

ENG1003

Assignment 2

Design Document



Buzz Flightyear
Trip Planner

Team 32

Alex Hofmann
Amarnath Ilangovan
Anushka Reddy
Chin Yew Yeoh

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1.0 Project Background

The app is on behalf of Monash for their exchange students who want to travel internationally on exchange programs to partner universities once the COVID pandemic is over. It is intended to help the economy recover by providing students with a user-friendly helpful tool to help them plan international trips.

The app is needed to help students plan trips around the city they are based in and their destination city. Students are able to plan connecting routes in their trip if they want and view a summary of their trip before scheduling it. The students are also able to cancel and view upcoming trips, and if they choose to create an account, able to view previous trips. A user can choose to not have an account and still create a trip, where they will be considered a guest user although the trip cannot be saved for later viewing.

Students are also able to view all possible routes within a chosen country before planning their trip to gain an understanding of the possibilities open to them. The app is designed to allow a user to plan a trip within the country using domestic routes with ease.

2.0 Design Decisions

2.1 Font size

Title Heading	38pt
Page Heading	28pt
Hamburger Menu Title	28pt
Hamburger Menu Title Content	18pt
Hamburger Menu Text Content	16pt
Text Content	16pt
Buttons	18pt

2.2 Colours & Visual elements

HEX codes for the App's colours

Yellow	Grey	Orange	Black	White
#fcc438	#5e5e5e	#ef8c22	#000000	#FFFFFF

Light Mode

Logo - yellow and orange

Background

- background image is a pattern of honeycomb
- pop-ups will be white, with a blurred image of the background behind
- hamburger menu will be white with a blurred image over the relevant page

Buttons

- text buttons will be yellow with black borders.
- cancel buttons will be orange with black borders.
- back buttons (in the page header) will be white with black borders.
- back buttons (in pop-ups) will be orange with black borders.
- hamburger buttons will be grey with black borders.
- text inputs will be grey with black borders.

Header

- header will be yellow color and contain the page title, hamburger and the back arrow

List of Trip Summaries-

- trip summaries will be yellow with black borders.
- future trips will include an orange cancel button

All text will be black.

