

HumaniSE Lab

Breaking the digital divide by creating useful and inclusive software solutions



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PhD Student



- From Sri Lanka
 - Studied IT
 - Moved to Melbourne in 2022
- Study and work?
 - Bachelors: University of Colombo
 - Worked as a Lecturer for 3 years
- Hobbies: photography, reading sci-fi/fantasy



Today's topic

Evaluating an approach to develop more accessible apps for seniors



Goals/objectives

- We conducted an exploratory study with U3A in the past.
 - Identified accessibility issues seniors face with mobile apps.
- Translated findings into an approach that could help software developers to improve apps for seniors.
 - We wanted to get feedback from you about what we've done so far.

Agenda

- Preparation 10-15 min
 - Explanatory statement & consent forms
 - Collection of demographic data
- Q&A ca 45 min
 - Topic-related questions
- Wrap up
 - Voucher distribution
 - Thank you & Farewell



None of the following questions are compulsory!

Please don't answer questions you are not comfortable with.

Preparation

1. Please read the explanatory statement and sign the consent form
2. Please fill in your answers in the demographic data paper form

Paper forms will be handed out

Collection of paper forms



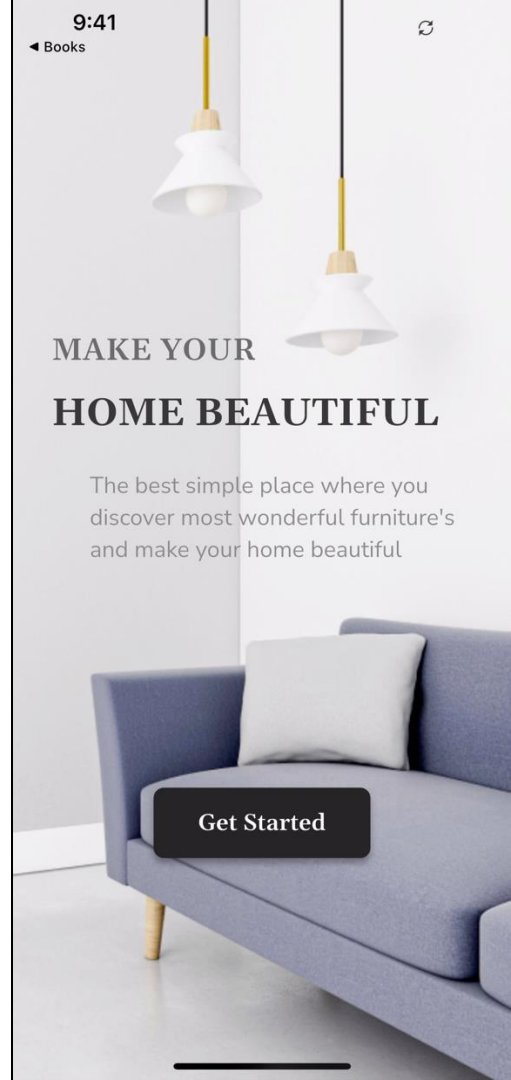
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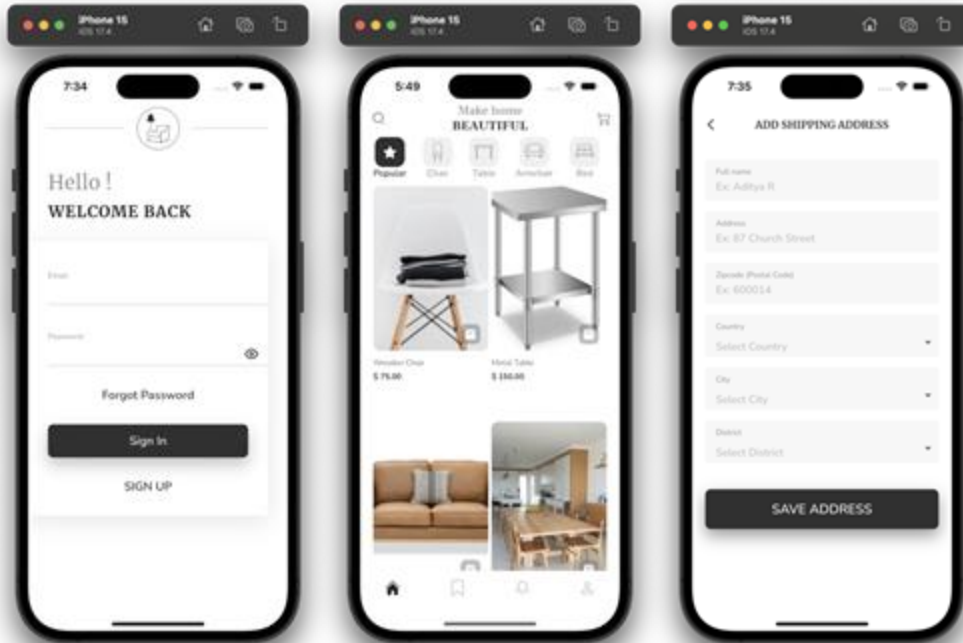
<http://clipart-library.com/>

