two buttons: "sumbit" and "Back".

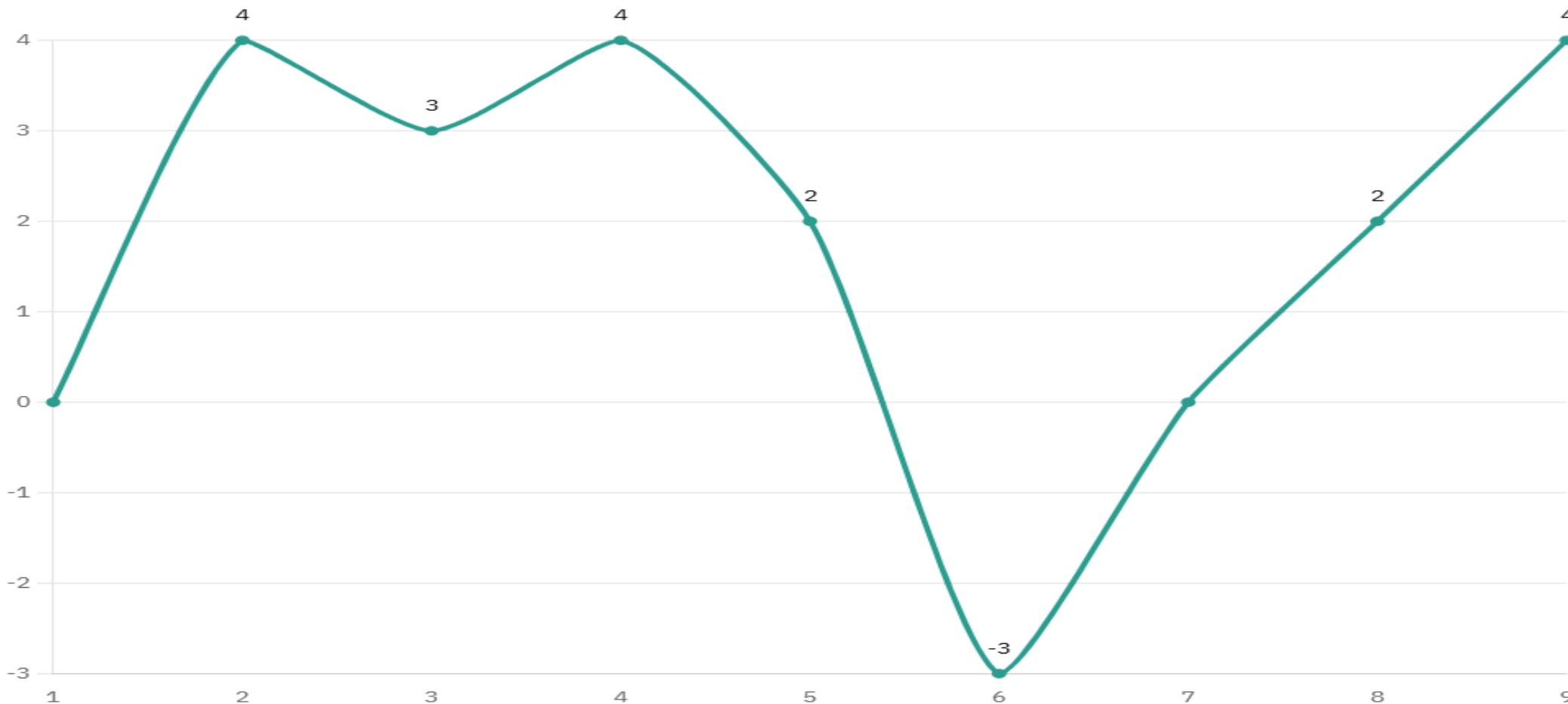
This screen shows a form with four text input fields labeled "username", "password", and two hints: "Hint for TextBox1" and "Hint for TextBox2". Below the fields are three buttons: "Sumbit", "forget password..?", and "Create Account".



App Prototype



Journy Map Student



Event

Event 1

Sudent Know how to use app

Event 2

The Sudent See That Features are less in app because it is not completely ready. It remains to add thinks.

Event 3

Student Will Have done login page.

Event 4

Then next there is username and password

Event 5

Then there is page of select type of mobail cover desing .

Event 6

Then We find limited desing of Mobail Cover.