2.3 Font Style

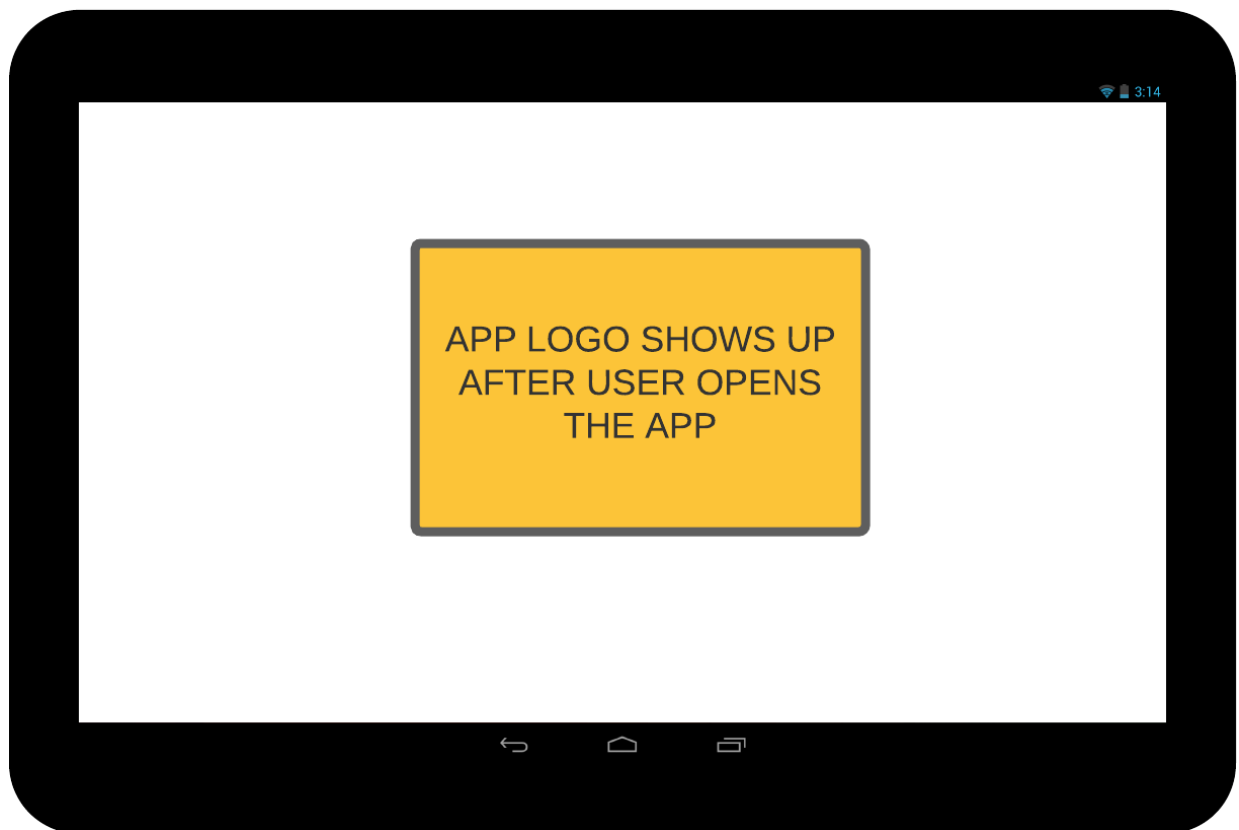
Arial*

**Liberation Sans in Lucidchart*

All buttons in capital letters

3.0 Wireframes

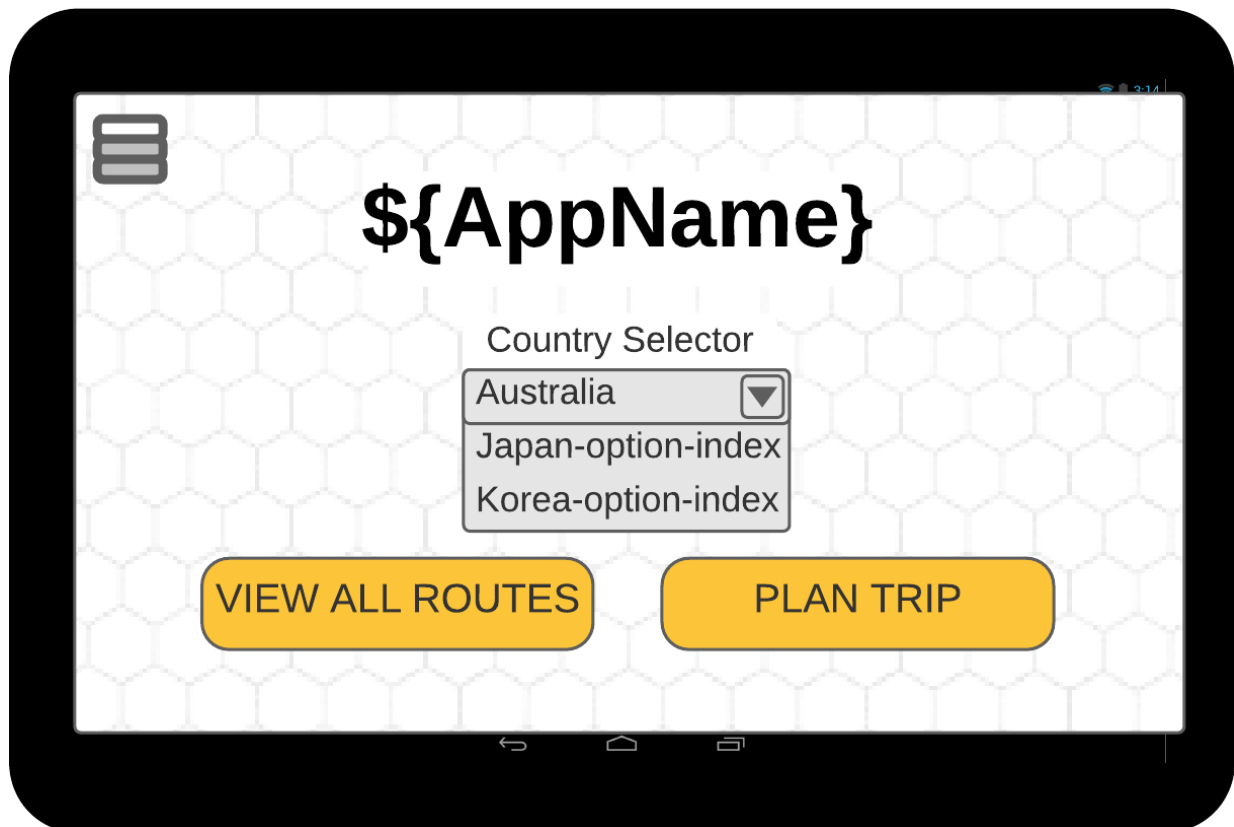
3.1 Welcome



Page Description: This will be the first page which will be visible when the user opens the app, where it shows the logo of the app with a white background. After this, the app brings the user to the homepage.

