

# Portfolio

Precious Stowers

# Welcome, make yourself at home!

Let me introduce myself.

I'm Precious Stowers! I'm a current Junior at the University of Washington majoring in Informatics with a double concentration in Data Science and Human-Computer Interaction, with an intended writing minor.

I enjoy exploring intersectionalities within society that has yet to be fully explained and/or discovered. A way I explore these intersections are through analyzing, designing and writing. This allows me to create a genuine and equitable story for those who have been told to be silent.

Sit back. Grab a cup of coffee (or tea) and I hope you enjoy your stay :)

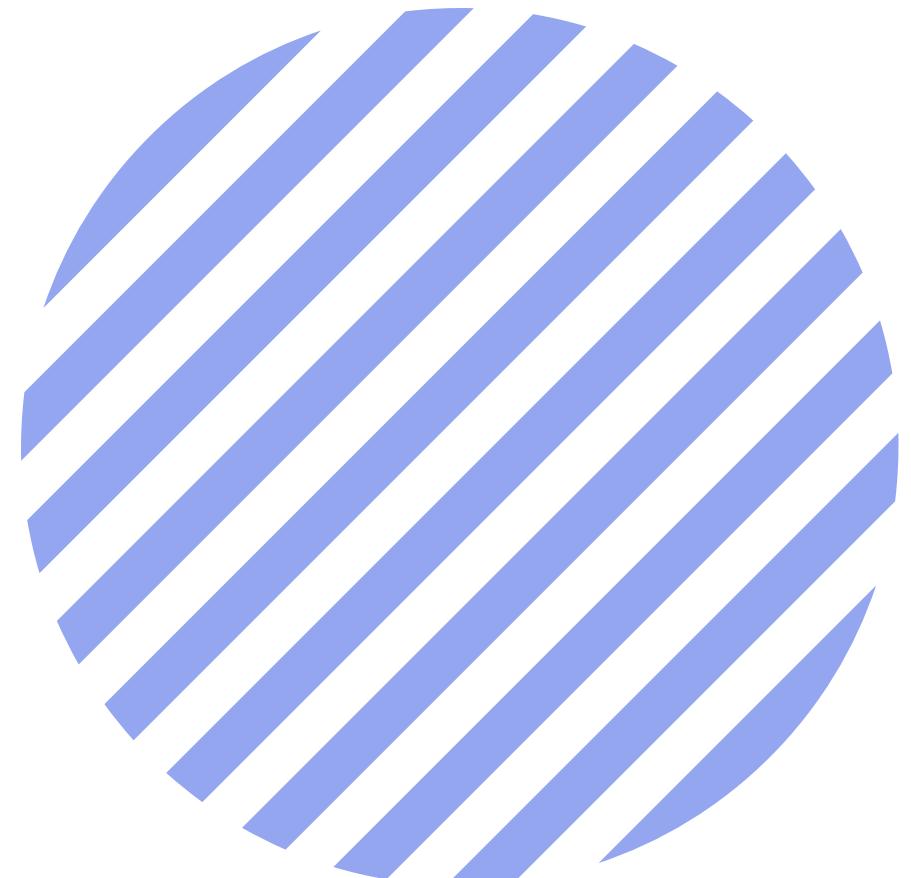
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# Meet Grid,

A mobile map design to help increase indoor and outdoor physical accessibility information at the University of Washington Campus



## Setting/Time:

A total of 12 weeks with 4-8 hours per week for my INFO360 Design Methods class

## Purpose

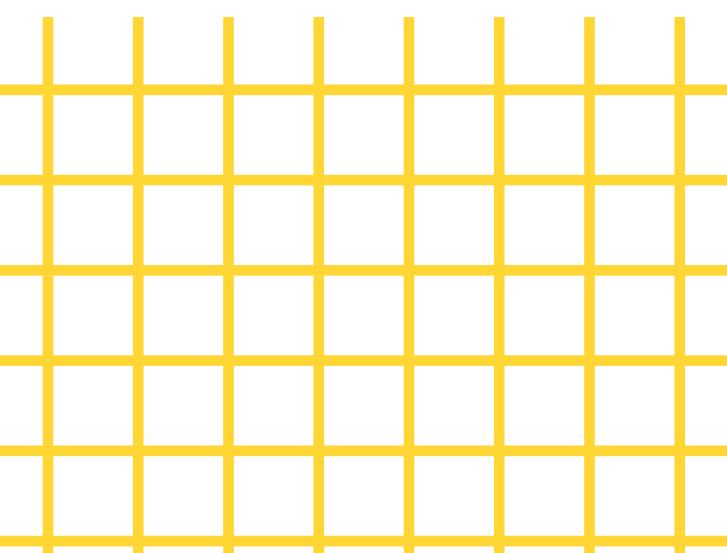
To increase awareness about physical accessibility options throughout campus and to decrease planning time trying to find these features

## Audience

Users who identify having a mobility disability  
Current college students at the University of Washington  
Users Visiting the University of Washington for the first time

## Impact

Users who identify having a mobility disability do not have to spend excessive amounts of time talking to other people to learn about accessibility options and they can be more prepared when traveling around UW campus

