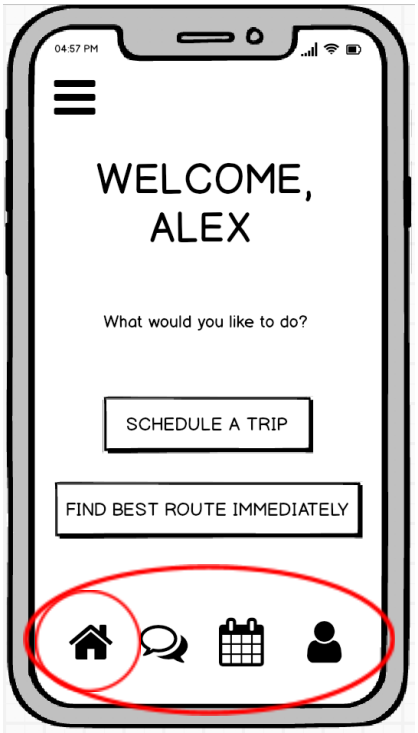
Map Demo

Contents ***Page***

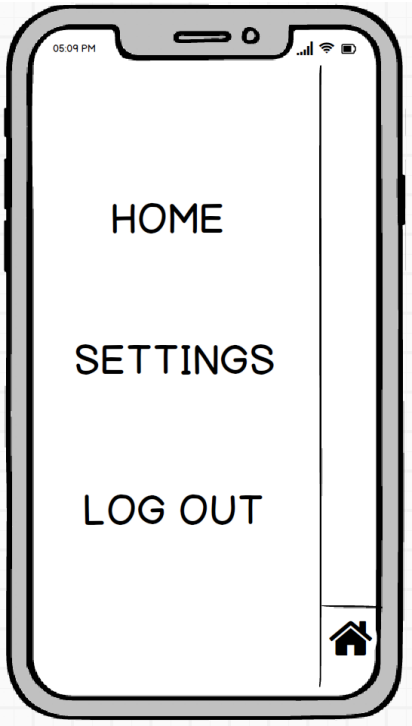
Horizontal Prototype

Entry Point

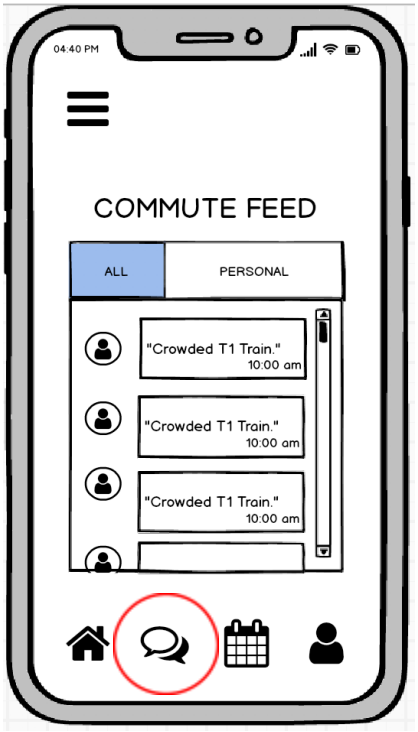
Main Menu/Home



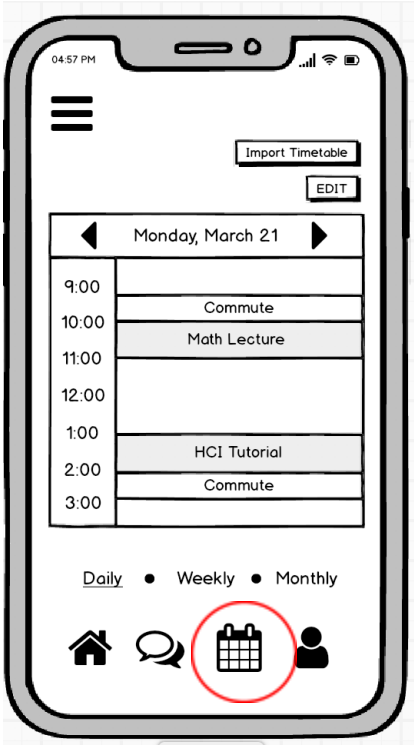
Sidebar Menu



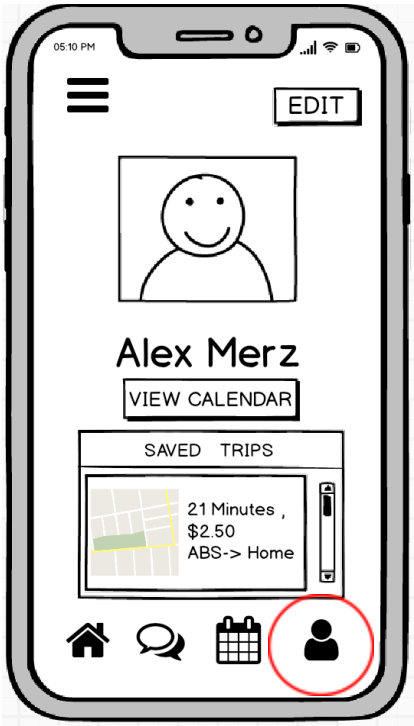
Commute Feed



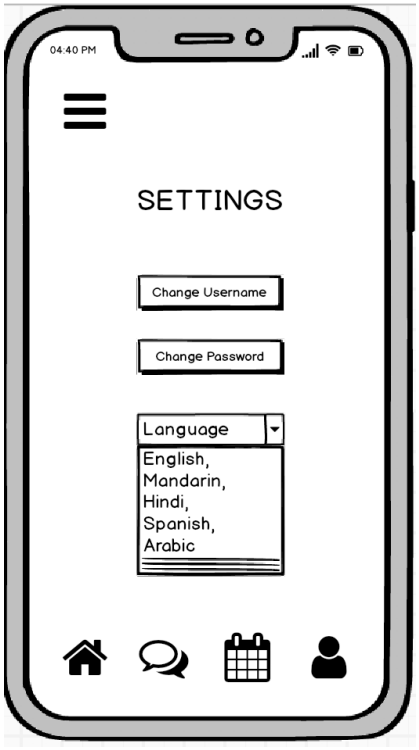
Calendar



Profile



Settings


04:40 PM
SETTINGS
Change Username
Change Password
Language
English,
Mandarin,
Hindi,
Spanish,
Arabic