***User has no control over this page.**

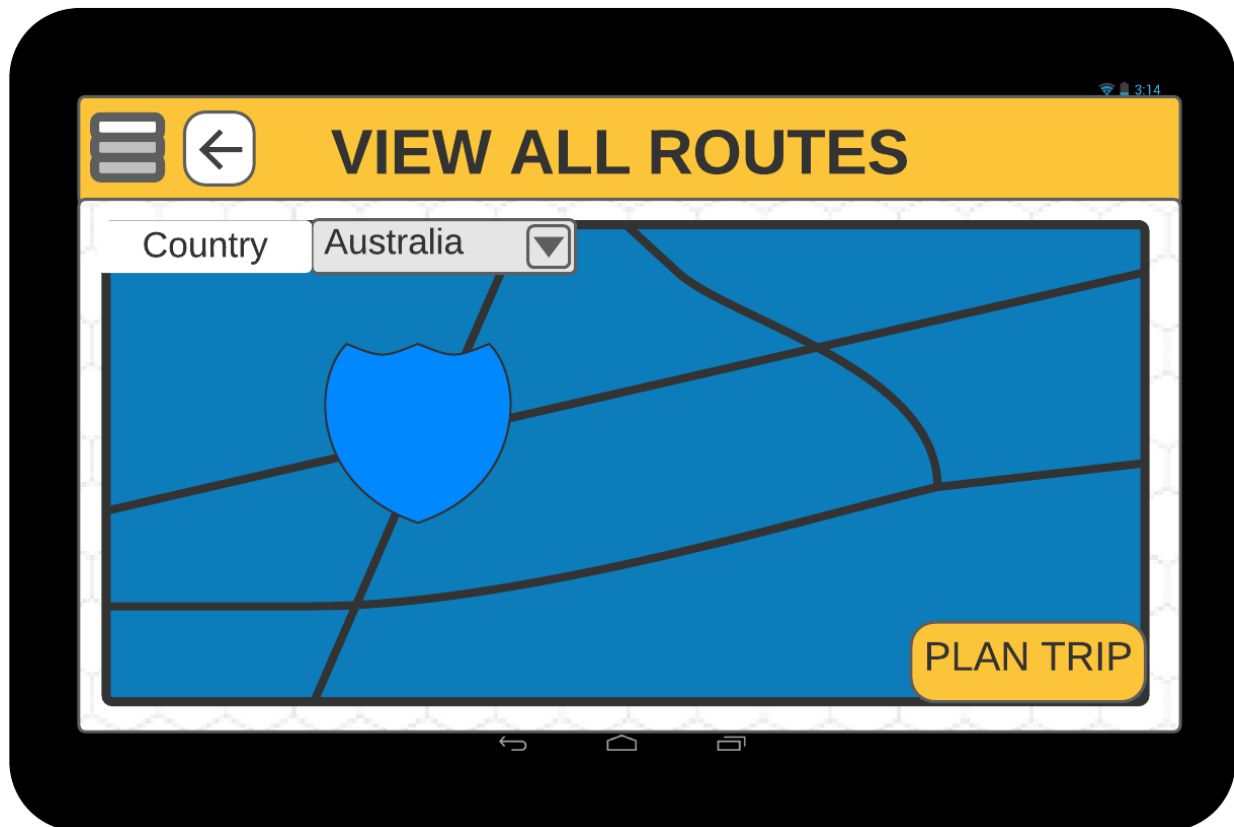
3.2 Home



Page Description: This will be the homepage where it contains an app name at the top of the page of size 38pt. Below the app name, at the centre of the page, there will be a drop-down menu for country selection. After the user has chosen the country, they can either view all routes or proceed to the trip planner.

***User must choose a country in order to click either the view all routes or trip planner buttons and access the respective pages.**

3.3 View All Routes



Page Description: This will be the view all routes page where the user gets to see all the routes to the country through a map where they will choose the desired route. There is a drop-down menu for country selection at the top left of the map if the user wishes to change the country. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. The app logo, back button and the page name will be in the page header section. Lastly, there will be a plan trip button on the bottom right of the map to proceed to the next page.

***User has to choose a route in the map in order to click the plan trip button and move on to the next page.**

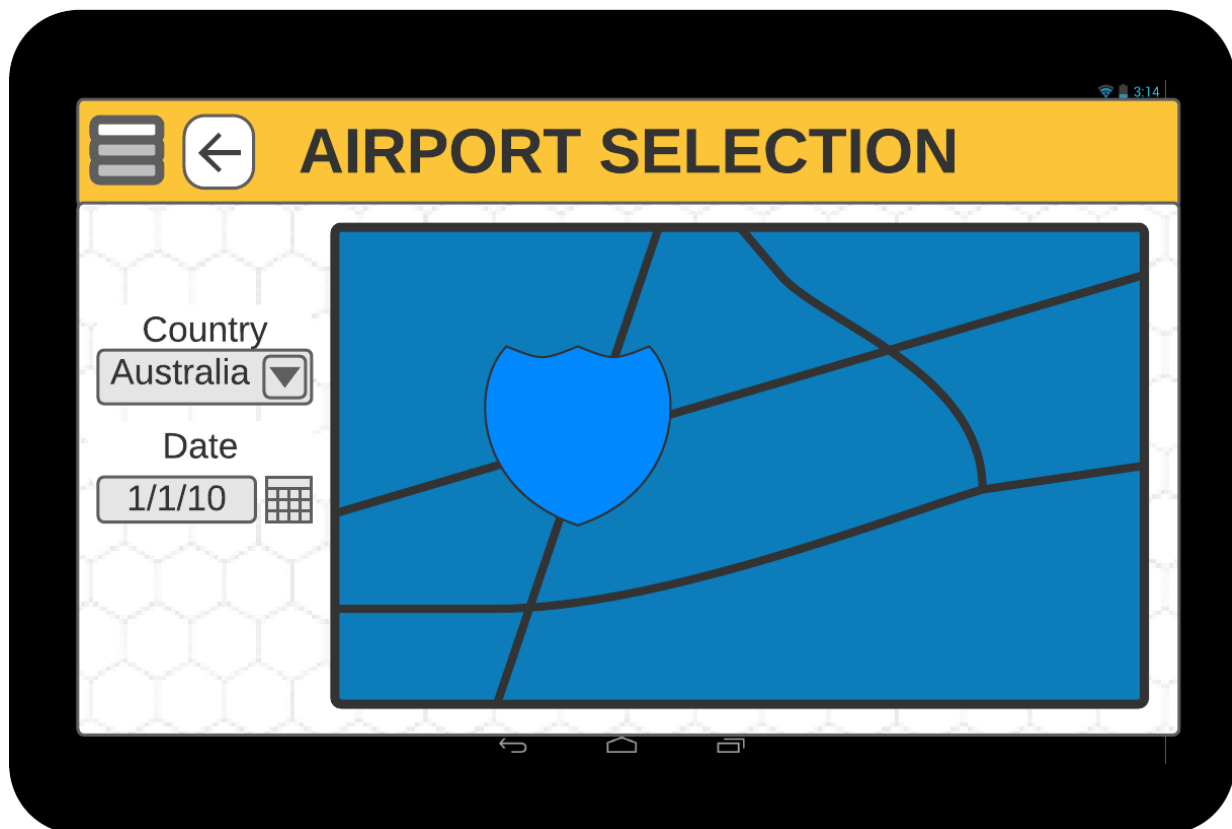
3.4 Date Selector Pop-Up



Page Description: This will be a pop-up page where it will ask the user to enter the desired date. There will be a back button on the top left of the pop-up page to go to the view all routes page and on the bottom right, there is a confirm button to proceed to the next page.

