

TEAM INTRODUCTION



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OUR PROBLEM

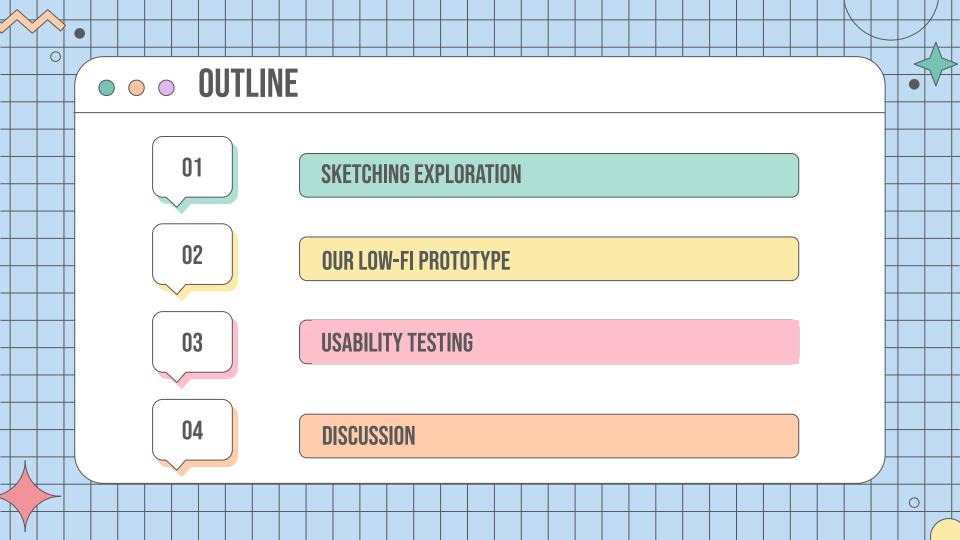
When we reminisce about our old memories, we want to remember the emotions we felt in those moments.

Current tools exist to help document our memories (ex: 2D photos), however, it's still difficult for people to fully revisit and re-experience the emotions they felt.

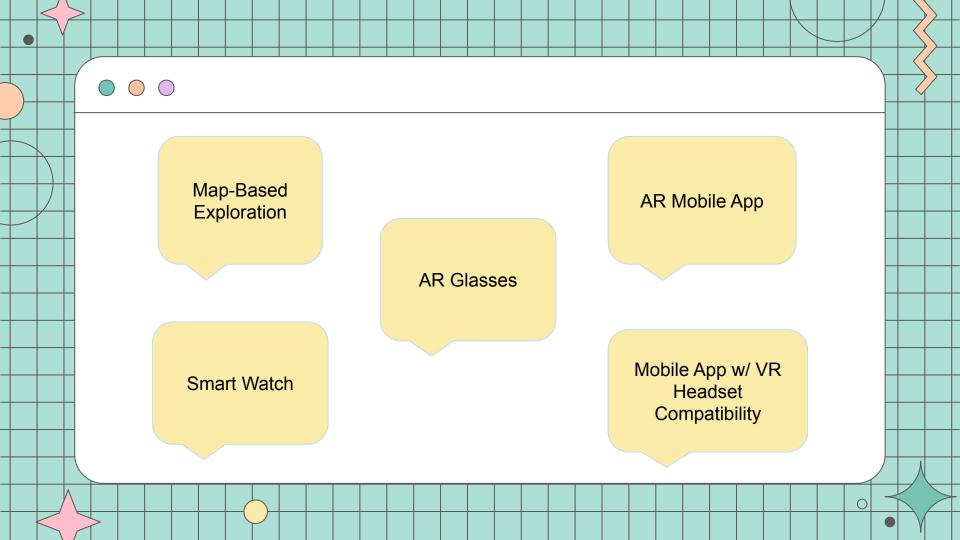
Our solution?