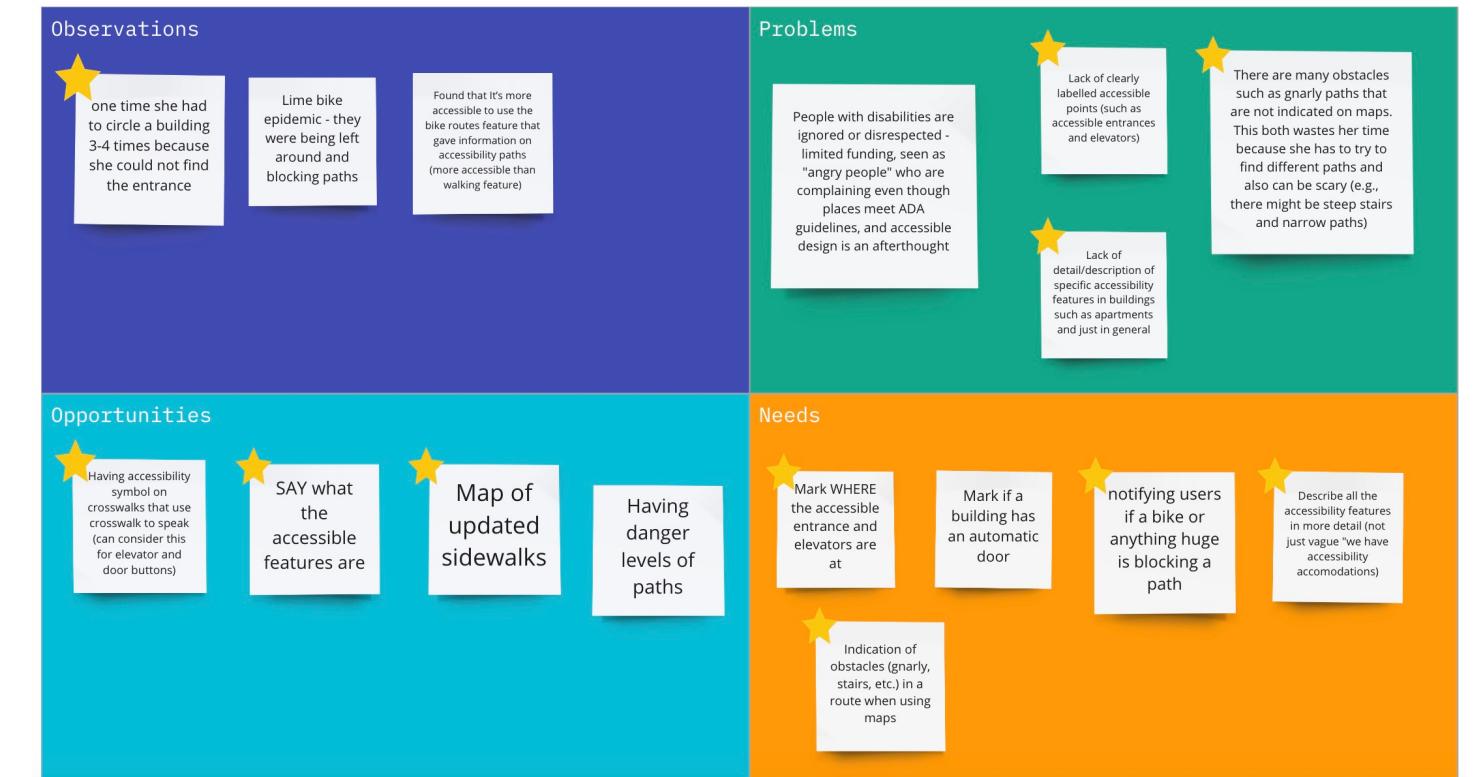


Application received full points and a 4.0 in the class

# Grid Development

## Conducted 4 user interviews

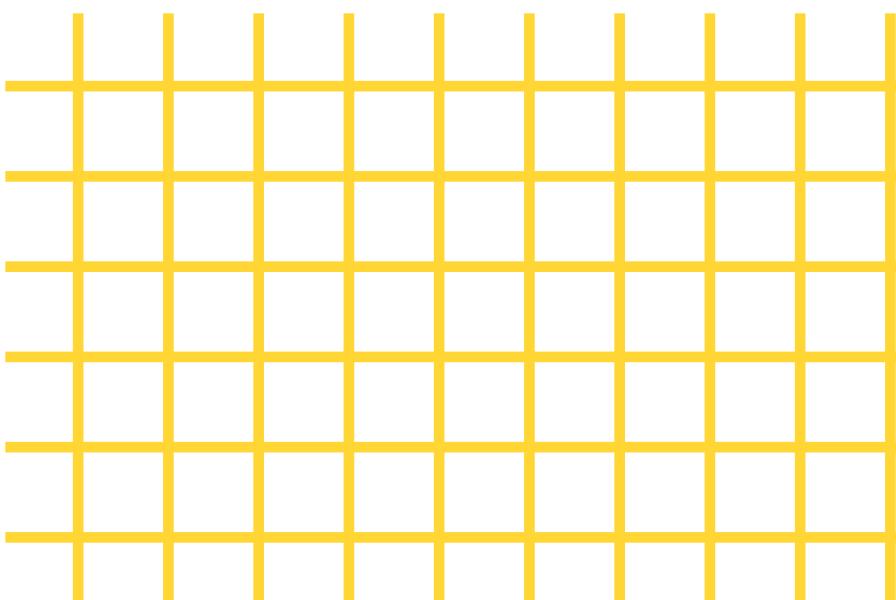
1. Annuska Zolyomi - HCDE PHD & INFO 498 Inclusive Design Professor
2. Jason Naranjo - Disability Studies Professor
3. Christine Lew - Director of Student Disability Commission
4. Lindsey Muszkiewicz - Senior student who is mobility impaired



Example miro board after Lindsey's interview

## Conducted 3 Usability Tests

1. Marcela, an able-bodied junior at UW
2. Linsdey, a Senior at UW who is a wheelchair user
3. Dr. Zolyomi, HCDE PHD & INFO 498 Inclusive Design Professor

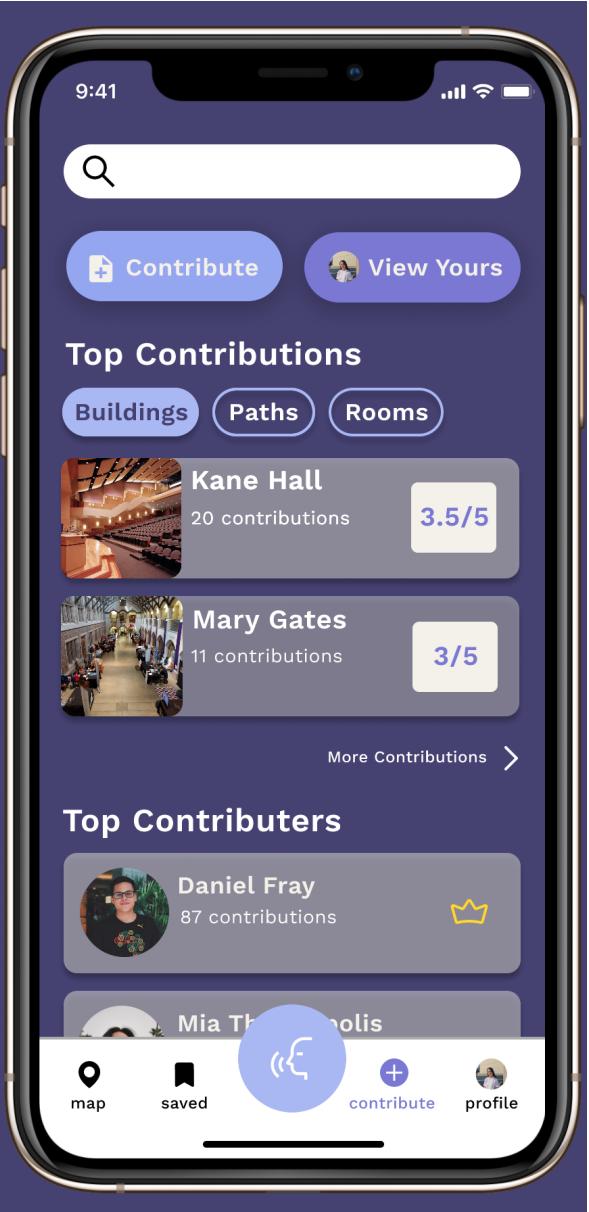
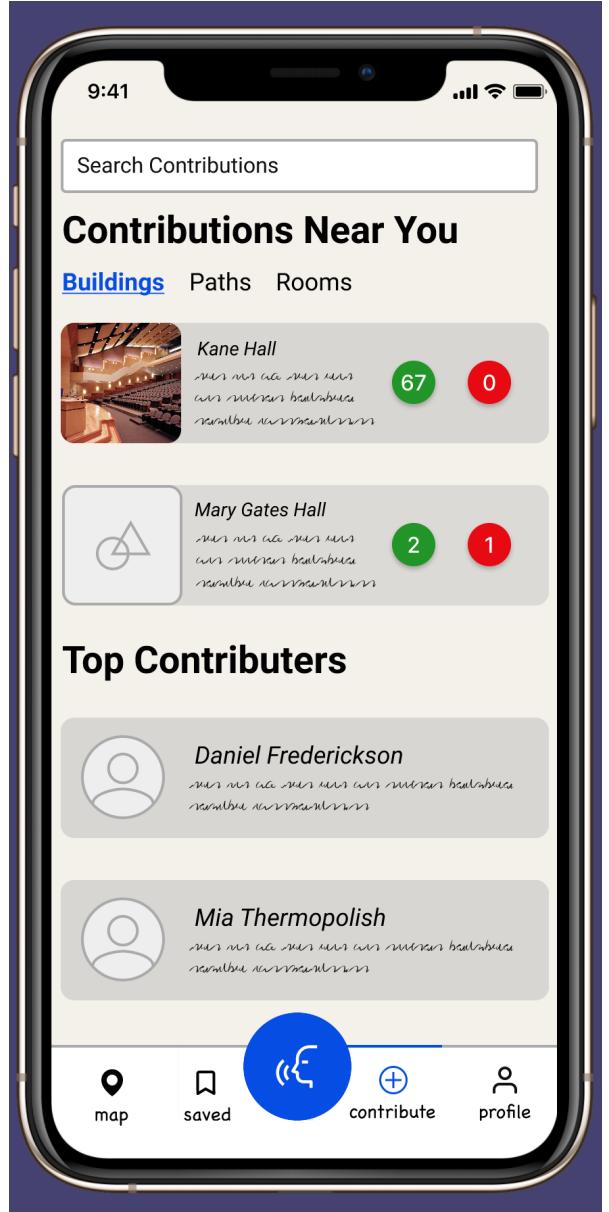