***User needs to choose a date in order to click the confirm button and move to the next page.**

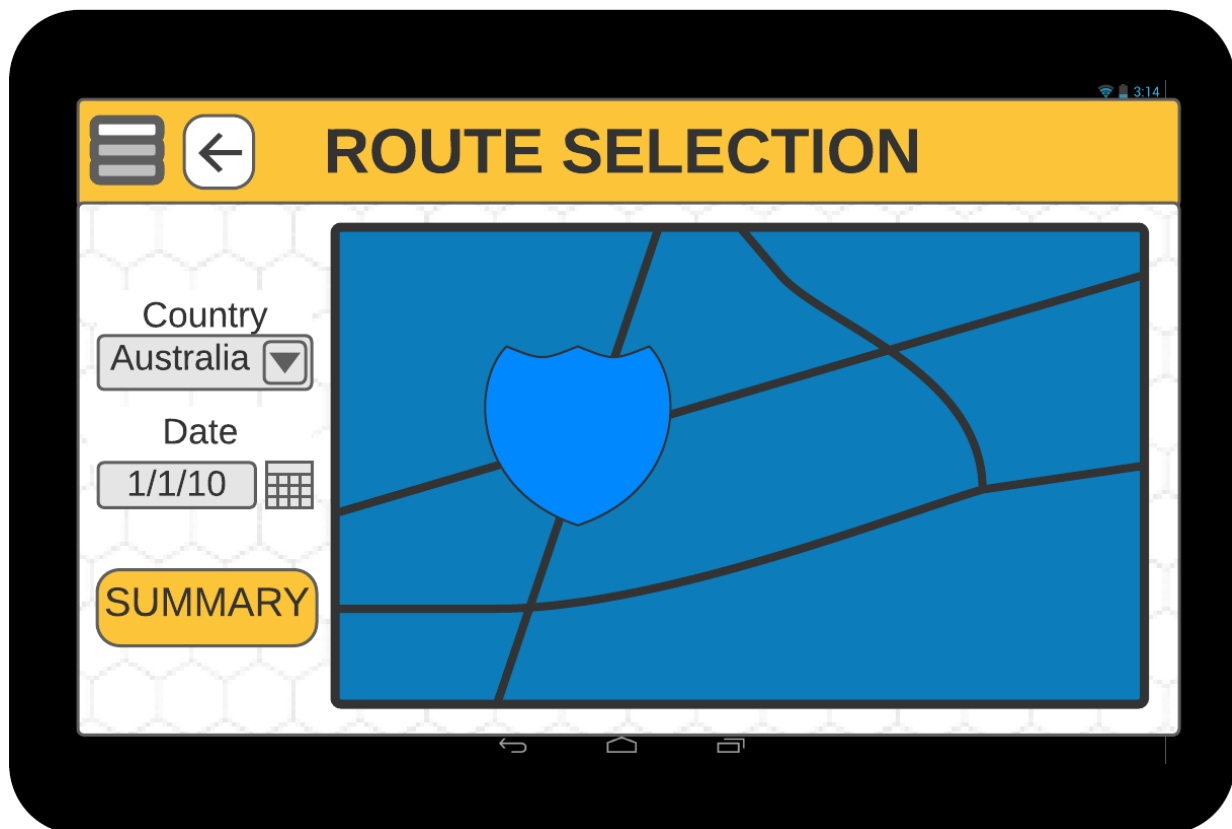
3.5 Airport Selection



Page Description: This will be the airport selection page where there will be a map showing the available airports in the chosen country and date. There will be a dropdown menu for country selection and below this, there will be a date selection for the user if they wish to make any changes to their selection. On the top right of the page, there will be a route selection button for the user to move to the next page. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name and the route selection button will be in the page header section.