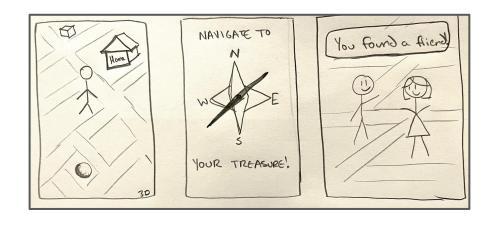
"Treasure your memories"

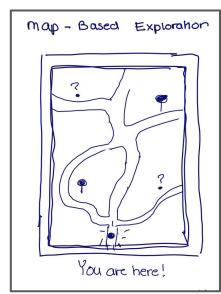




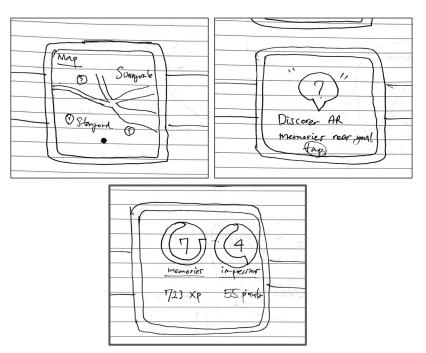


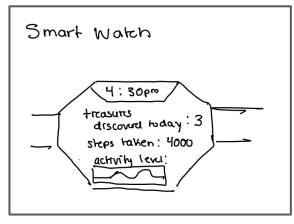
MAP-BASED EXPLORATION



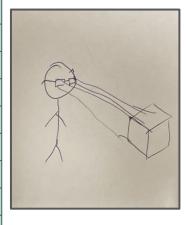


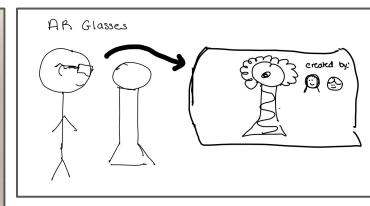
SMART WATCH

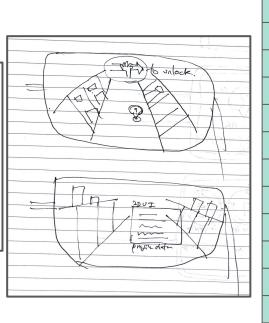




• • • AR GLASSES

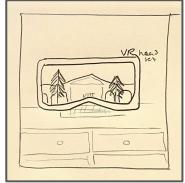


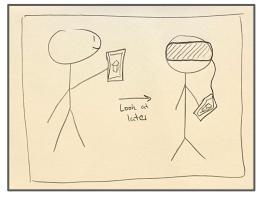


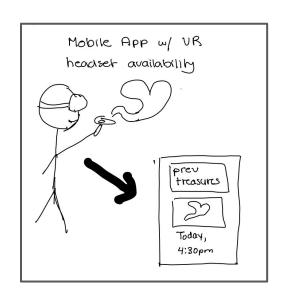