# Grid Development

## Completed 2 mockup iterations

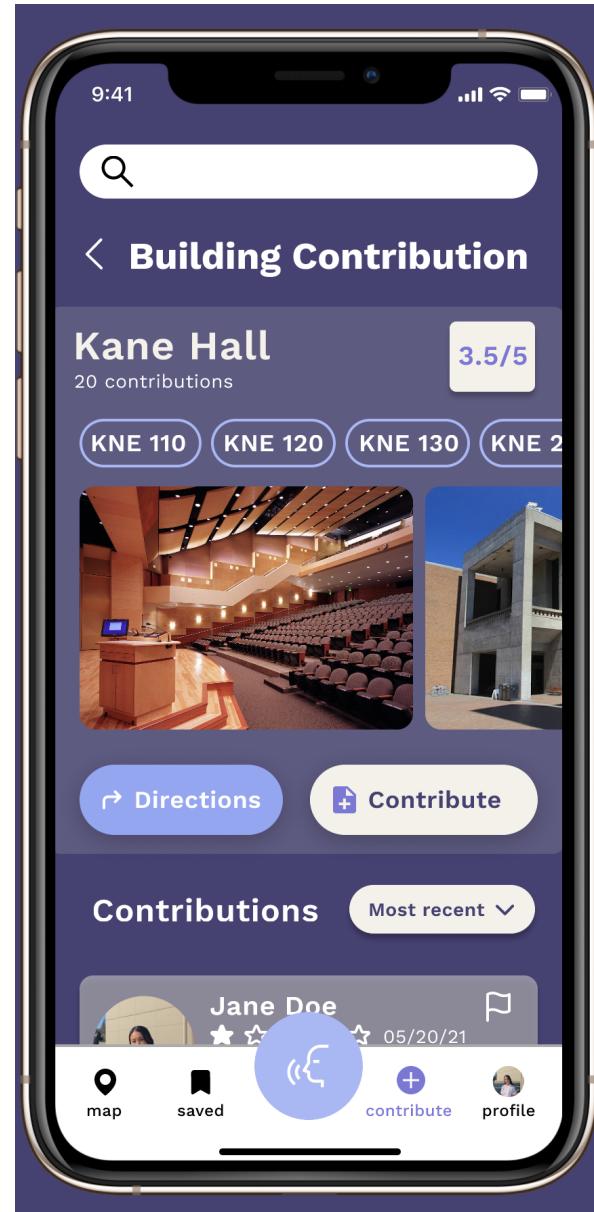
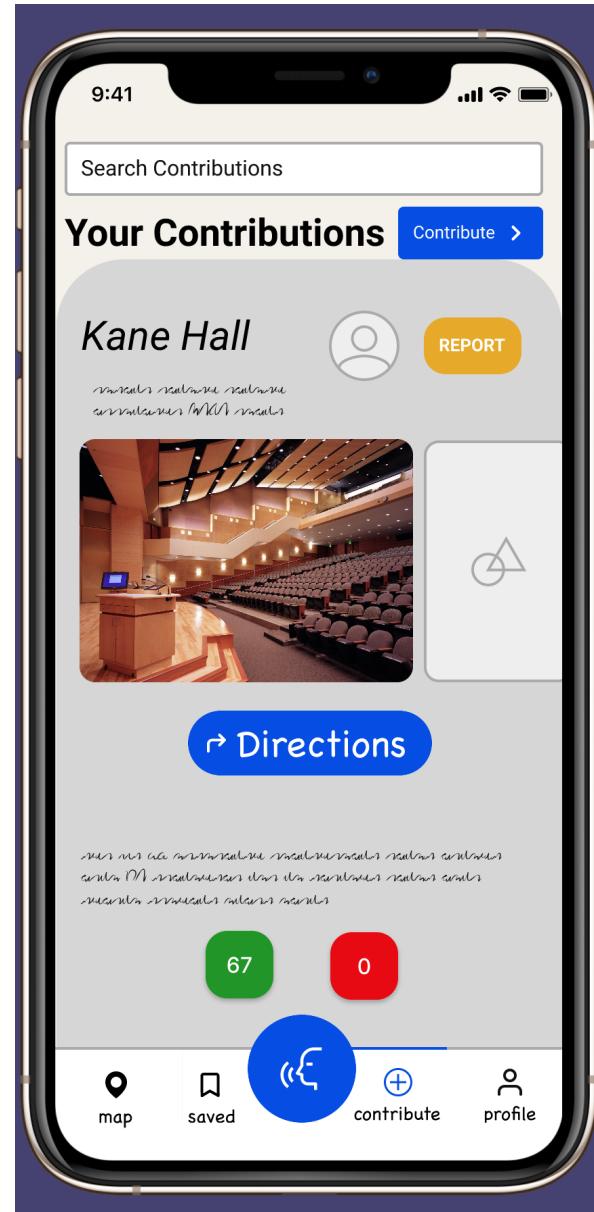
Top Contributions Screen