***User must choose an airport in order to click the route selection button and proceed to the next page.**

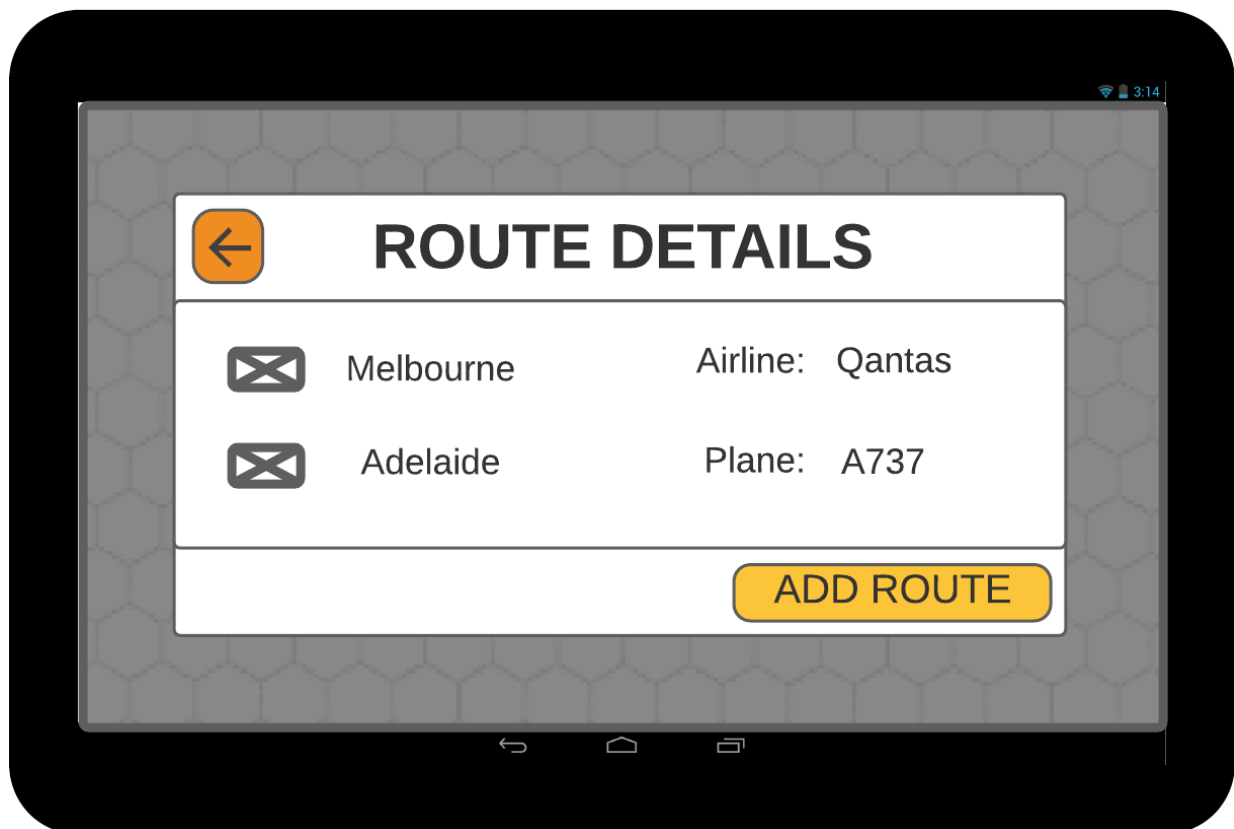
3.6 Route Selection



Page Description: This will be the route selection page where there will be a map showing the available routes in the chosen country and date. On the left side of the page, there will be a dropdown menu for country selection and below this, there will be a date selection for the user if they wish to make any changes to their selection. On the bottom left of the page, there will be a summary button for the user to move to the next page. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name will be in the page header section.

***User must choose the route in the map in order to click the summary button and proceed to the next page.**

3.7 Route Details Pop-Up



Page Description: This will be a pop-up page where it will show the user the details of the chosen route. There will be a back button on the top left of the pop-up page to go to the route selection page and an add route button on the bottom right to add another route to the trip. Beside it, there is a view trip summary button to proceed to the next page.

3.8 Trip Summary (Unconfirmed Trip)

The image shows a tablet displaying a 'TRIP SUMMARY' pop-up window. The window has a white background and a grey border. At the top left is an orange square button with a white left-pointing arrow. The title 'TRIP SUMMARY' is in bold black text. Below the title are three input fields: 'Country: Australia', 'Date: 1/10/20', and 'Stops: 1'. Below these are two more input fields: 'Start: Melbourne' and 'End: Adelaide'. To the right of these is a list of stops. The first stop is '1 MBL - DAR' with an orange square button containing a white 'X' to its right. The second stop is '2 DAR - ADL' with a similar orange square button containing a white 'X' to its right. At the bottom right of the window is a yellow rounded rectangular button with the text 'FINISH' in black. The background of the tablet is a dark grey with a hexagonal pattern. The tablet's status bar at the top right shows a Wi-Fi icon, a battery icon, and the time '3:14'. The tablet's home indicator bar at the bottom shows three icons: a back arrow, a home button, and a recent apps button.

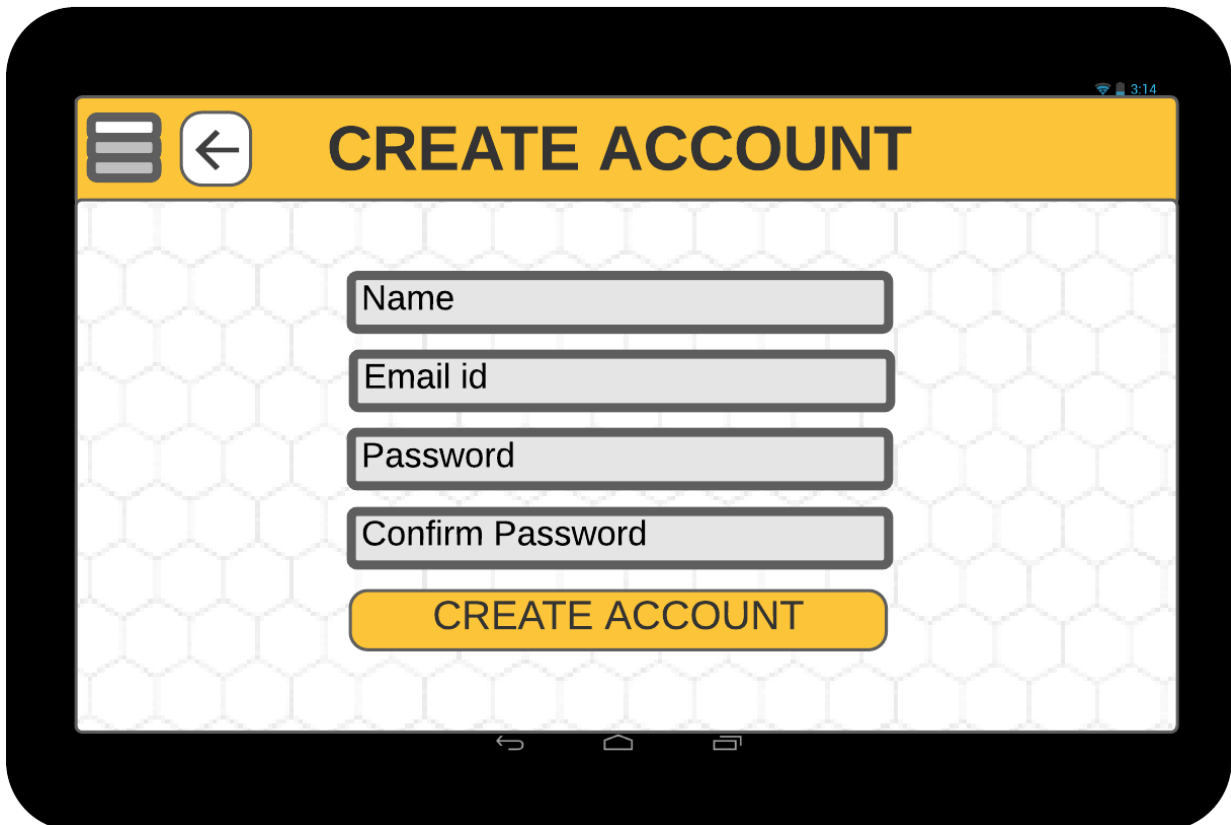
Page Description: This will be a pop-up page where it will show the user the trip summary. There will be cross-shaped icons beside each selected route for user to delete if they want to make changes to the trip. There will be a back button on the top left of the pop-up page to go to the route selection page and on the bottom right, there is a finish button to confirm the trip.