1. Demonstration (un-modified app)

- What do you think about the app's accessibility?



2. Personalising the presentation of app



9:41



Hello!

WELCOME BACK

Email

Password



Forgot Password

SIGN IN

SIGN UP

2. Personalising the presentation of app

- What do you think about the changes we made to the app?
- Have the changes helped address the issues you mentioned with the earlier app version?

9:41



Hello!

WELCOME BACK

Email

Password

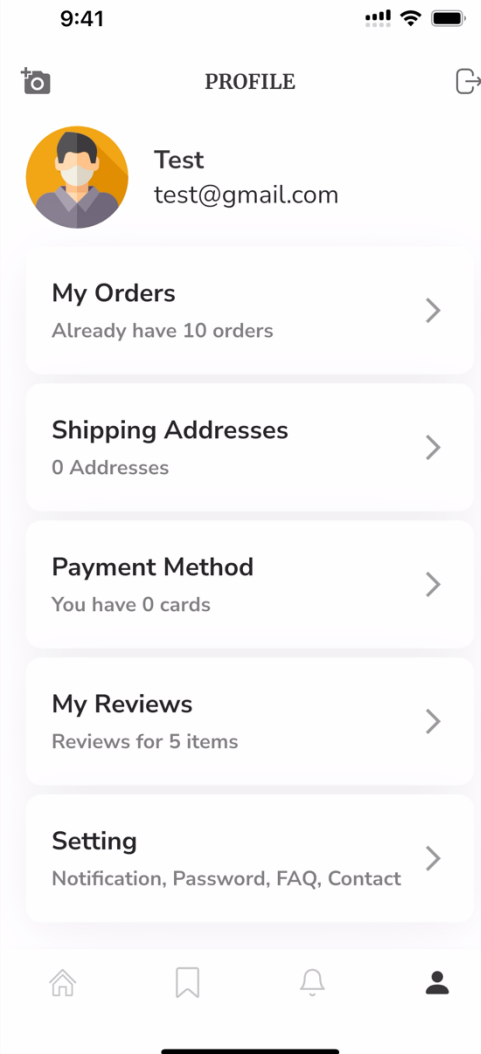
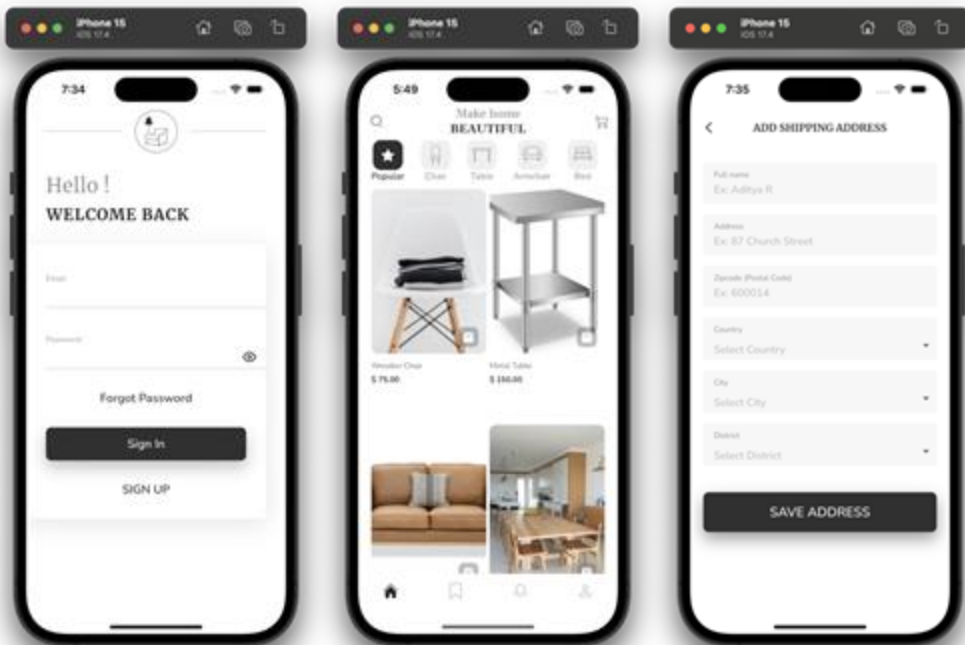