Allows current UW students to rate current accessibility features across campus



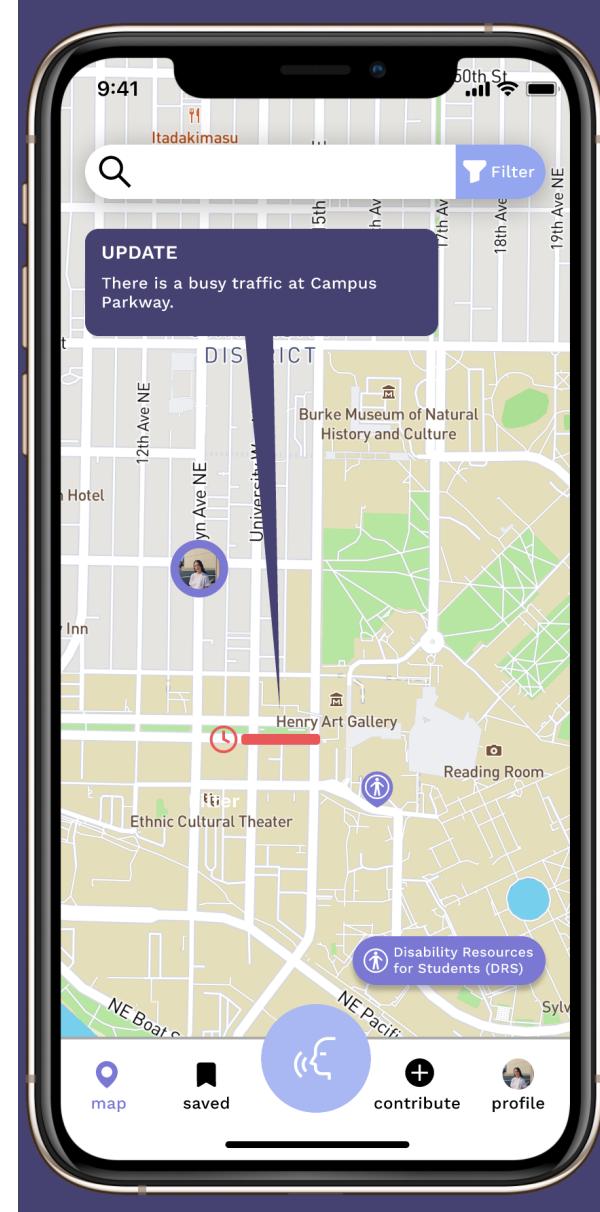
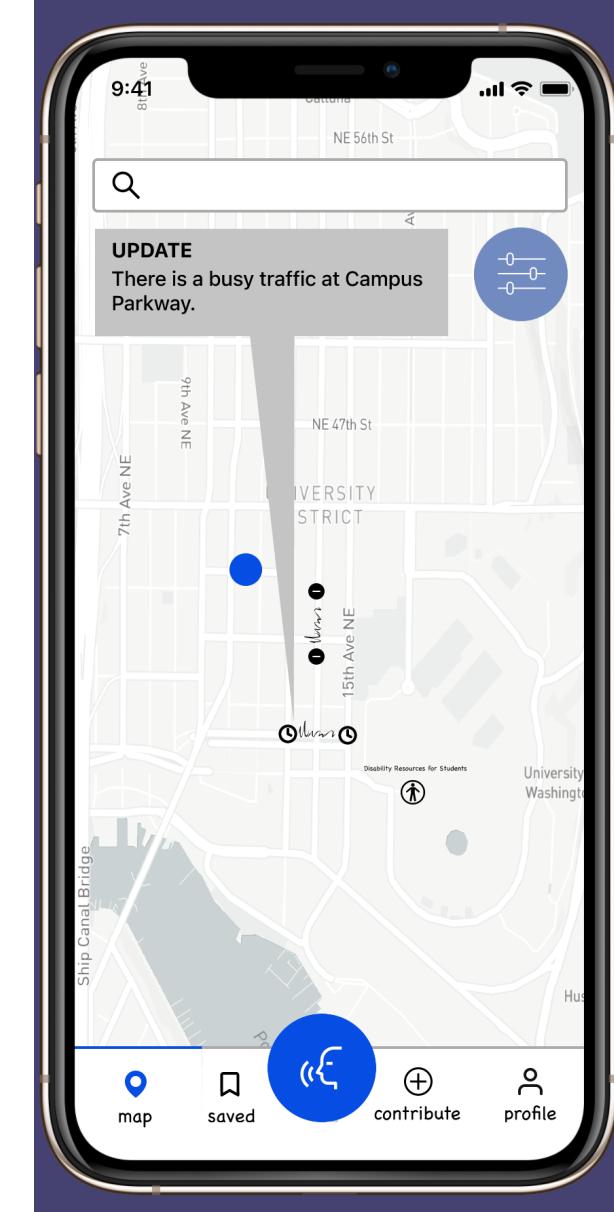
Building Contribution Screen

Allows people to contribute individual ratings about rooms within a UW building



Map Screen

Allows users to receive updates about potential accessibility hazards while traveling