3.9 Login Page



Page Description: This will be the login page and there will be 2 input fields at the center of the page for the user to enter the email id and password. Below this, there will be a log in button and below this, there will be 2 buttons beside one another which are the create account and continue as guest buttons. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name will be in the page header section.

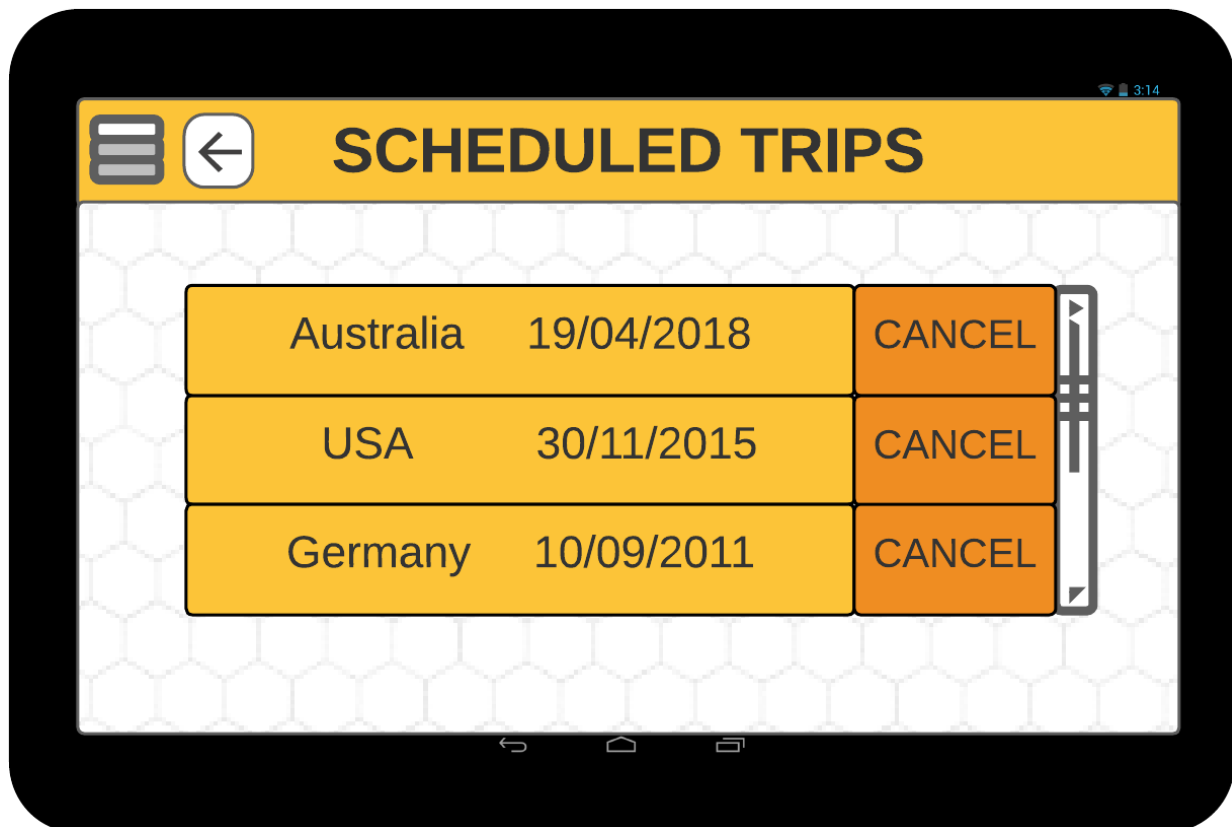
3.10 Create Account Page



The image shows a mobile application interface for creating an account. The top section is a yellow header bar containing a menu icon (three horizontal lines), a back arrow icon, and the text 'CREATE ACCOUNT'. Below the header, the main content area has a light gray background with a hexagonal pattern. It features four stacked input fields with labels: 'Name', 'Email id', 'Password', and 'Confirm Password'. Below these fields is a yellow button with the text 'CREATE ACCOUNT'. At the bottom of the screen, there are three small navigation icons: a back arrow, a home icon, and a recent apps icon.