• • • VR HEADSET

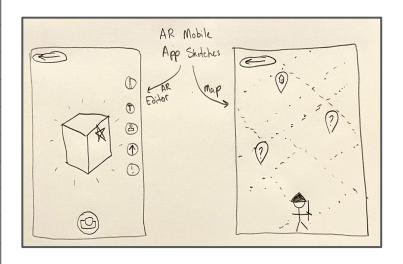


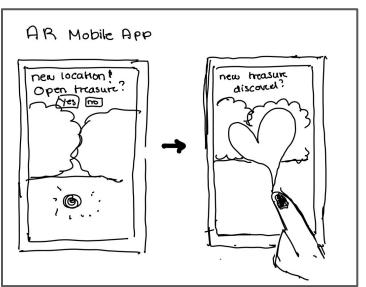


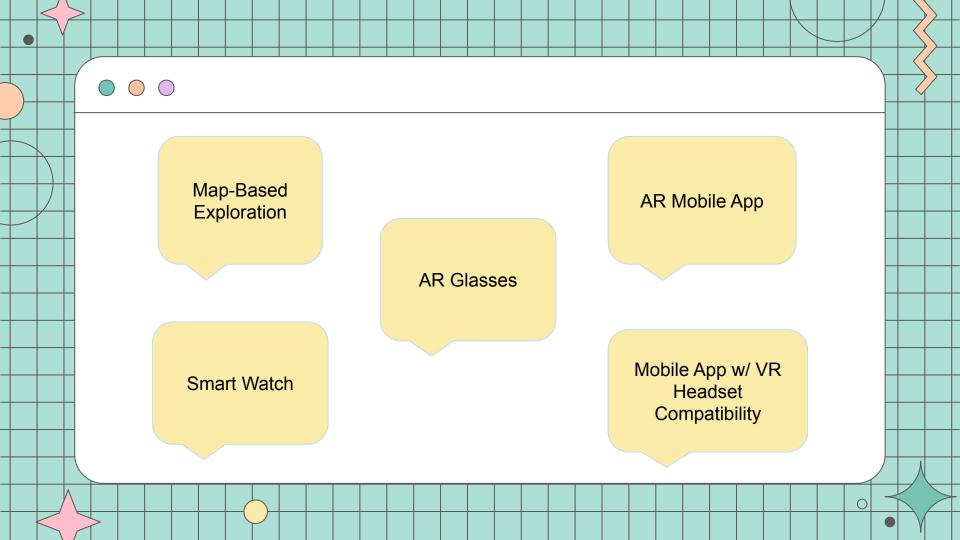


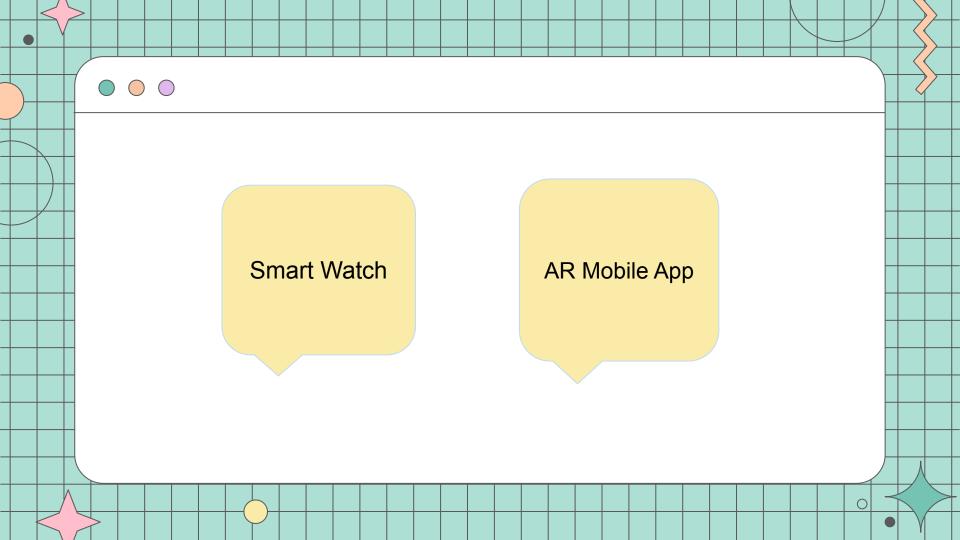


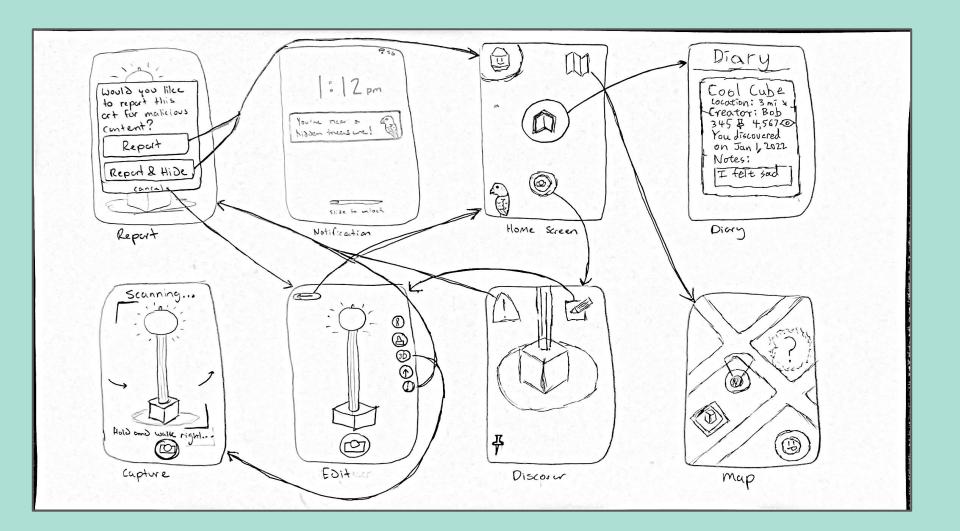
• • • AR MOBILE APP

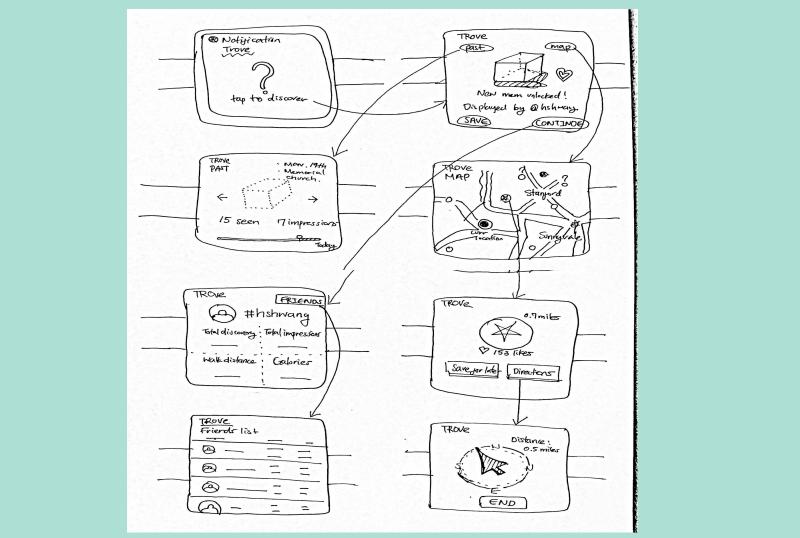












SMART WATCH

PROS

Easy to wear; portable

Encourages mobility; can capture mobility measurements

Users are familiar with using wearables

Simple integration of map/navigation and notification system

CONS

Small screen makes it difficult to include critical features (ex: drawing on/editing an AR piece, scanning in an object)

Integration of AR + Smart Watch isn't common

AR MOBILE APP

PROS

Most people have mobile devices

Ability to integrate map and notification system

Quick access to view logged art/memories

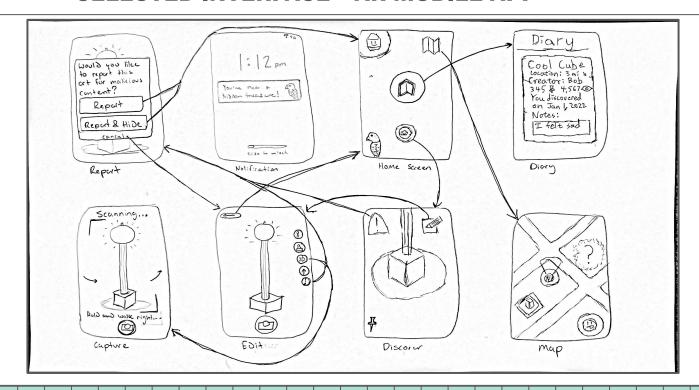
Encourages spontaneity to explore environment; can implement more interactive elements