Low Fidelity

High Fidelity

Low Fidelity

High Fidelity

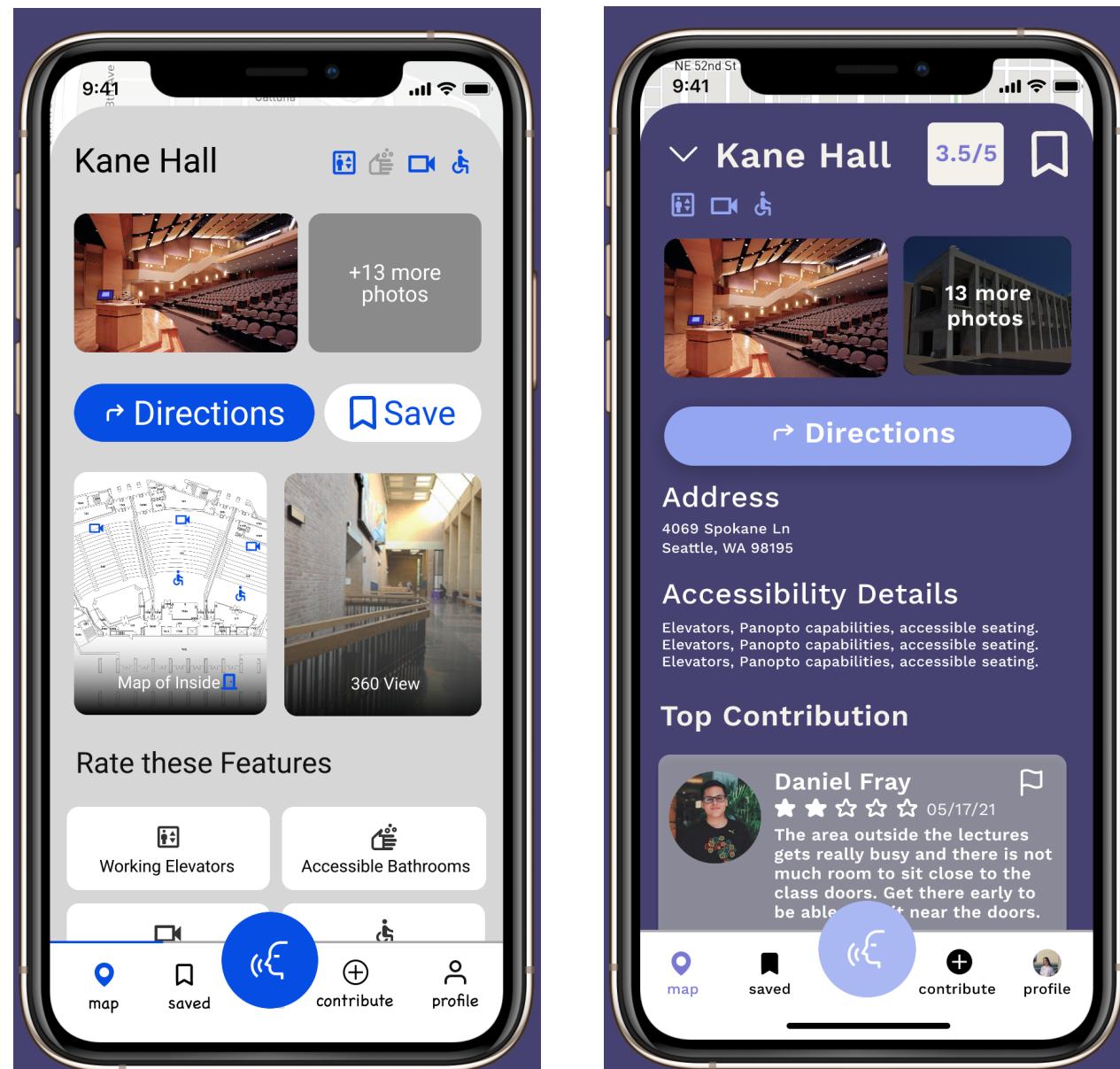
Low Fidelity

High Fidelity

# Grid Development

## Completed 2 mockup iterations

**View Building Screen from the Map Screen**  
Allows users to view the bulding and their current  
accesiblity featuers when clicking on the map



Low Fidelity

High Fidelity

**Profile Screen**  
Allows users to view their settings, their earned stickers and their  
saved contributions screen. The Disability Resources for Students  
center can also be contacted from this screen



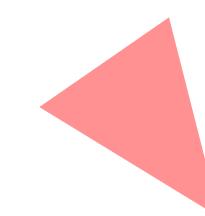
Low Fidelity

High Fidelity

[Click Here To View Interactive Mockup](#)

# Meet Humble,

A web design that connects local charities and non-profits across the country to each other to ship overstocked items and decrease pollution



## Setting/Time:

A total of 12 hours during WINFO's 8th annual Hackathon (in-person)

### Purpose

Many local non profits and charities go unnoticed due to the vast advertising of large "charities" that gain a gross revenue of billions of dollars while only donating small amounts.

My platform allows them to have a voice and connect together and help those in need

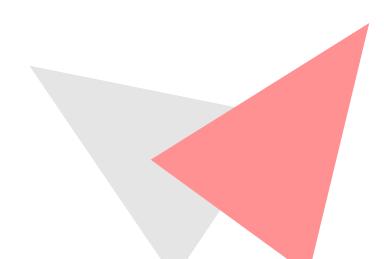
### Audience

Charities and Non-profits across the US

### Impact

Overstocked items that are usually sent to landfills can now be sent to other charities and individuals who need them.

Application won "Best Overall" in WINFO's 8th Annual Hackathon out of 60 other groups



# Humble Development

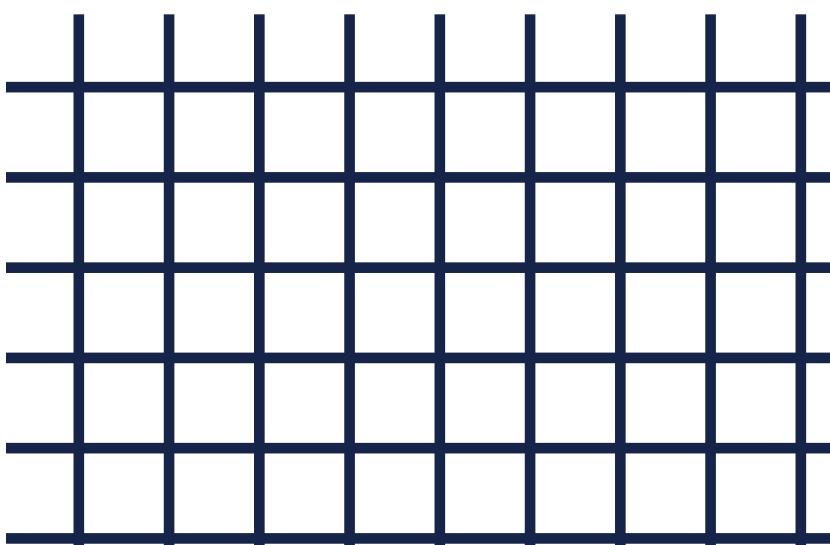
## Conducted Research

“The worst charity in America spends less than 3 cents on the dollar towards charitable works, out of the millions it raises each year, according to a year-long investigation by CNN...”  
- Business Insider

“... – just five percent of all donations – but it all adds up to the ridiculous amount of clothing waste in landfills nationwide..”  
- huffington post

## Conclusion

Many local non profits and charities go unnoticed due to the vast advertising of large “charities” that gain a gross revenue of billions of dollars while only donating small amounts.



# Humble Development

## Completed Mockups

### Current Non-profit and Charity Rating Screens

Allows users to filter through different non-profits and charities and quickly view what items they currently need

### Individual Charity Screens

Allows users to look at each individual charity and view current ratings from other users, their current location and what specific items they need

[Click Here To View Full Interactive Mockup](#)