Forgot Password

SIGN IN

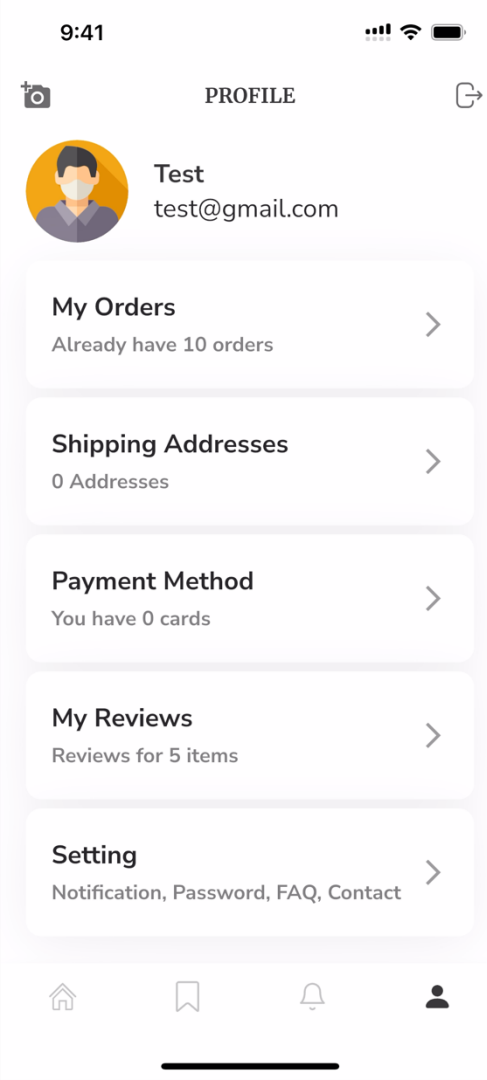
SIGN UP

3. Apps with Multiple Interaction Options

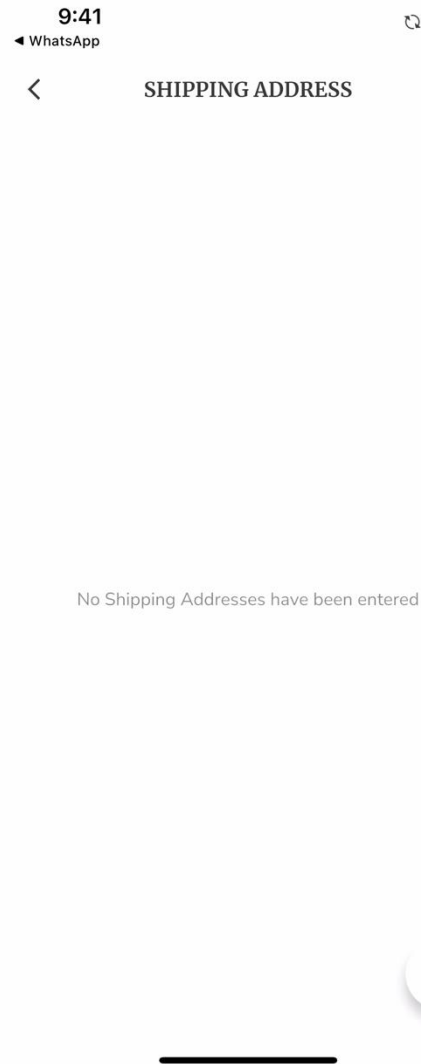
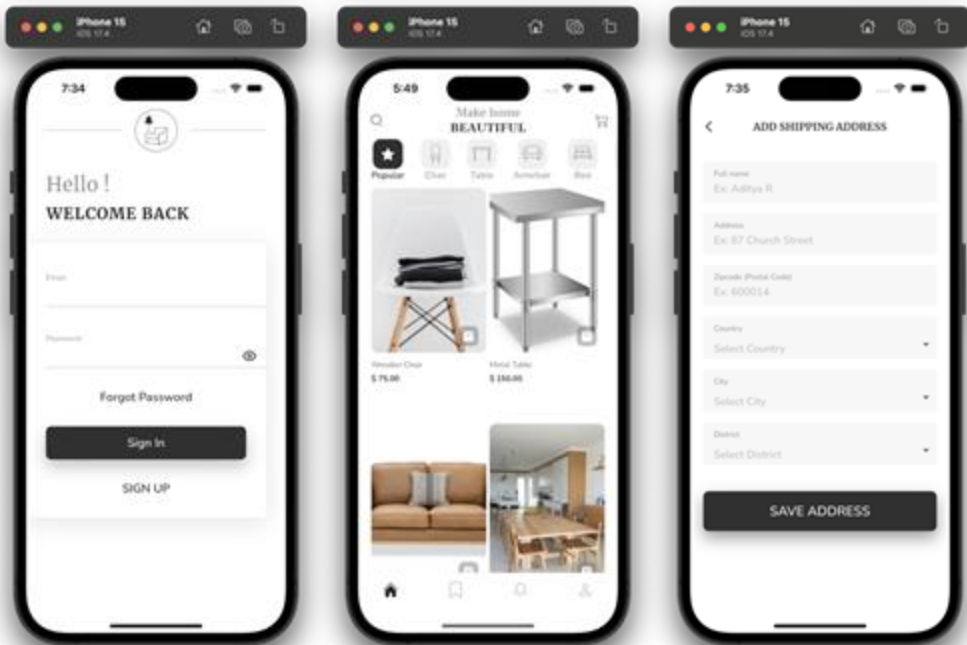


3. Apps with Multiple Interaction Options

- How helpful do you find the changes (screen readers & speech input)?
- Imagine that you are trying to buy a sofa from this app, what challenges you may face with the app?