CONS

Not all phones support AR

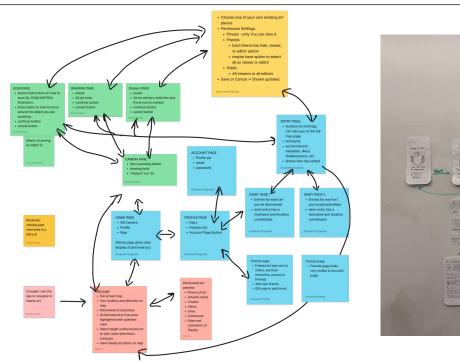
Smaller screen makes it difficult to edit AR pieces

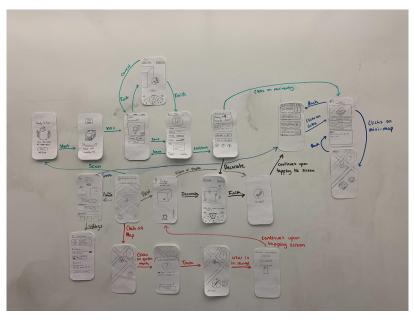
SELECTED INTERFACE - AR MOBILE APP





PROTOTYPE CONSTRUCTION





FEATURES AND INTERACTIONS

Map - Shows user location and AR pieces (i.e treasures) nearby, both discovered and undiscovered

Social Network - Add your friends and access treasures they've liked or created; share location of treasures you've created with your friends

Diary (i.e Trove) - Records all of the pieces you've created or discovered. Each entry has a name, location coordinates, description, and view/edit permission settings

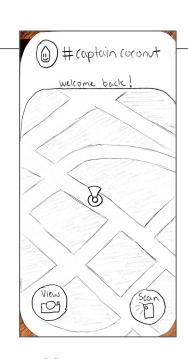
Camera/Decoration Page - Scan in objects from the real world to create your own treasure. Draw or add stickers to decorate.

TASKS

Simple: Create your own treasure via scanning in a real-world object.

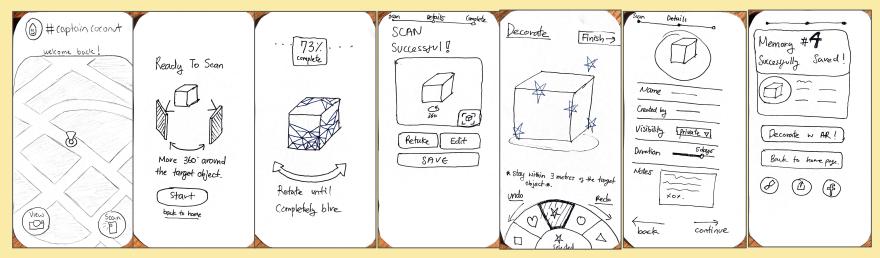
Moderate: Find a past treasure you created and edit the description.

Complex: Locate an undiscovered location nearby and save it



Homepage

SIMPLE TASK



User starts at the homepage. Presses the scan button

Scanning instructions + prompts user to start

Progress bar of scanning

Scan is successful; Options to edit, retake or save

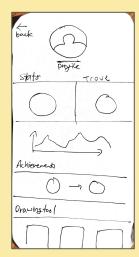
Decorating page where user can add stickers to scanned object

New entry log to set visibility and description New entry saves directly into the Trove

MODERATE TASK



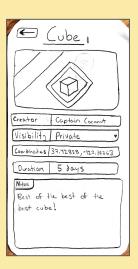
User starts at the homepage. Presses the profile page at the top.



Profile
appears. To
access past
entries, user
clicks on
Trove.



Log of collected treasures. Click most recent memory at bottom



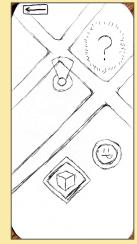
Entry details. User can edit the description.