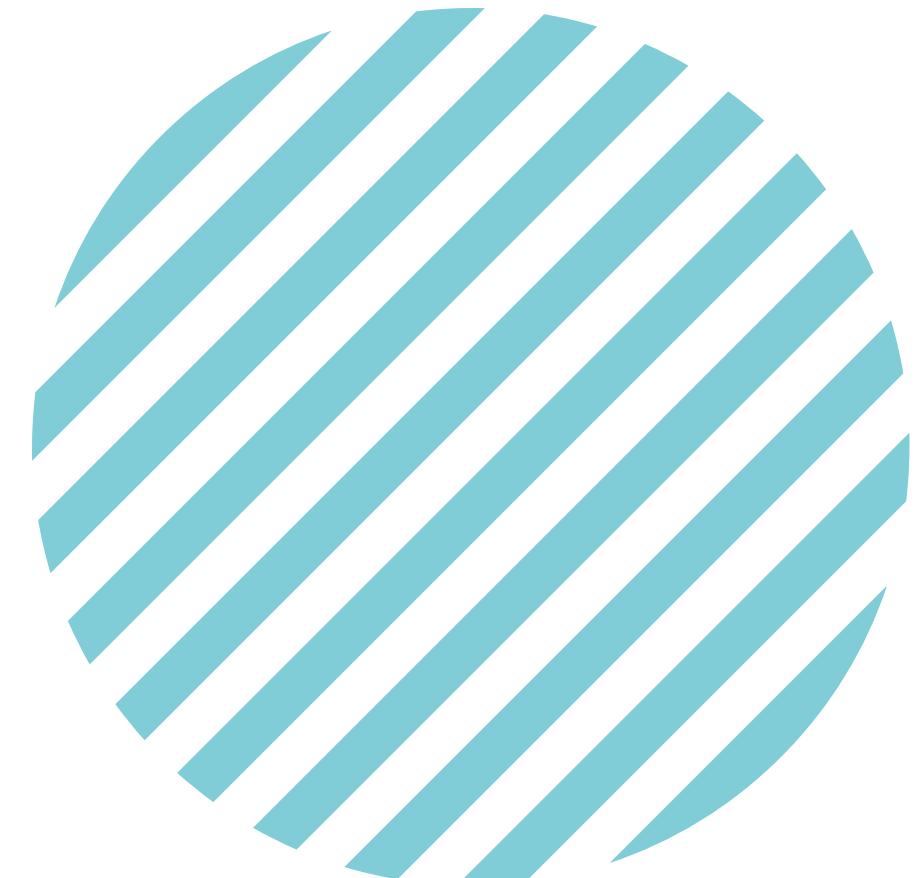
# Meet Tutela,

tutela is latin for protection and gaurdianship

An application design that offers users to use playback video and audio recordings to connect with unavailable family and friends when their safety is compromised

## Setting/Time:

A total of 26 hours durring WINFO's 9th annual Hackathon (virtual)



## Purpose

Many justice instutions lack accountability for investigating and prosecuting those who are involved in rape or human-trafficking related cases

My application allows thses cases to be more accuratley recorded and to keep users safer

## Audience

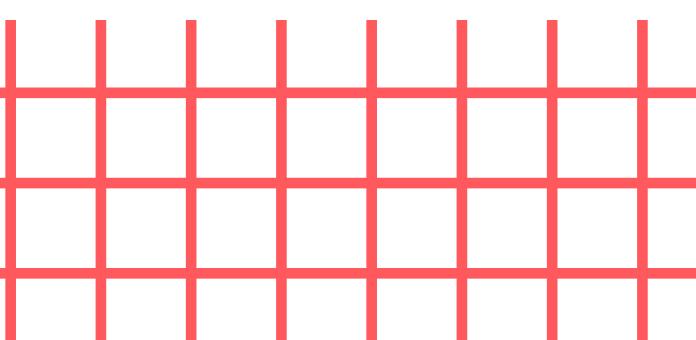
Those who are in a situation where their saftey is compromised

Women identifying individuals

## Impact

Users may not have an immediate friend/family member to call can now feel less alone and use this application as bystander intervention

When a rape or human-trafficking case is reported to the police, they are able to gather more information about the situation trhough the application.



Application won “Best Overall” in WINFO’s 9th Annual Hackathon out of 45 other groups

# Tuttlela Development

## Conducted Research

Women feel safer in the actual or potential presence of others because they assume that offenders will be deterred by the possibility of bystander intervention.

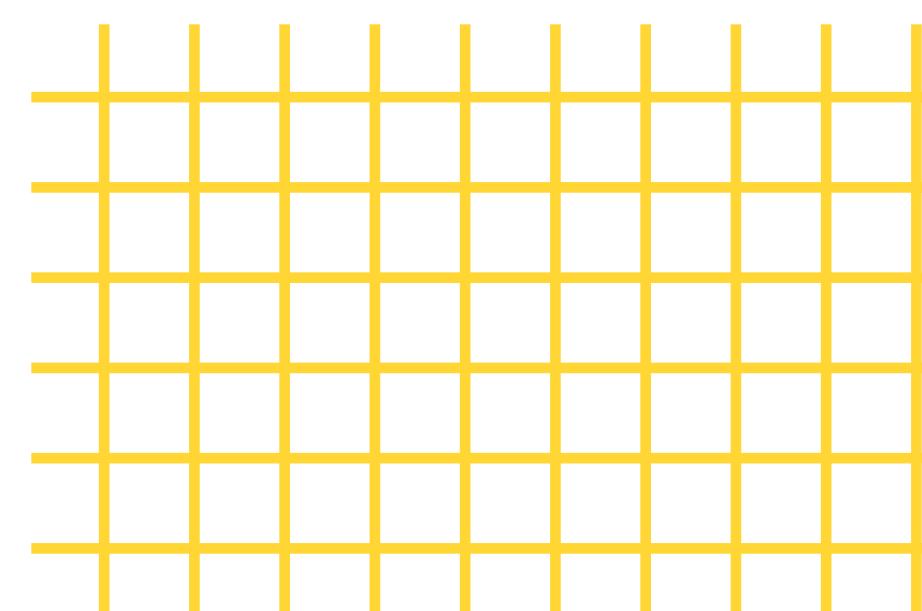
- Women's Fear and Design of Public Space

61% of women regularly take steps to avoid being sexually assaulted - YouGov

## Conclusion

In society, human trafficking cases lack equitable data recordings in comparison to other criminal cases, such as burglary. The criminal justice system also lacks equal investigation qualities and motivation when crimes involve female-dominated victims.

Additionally, thousands of U.S rape cases are recorded and there has yet to be accountability to the perpetrators and liability to these victims, specifically women.