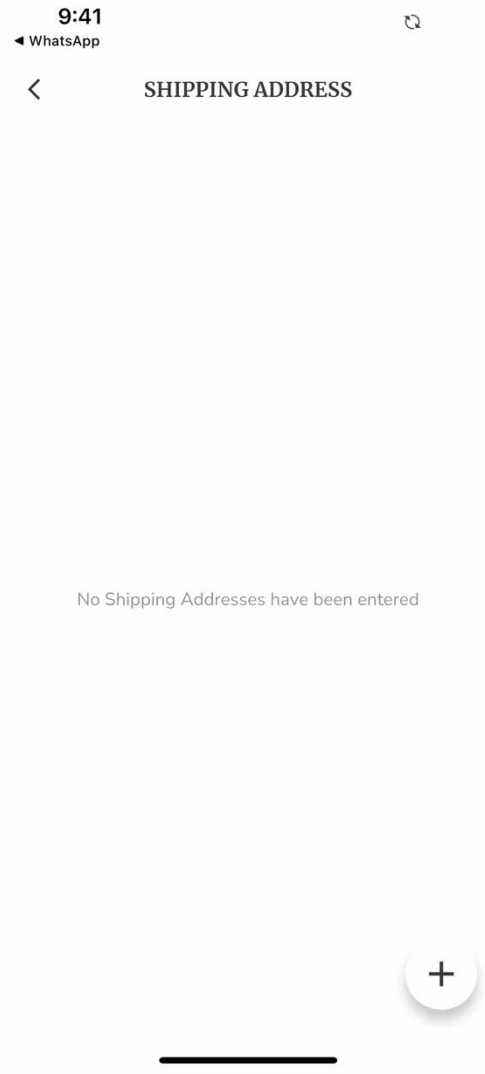


4. Personalising the navigation in apps



4. Personalising the navigation in apps

- How helpful do you find the changes in the *add shipping details* form?
- Besides this form, is there any other part of the app where you'd like the navigation to be different?



5. Device / app accessibility settings

- Do you change your mobile phone's or app's accessibility settings?
- How would you feel if the app automatically changes based on your past activities in the app?
- What if you can '**ask**' the app to change?

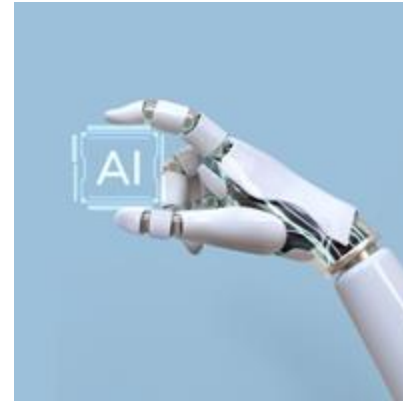
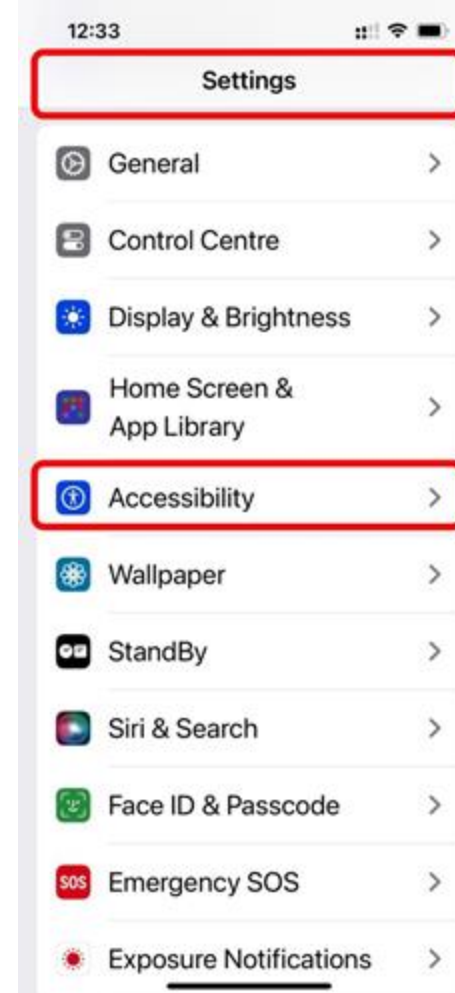


Image: www.freepik.com



Wrap up & Vouchers