Once done editing, the treasure is saved again.

COMPLEX TASK

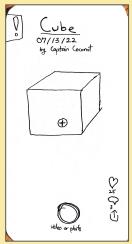












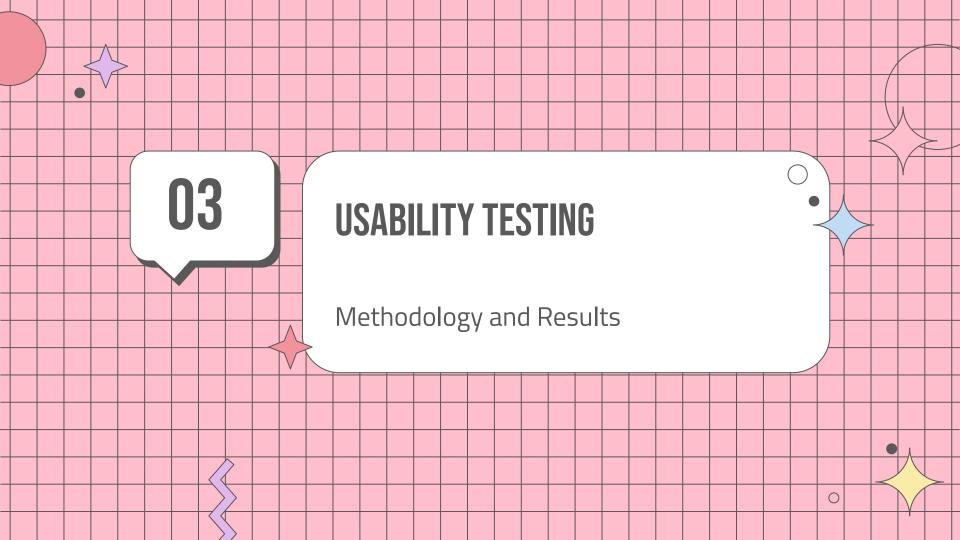
User starts at the homepage. Presses the view button.

Map with nearby locations shown. Click on unknown treasure

Info card of unknown treasure pops up. To locate, user presses track Compass
and distance
counter
leads user to
location

Once near unknown treasure, wave your phone to uncover it

Object is discovered; User has option to save and edit new treasure.



TARGET AUDIENCE

- 1) People who are artists or interested in viewing art
- 2) Teens, Young Adults, and Millenials most familiar with social media apps

Goal: Find younger participants who are engaging with art/architecture around them

• • • PARTICIPANTS



Name: Claire

Age: Young Adult

Cantor Arts Museum visitor



Name: Alex

Age: Young Adult

Uni Student interested in Product Design



Name: Yeulige

Age: Young Adult

Tourist visiting Stanford's campus



Name: Julio

Age: Young Adult

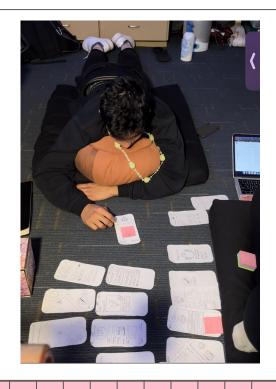
Photographer, Heavy Snapchat user

USABILITY GOALS AND KEY MEASUREMENTS

- 1) Efficiency How seamless was it to navigate our tasks?
- 2) Pleasurable Did the participants enjoy the experience?