Event 7

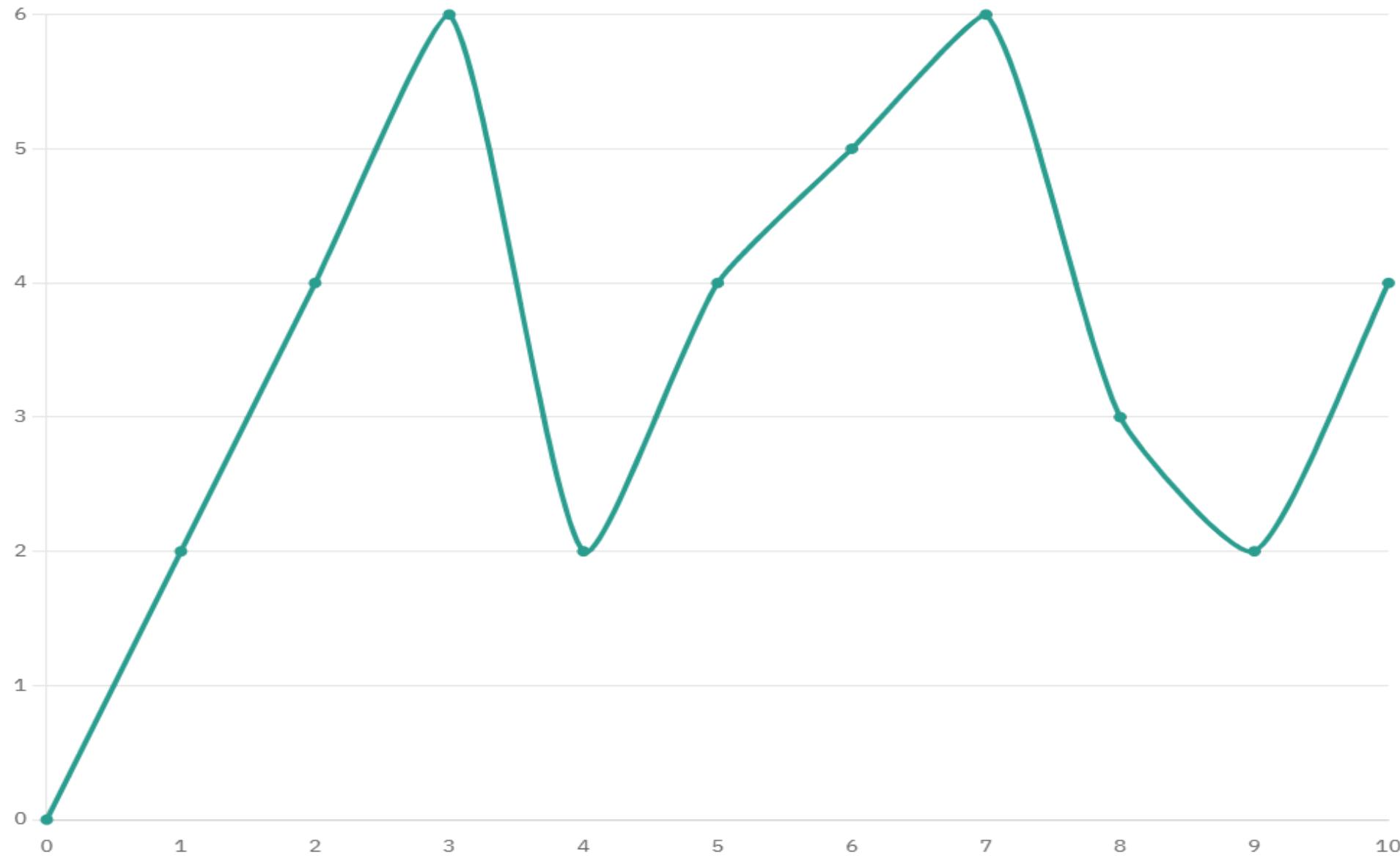
User Click On payment button .

Event 8

While Doing Payment There Is multiple option phone pay and paytm.

Event 9

When Payment is done , order will be successful



Event

Event 1

He Know about the app

Event 2

He visiting the Mobile app.

Event 3

He is doing process for loginn in app.

Event 4

First time he failed again he tried

Event 5

Then he know how to login .

Event 6

After Some time it has been successfully login.

Event 7

Then he saw page of select type of mobile cover design .

Event 8

It was limited desing of mobile cover.

Event 9

He was searching the desings of Mobile cover

Event 6

He Want to buy Products.

Thank You...