Horizontal: Design Decisions

Platform: iOS

- The iOS platform was selected for our app to be designed on. This is because the iOS platform is viewed as being more user-friendly, uniform and intuitive in its design than that of Android. Although Android is known to be more customisable, our group's focus is directed at the overall usability of the application, including learnability, memorability, efficiency and effectiveness.

Colours

- A grayscale colour palette was selected to be implemented in the Balsamiq prototype. This colour palette maximises contrast between text, functions and their background. Furthermore, this gives the prototype a sleek and simple design that will enable users to more easily navigate the app and perform tasks, whilst eliminating any distractions colours may cause. Colours include: Black, White, Greys

Additional Screens

- A notification page was added to the prototype. This illustrates the app taking initiative and alerting the user how much time they have until a certain mode of transport is leaving from their usual route.

- A settings page was added to the prototype. This illustrates elements of personalisation, including the ability to select another language, to change username, and to change password.

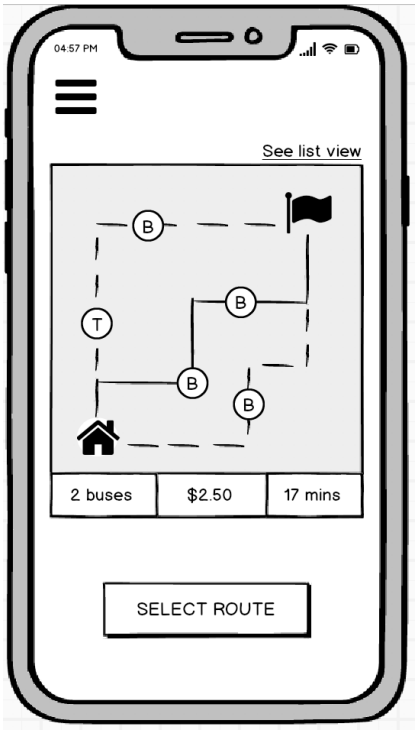
In conclusion, the majority of components from the paper prototype were included in the implementation of the Balsamiq prototype. There was no instance of omitting a design that was found within the paper prototype. Instead, only the above mentioned added design decisions represent the changes made between paper and hi-fi prototypes.