Values in mind: Creativity/Creative Expression, Mobility, Safety

• • • TESTING PROCEDURE





KEY FINDINGS - SUCCESSES

Overall, UI was simple and intuitive

Map and "treasure hunting" aspect was enjoyable

Customization of your created treasures made it more personable

KEY FINDINGS - FAILURES

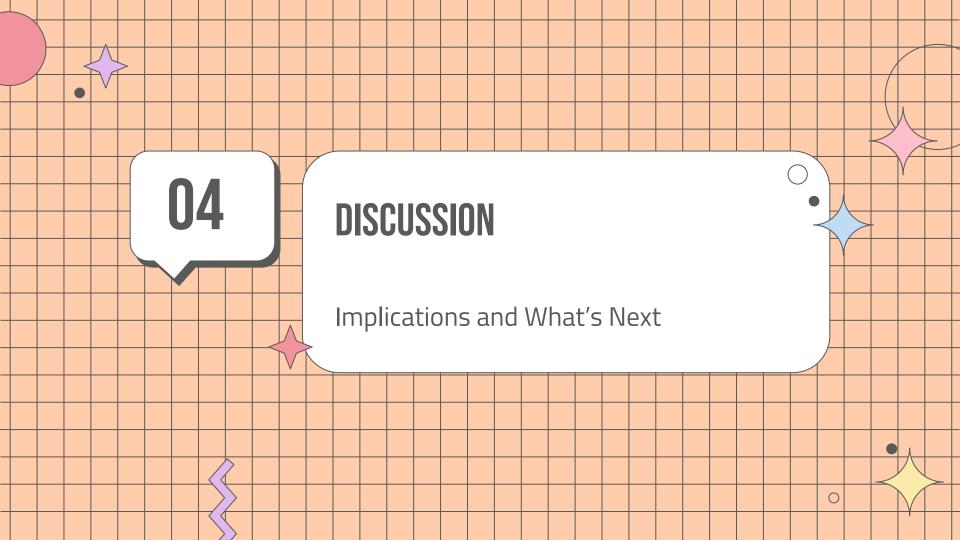
Confusion on the purpose of our application

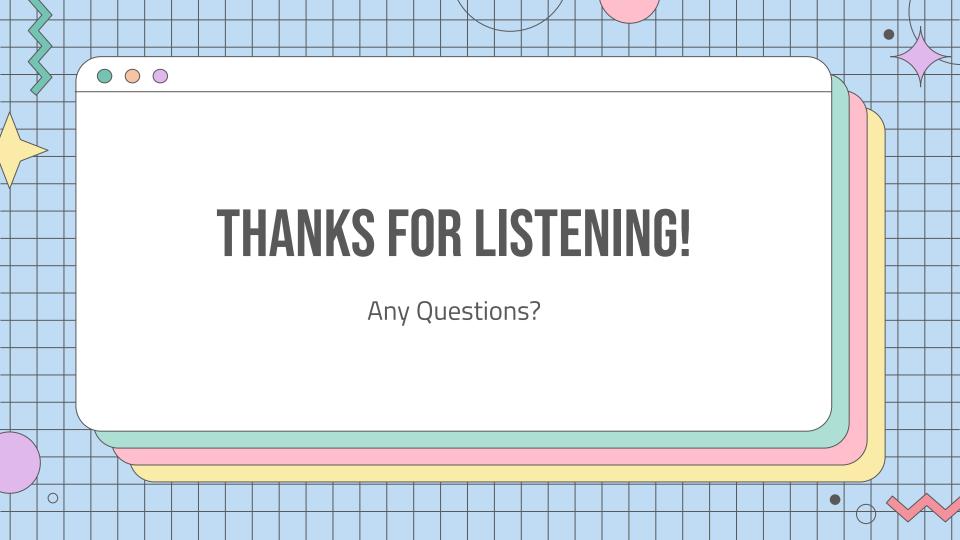
UI of Decoration Page was difficult to use

Accessing the Trove felt too cumbersome

Some critical UI icons didn't make sense (ex: Profile icon, Compass)

Mistakes in scanning in an object





APPENDIX

Pros and Cons List <u>here</u>

Script for Testing <u>here</u>

Log of Critical Incidents <u>here</u>

Sketching Report <u>here</u>

Consent Forms <u>here</u>

Icons created by Freepik from <u>Flaticon</u>