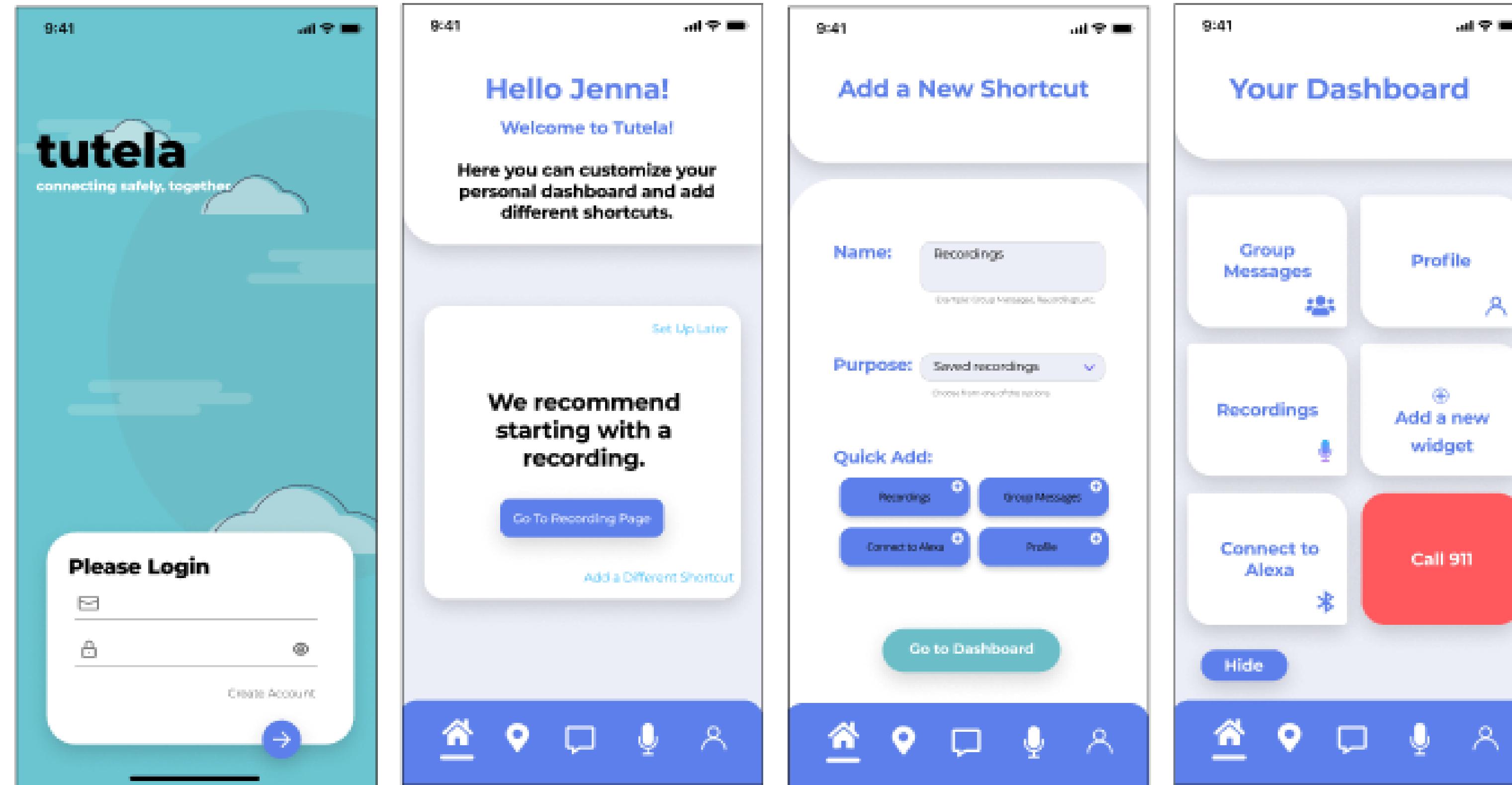


# Tuttlela Development

## Completed Mockups

Current Non-profit and Charity Rating Screens

Prompts users for an onboarding process which allows them to create a new recording, a new dashboard and begin with a pre-made dashboard

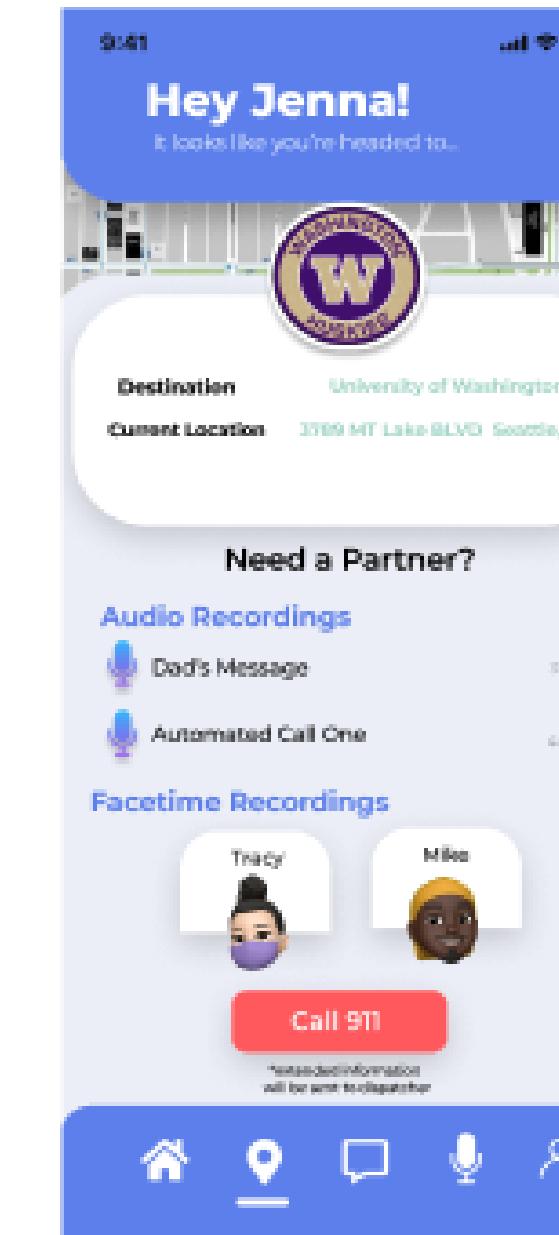
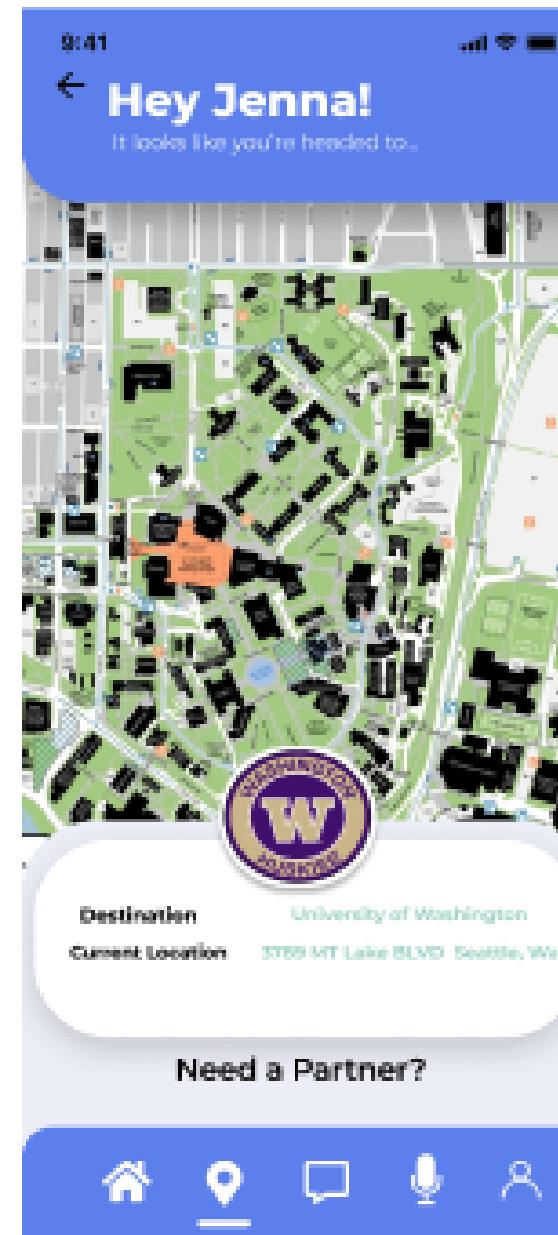
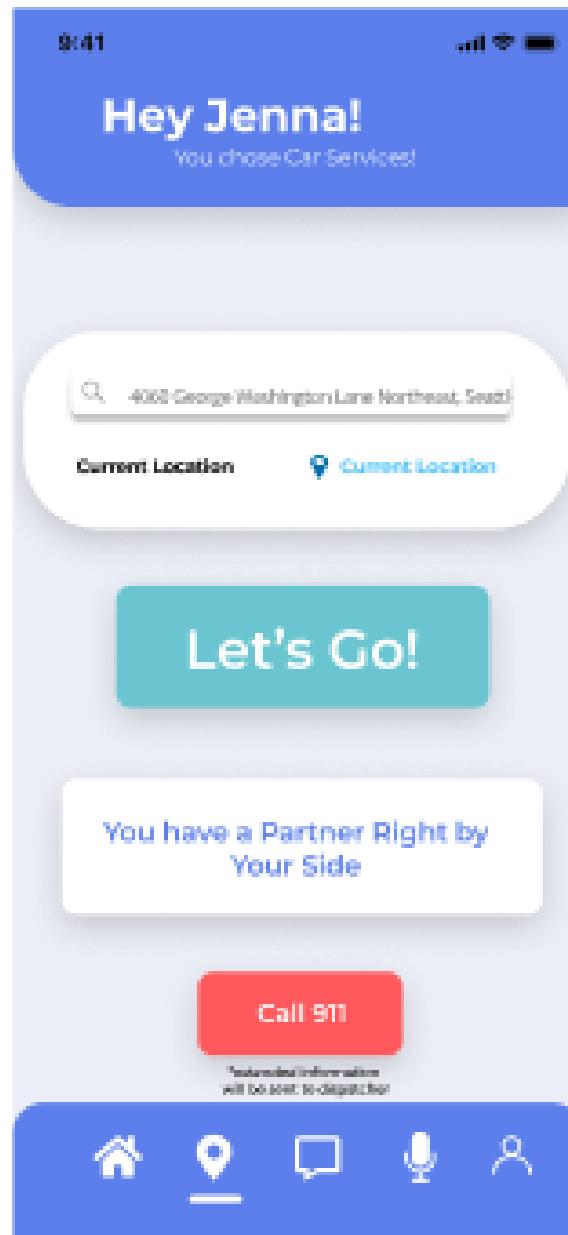