Vertical Prototype: Commute Planning

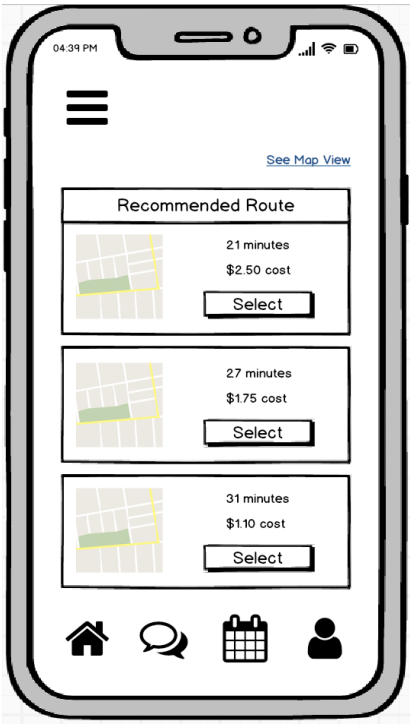
Home

Schedule a Trip

Find Routes - Map View

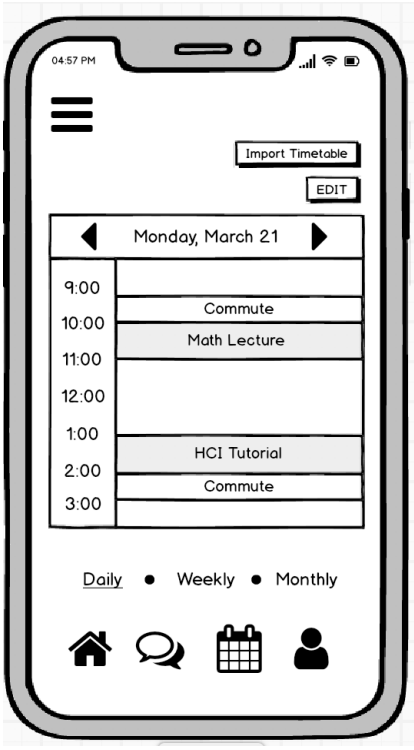


Find Routes - List View



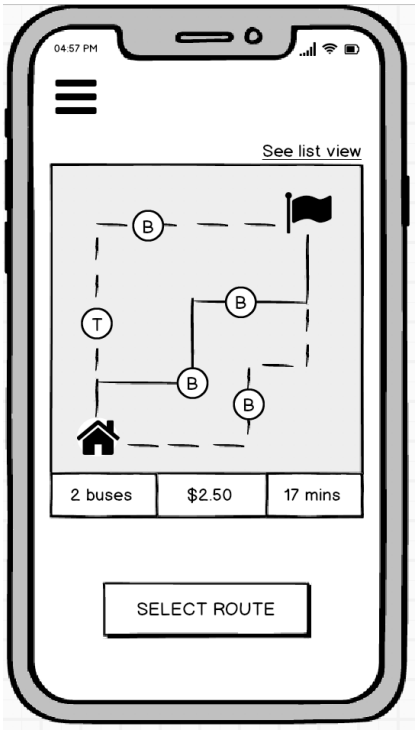
Route Confirmation

Calendar View

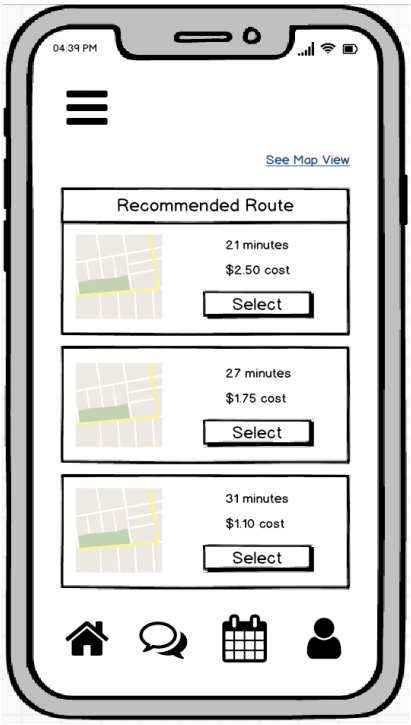


Vertical Prototype: Visualizing Routes

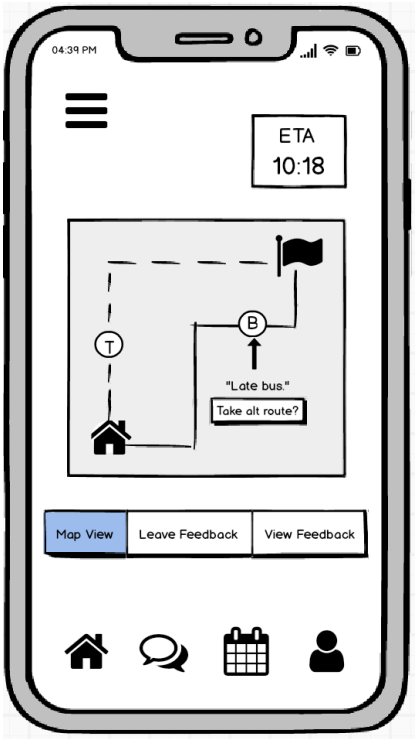
Find Routes - Map View



Find Routes - List View

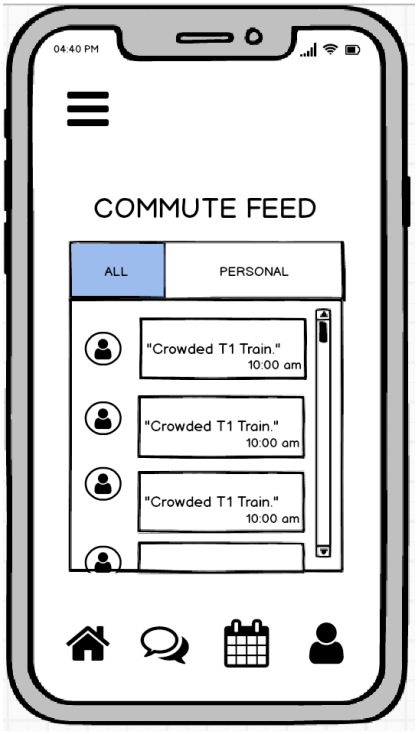


Commute Navigation

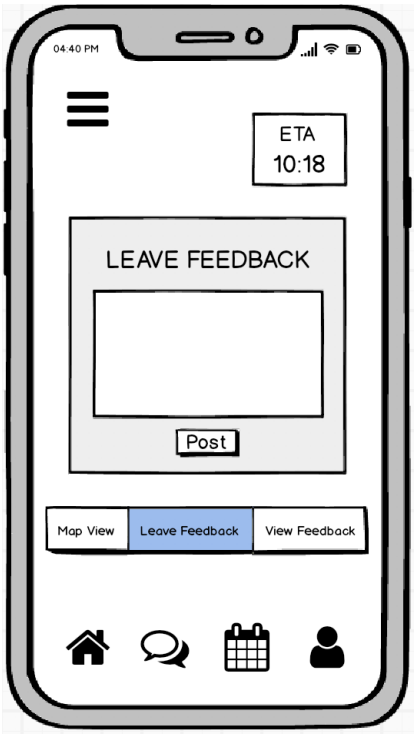


Vertical Prototype: Giving Real Time Feedback/ Sharing Information

