GradHack - Week 2 Pt.2: Refine

Agenda

STEP 1
- Iterate upon your first sketch by creating a more detailed sketch or wireframing of your solution.
- Sketch on paper and take a photo (right-click on the Mural Board to upload the image file), or use open-source wireframing tools (i.e. Powerpoint, Invision, Keynote, etc.) to create a digital version.
  - A wireframe is an image or set of images which displays the functional elements of a website or page, typically used for planning a site's structure and functionality.
- Finally, title your solution sketch and get creative with it! This helps keep anonymity when you begin to provide feedback for each other.

STEP 2
- Present your updated concept back to your team for feedback.

STEP 3
- Present your wireframes for informal feedback to people outside of the hackathon team. This could be mentors you know well or even colleagues not related to the project.
- Use Mural's voting tool to vote silently on wholes solutions or certain parts (go to https://mural.co/superpowers to learn more on how to vote).

STEP 4
- Consolidate your solution sketches into one by merging similar features and taking the best parts from each others' solutions. This will act as the focus of your team's product storyboard (Refer to Example 2.2 to see a storyboard) that you will take forward to prototype.

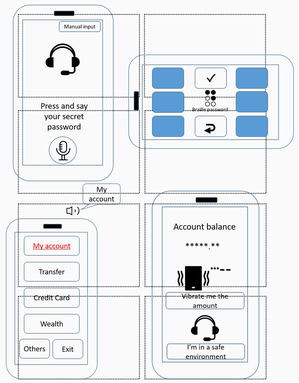
1 STEP 1: SKETCHES 2

Iterate upon your first sketch and provide more context by creating a detailed sketch or wireframing of your solution.

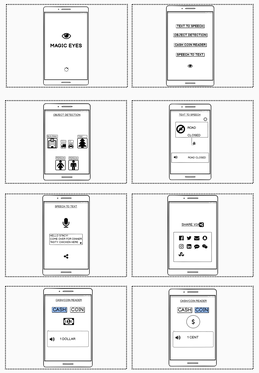
Sketch on paper and take a photo, or use wireframing tools to create a digital version.

Place the images in your column to the right.

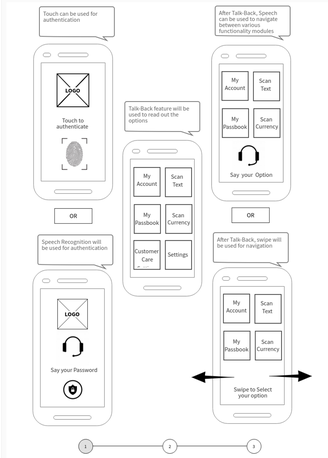
SOLUTION SKETCH 1



SOLUTION SKETCH 2

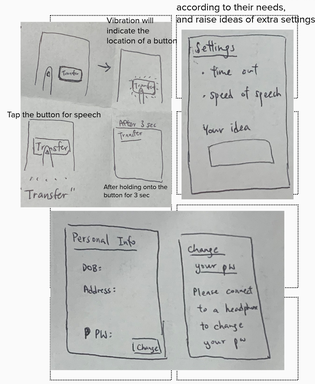


SOLUTION SKETCH 3



SOLUTION SKETCH 4

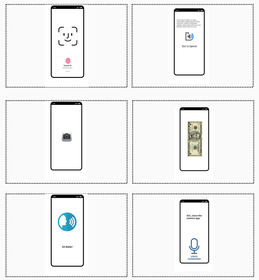
Uses are free to personalise their setting according to their needs, and raise ideas of extra settings



If the user want to access and change e.g. personal information, a headphone must be inserted

SOLUTION SKETCH 5

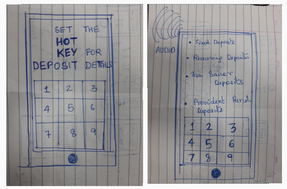
1 tap function!



Users can utilize the speech commands to interact with the device. General things like detecting currency are easily realizable.

The user can also listen to the text available on the screen via text to speech. Authorization can work via face ID or Touch ID

SOLUTION SKETCH 6



2 STEP 2: TEAM FEEDBACK

Present your updated concept back to the whole group for feedback.

Capture their main points in the space to the right.

Which of the features above fit well with your overall solution and how can some be expanded upon?

I like the emergency feature

I don't understand how are you planning to use braille because it uses engraving that needs to be felt with the hand. It cannot be felt on touch screen.

Big buttons are good for the users

Great idea of usign the moscode

Ensuring the user is in a safe environment is vital. Can be used as security measure.

Braille password? Smart!

There are some issues with the speech to text function. Sometimes Google Assist having a mistake and changed it to something else.

AND Remove one-one processing APIs for voice

I like the cash reader idea.

I like the black and white contrast color

What is magic eye? For movement control?

AND Magic eyes is just a name we made up. It is suggested to the app

Some functions are not clear. Example: object detection

AND We can swap functionalities and combine feature. Example: object detection and movement management.

Love how basic the app is, no complexity helps the user!

Speech to text or vice versa seems like a common theme!

Swiping instead of choosing a button is a good idea

Will the current option be read when user swiped?

Not all phones have Touch ID

If you are planning to use voice based authentication api from google, remember that it is not that secure because the phone unlocks even if someone tries to copy someone else's voice. I would go for biometric.

Speaking the password instead of pressing buttons is smart!

Touch authentication is great! Can use face id as authentication too.

How to implement extra settings that user raises?

It is better to make the option buttons bigger than use vibration for button locating.

I don't think detecting currency is that easy. Additional steps have to consider dirty notes and coins.

Solution sketch 2 already has most of these functionalities.

I believe that it is important to have applications that are uber easy to use for blind customers.

how is this different from phone banking? you can just call at a toll free number and an automated voice provides all the above mentioned services. HSBC also has phone banking enabled.

I think there is no need to provide 9 hotkeys

3 STEP 3: EXTERNAL FEEDBACK

Present your wireframes for informal feedback to people outside of the hackathon team. This could be mentors you know well or even colleagues not related to the project.

Indicate insights on your solution from external people on the right.

You can combine several biometric authentications for enhance security. (e.g. Face + Voice for login)

For password or numbers input, you can combine it with a number matrix with 9 patterns so that it would be difficult for others to understand

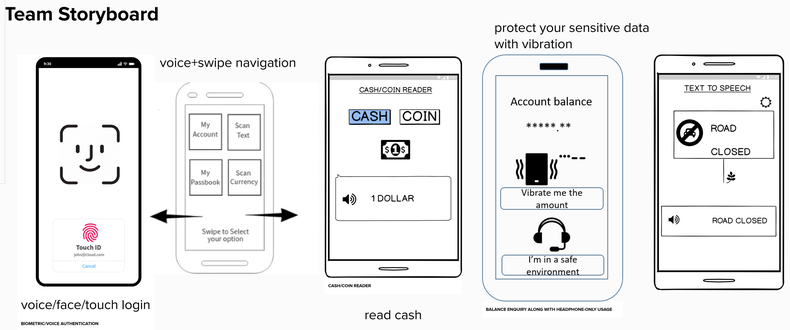
4 STEP 4: UPDATE & MERGE SOLUTION

Update your sketches with all internal and external input.

Consolidate your solution sketches into one by merging similar features and taking the best parts from each others' storyboard that you will take forward to prototype.

Place the updated images to the right to make them visible to the whole team. Your team storyboard should be a low fidelity prototype of your product/solution. (Refer to Example 2.2 to see a storyboard)

Visual guidelines

1)Big buttons
2)High contrast/distinct color

Team Storyboard