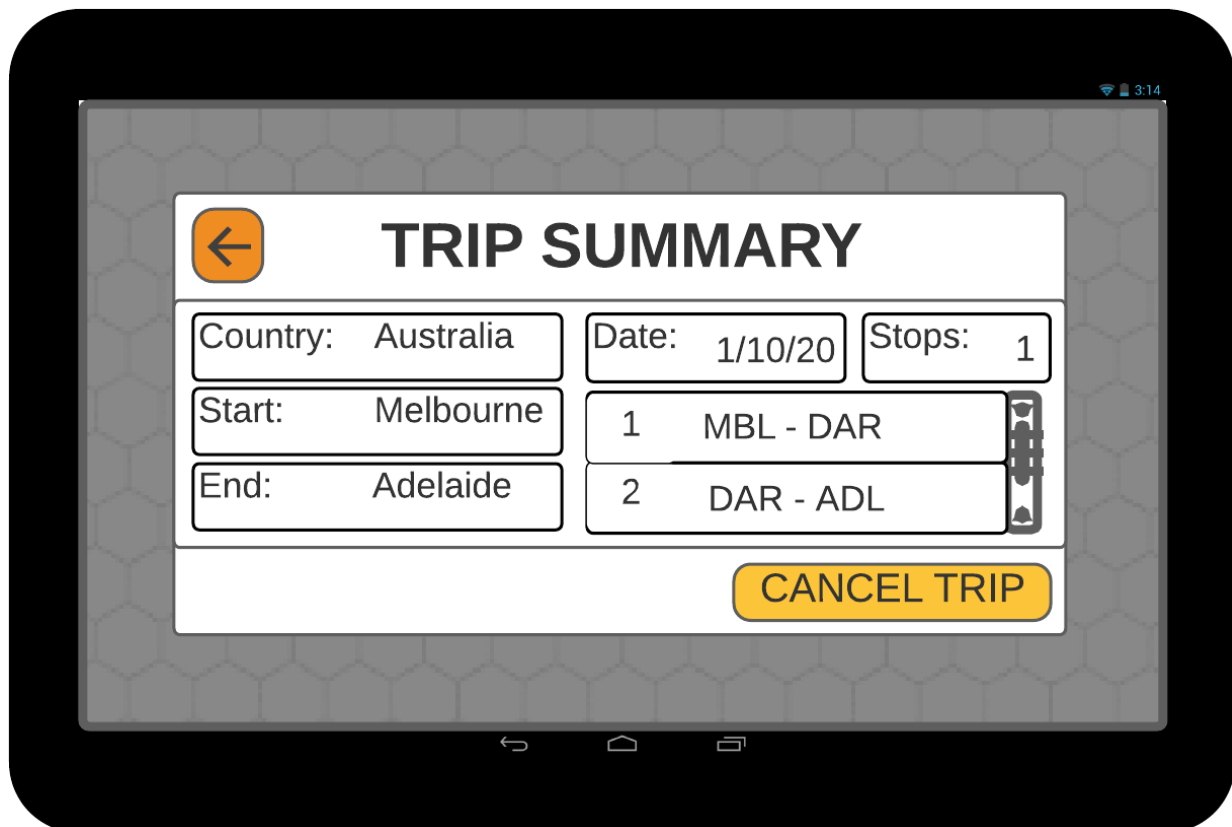
Page Description: This will be the create account page and there will be 4 input fields at the center of the page for the user to enter the name, email id, password and confirm password. Below this, there will be the create account button. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name will be in the page header section.