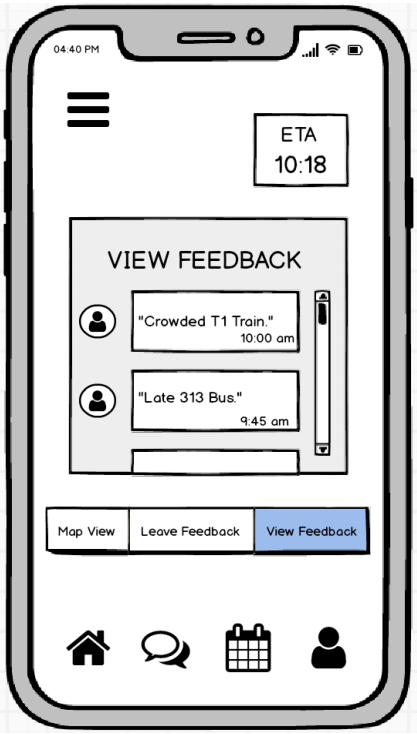
Commute Feed



Leave Feedback



View Feedback



Identify 8 Important Commute Planning Functions

1. Configuring beginning and destination

&

2. Configuring timing information

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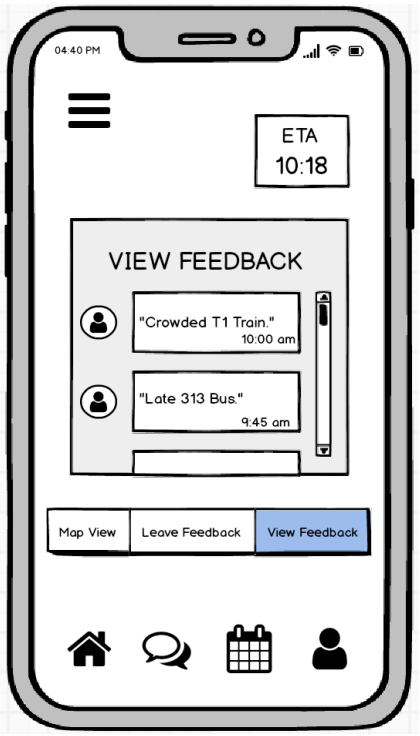
3. Managing frequent routes

&

4. Accessing past routes

5. Entering and visualising of shared information



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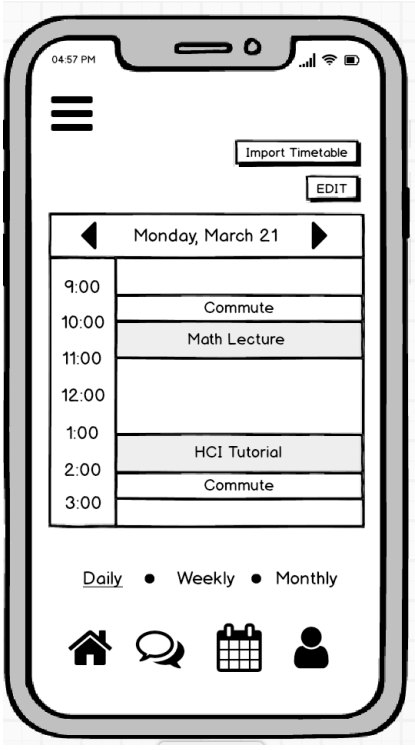
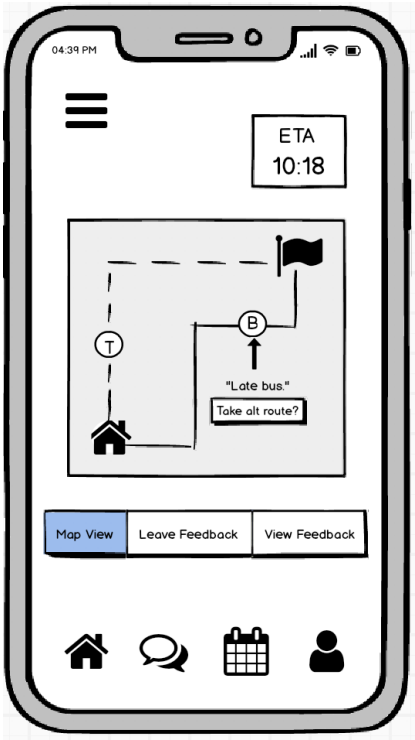
6. Utilising calendar information and personal preferences