# Tuttlela Development

## Completed Mockups

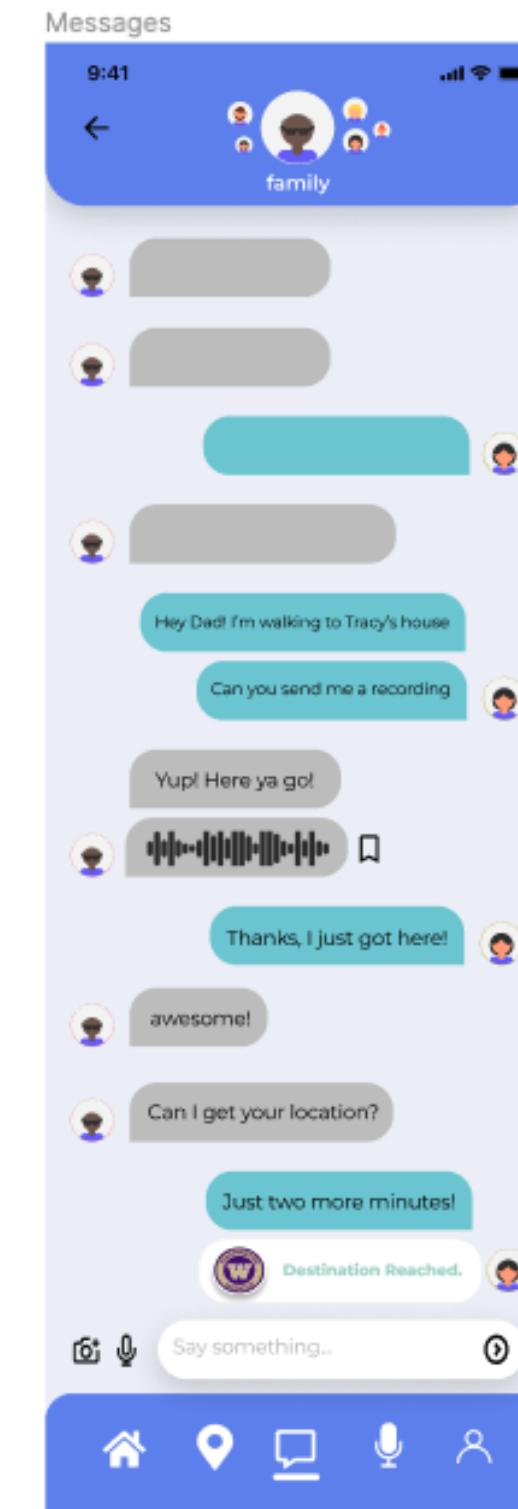
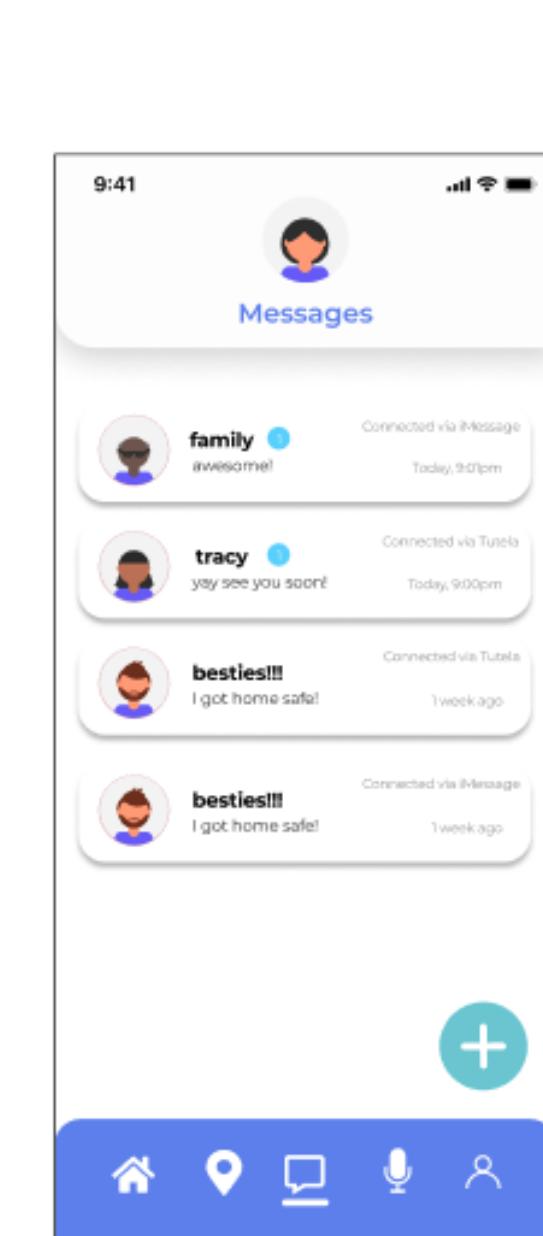
### Map and Location Screens

Allows users to search for a location, play a current audio call or directly call 911 if they are in an emergency



### Messages Screens

Allows users to connect with friends via text messages and send audio messages, which can be saved in the application to reuse later



[Click Here To View Full Interactive Mockup](#)

# Thank you!

Questions?

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