7. Visualising real time information



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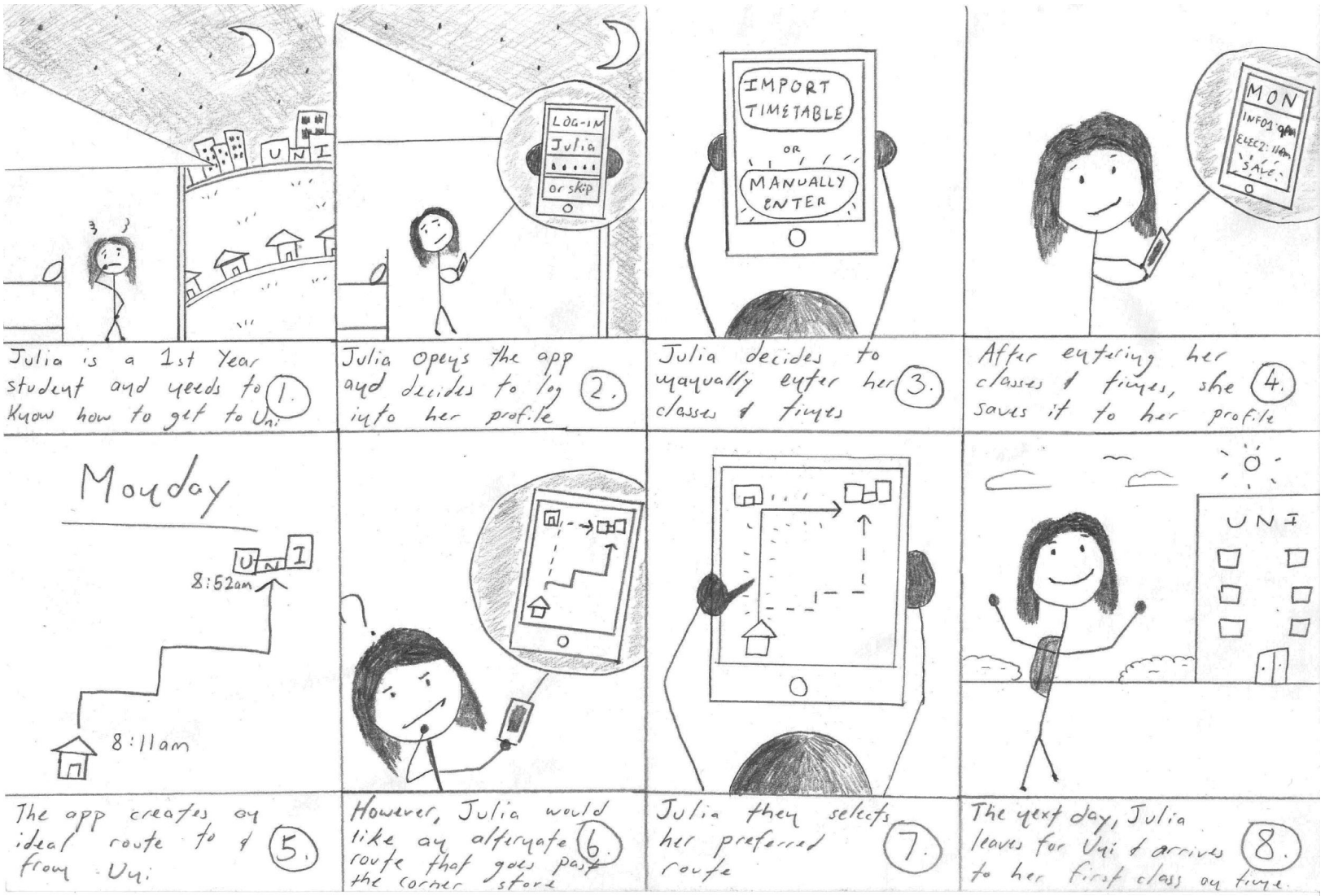
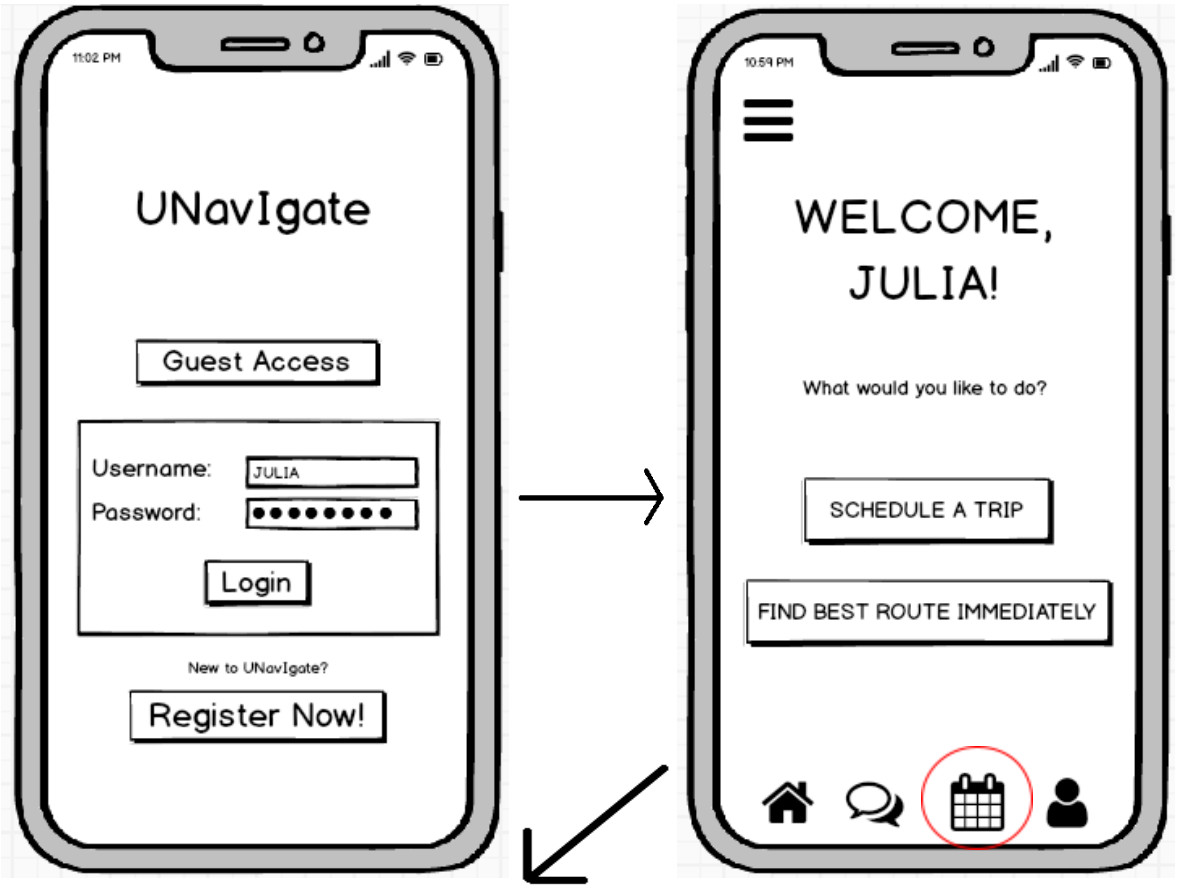
8. Commute reminders and notifications

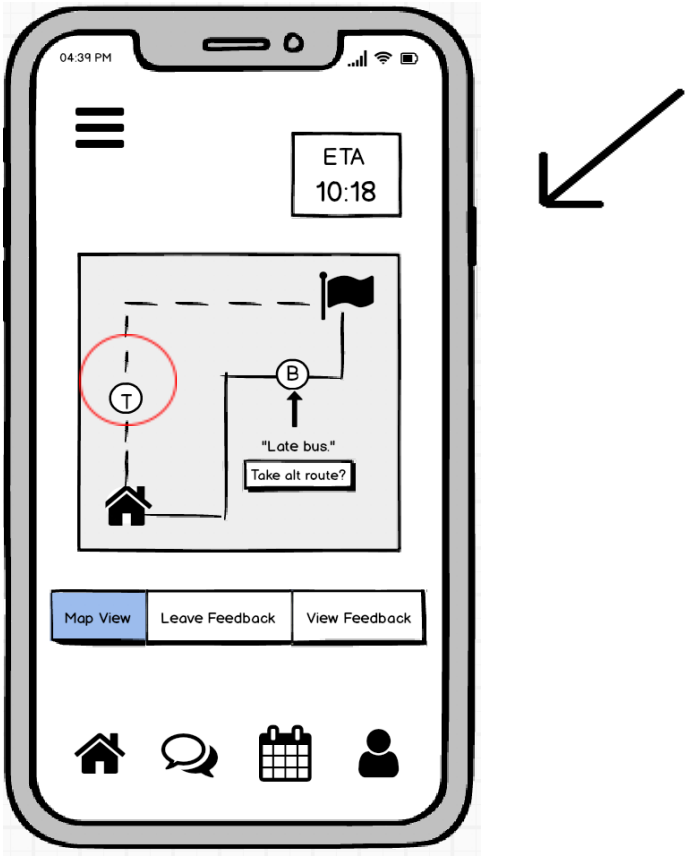
Scenario 1 Screens

- Managing Commuting Habit Storyboard: Julia (Refined)



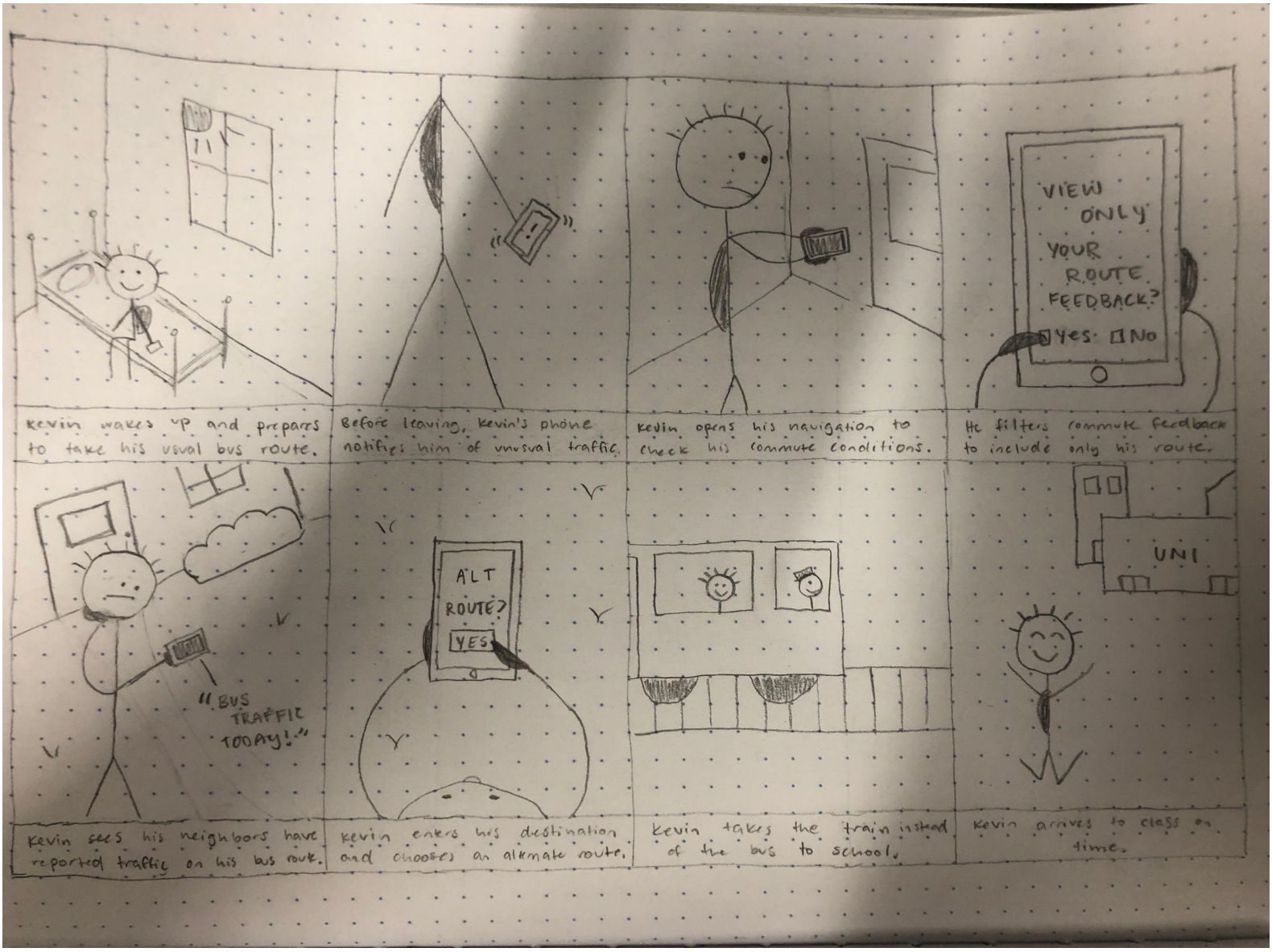
- Managing Commuting Habit: Screens




04:39 PM
ETA
10:18
T
B
"Late bus."
Take alt route?
Map View
Leave Feedback
View Feedback

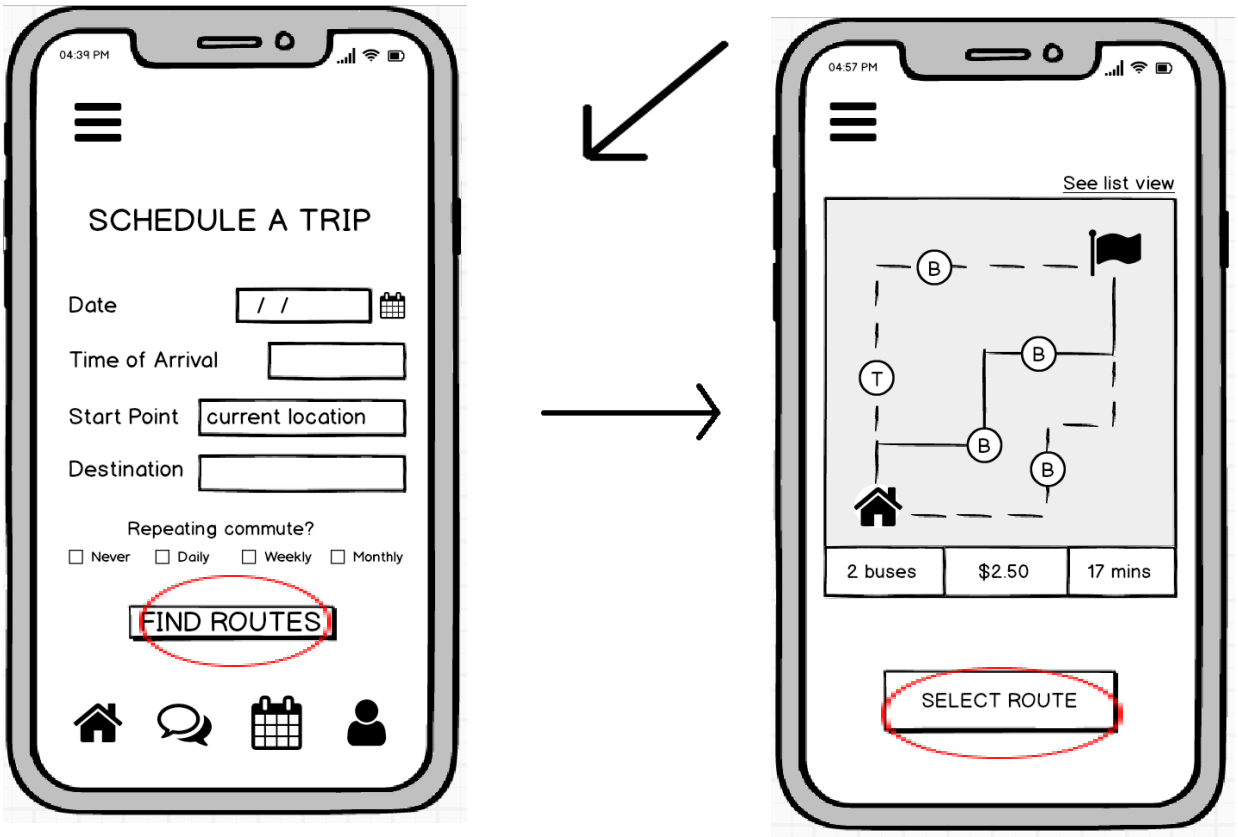
Scenario 2 Screens

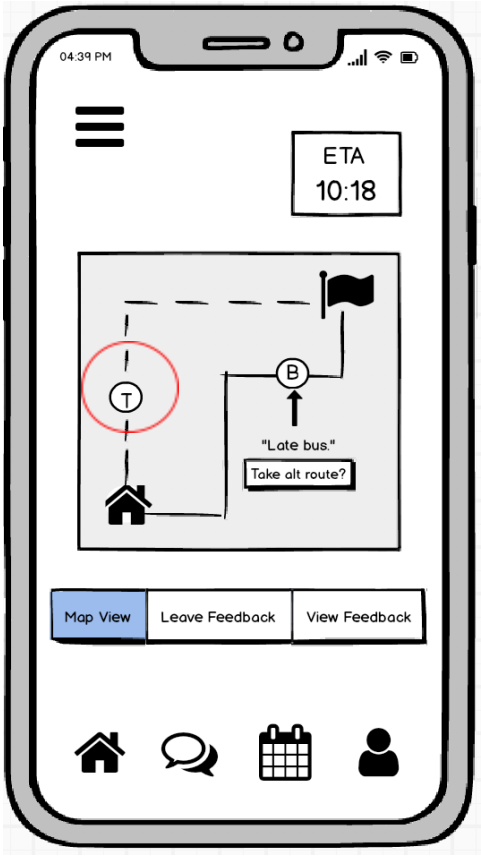
- Using the App to Communicate and Share Information Storyboard: Kevin (Refined)



- Using the App to Communicate and Share Information Storyboard: Screens


10:38 PM
8:57am
Monday, 21 October
UNavIgate
1 min ago
Kevin, there is unusual traffic activity along your route today.
10:38 PM
WELCOME, KEVIN!
What would you like to do?
SCHEDULE A TRIP
FIND BEST ROUTE IMMEDIATELY
04:40 PM
COMMUTE FEED
ALL
PERSONAL
"Crowded T1 Train." 10:00 am
"Crowded T1 Train." 10:00 am
"Crowded T1 Train." 10:00 am
10:38 PM
WELCOME, KEVIN!
What would you like to do?
SCHEDULE A TRIP
FIND BEST ROUTE IMMEDIATELY


04:39 PM
SCHEDULE A TRIP
Date
/ /
Time of Arrival
Start Point
current location
Destination
Repeating commute?
Never
Daily
Weekly
Monthly
FIND ROUTES
04:57 PM
See list view
B
T
2 buses
$2.50
17 mins
SELECT ROUTE


04:39 PM
ETA
10:18
T
B
"Late bus."
Take alt route?
Map View
Leave Feedback
View Feedback

Dummy Data

List of Data needed:

- Login / Register details: Username, Password, Name
- Route Information: Date, ToA, Departure, ‘To’ Location, ‘From’ Location, ETA
- Recommended Route Information - based off of user’s location
- Commute feed - based off of information reported by other users
- Geographic Information: Roads, Home, Destination Point, Transport Type
- Additional info: Cost, Time, To-From - all based off route information given as input
- Personalised Info: Language spoken, Calendar / Timetable information

Dummy data has been implemented within the group’s Balsamiq prototype to cater for the above mentioned information. Specifically tailored screens were developed to clearly demonstrate the storyboards’ users interacting with the application. Scenario 1 utilises the persona ‘Julia’ and Scenario 2 utilises the persona ‘Kevin’. However, when regarding the prototype without the use of storyboards, the persona ‘Alex Merz’ is used. Examples of Dummy data can be seen here:

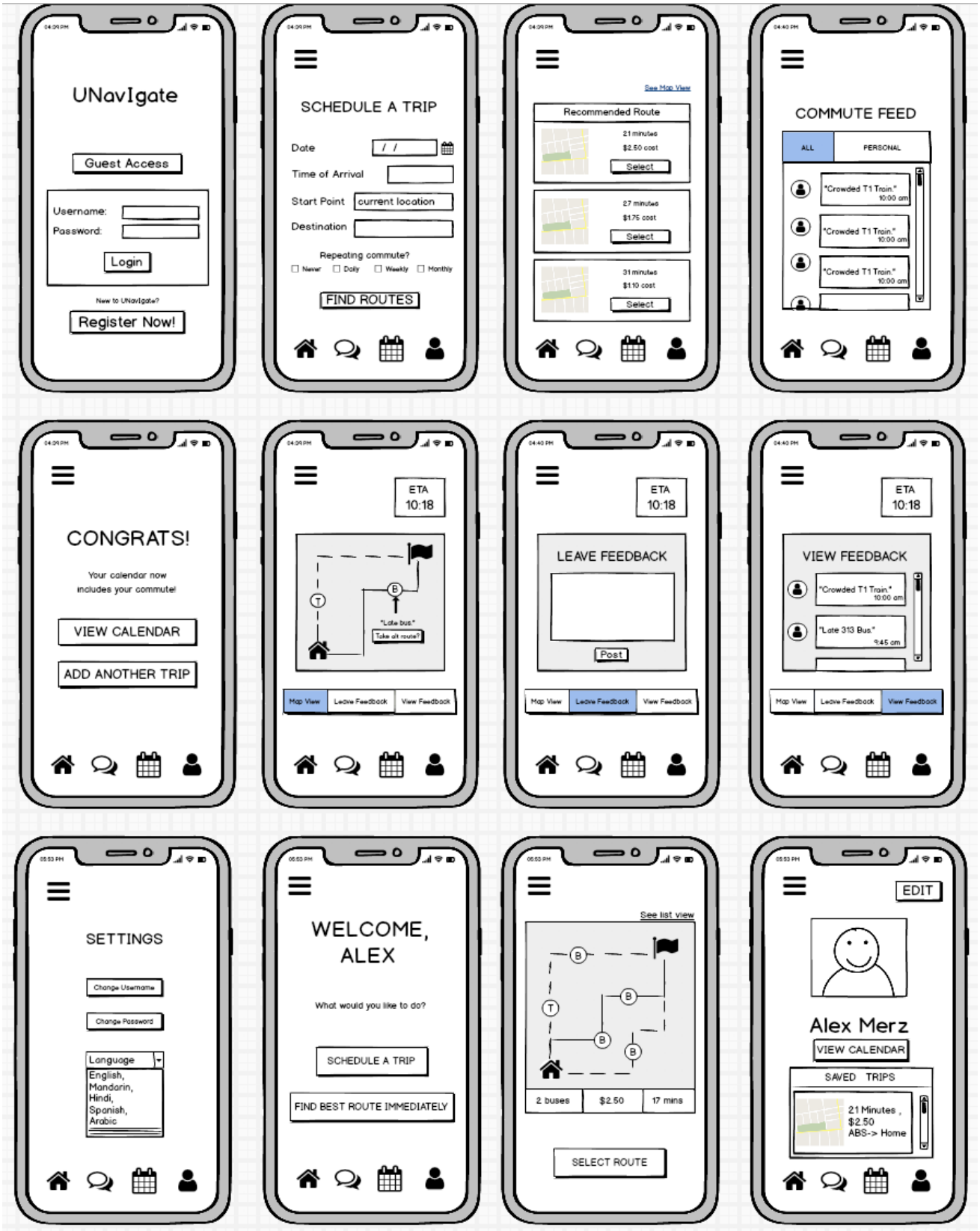
Vertical: Design Decisions

1. One of the most important design features of our app involves the use of reminders such as notifications and alerts. These reminders enable users to explore alternative options if their route has been identified as having abnormal and busy activity. Furthermore, reminders can also alert the user to prepare to begin their trip. This design feature uses the commute feed as its source of information. When multiple reports are posted on a particular route within a relatively short amount of time, the app will alert other users who have saved that route to their profile.

2. Another important design decision was to include the ability to select an alternative route. After inputting route information, either from importing a timetable or manually entering information, the app presents to the user a highlighted line representing the most ideal route according to the least amount of time. However, user's are presented with several other options / routes if available. These options are represented as a broken-dotted line. They are represented as such to distinguish to the user which route is ideal and which routes are not, but are presented anyway to provide more flexibility.

3. The final important change that was made to the design when translating from a paper prototype to a Balsamiq design was in the navigation screens - specifically, including a three-way toggle between Map View, Leave Feedback, and View Feedback. We made this change in order to make switching between modes seamless and easy while on-the-go, and to encourage users to make use of the information posting and retrieval functions.

Complete Prototype




HOME
SETTINGS
LOG OUT
Import Timetable
EDIT
Monday, March 21
9:00
10:00
11:00
12:00
1:00
2:00
3:00
Commute
Math Lecture
HCI Tutorial
Commute
Daily
Weekly
Monthly
8:57am
Monday, 21 October
UNavIgate
1 min ago
Alex, your bus arrives in 10 minutes.