3.11 Scheduled Trips Page



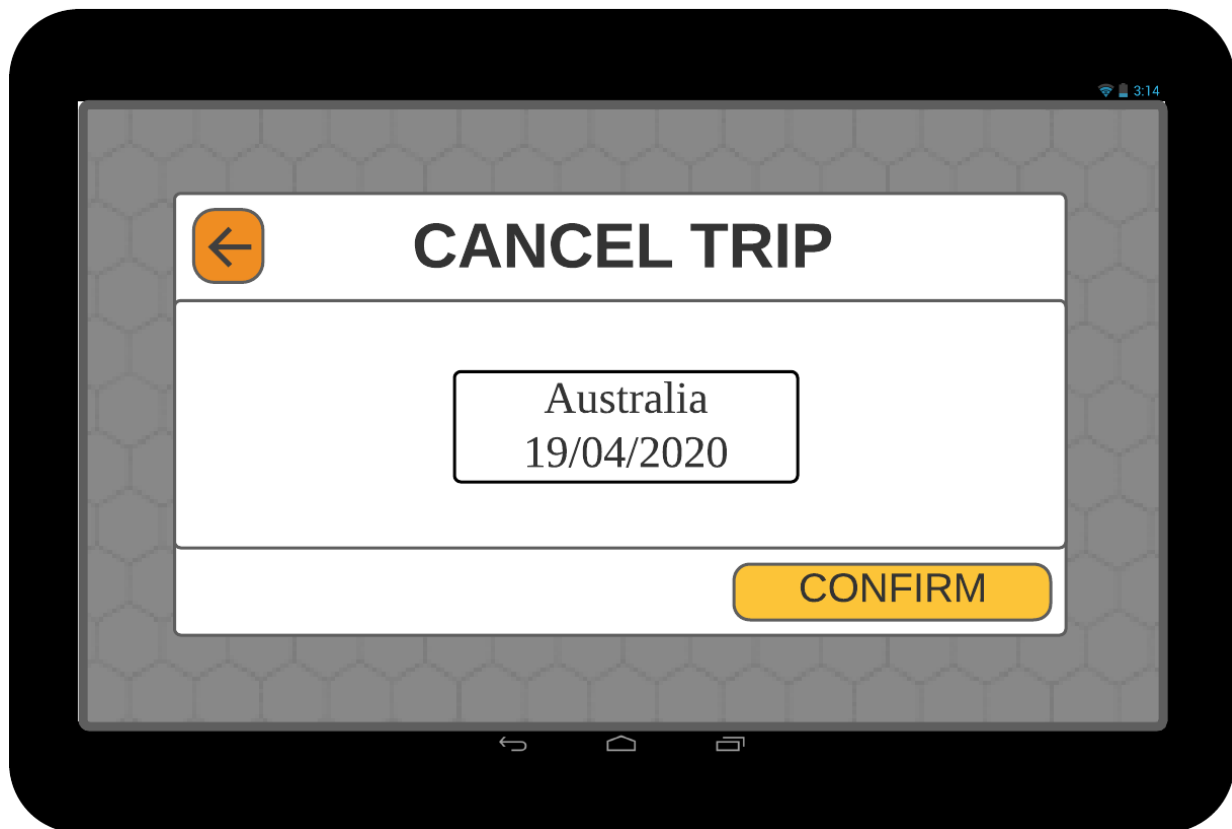
Page Description: This will be the scheduled trips page where it shows the list of trips that are being scheduled by the user. It will be shown in the center with each row containing the specific details of each trip with the most recent at the top and the oldest at the bottom. There will be a cancel button in each column beside each trip for the user to delete the trip if they want to make changes. There will be a scroll bar on the right side of the scheduled trips list. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name will be in the page header section.

3.12 Trip Summary Pop-up Page (Scheduled Trip)



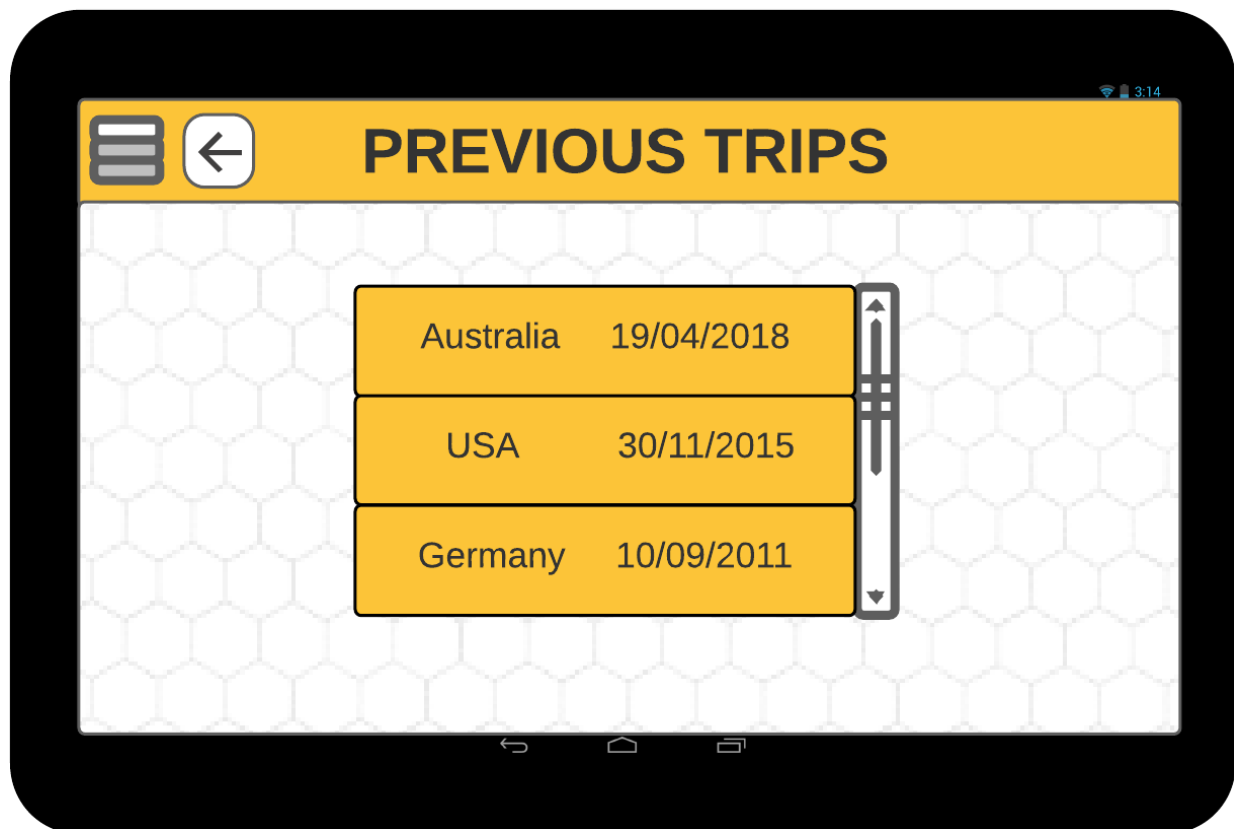
Page Description: This will be a pop-up page where it will show the user the trip summary if the user clicks a specific trip column in the scheduled trips page. There will be a back icon button on the top left of the pop-up page to go to the route selection page and on the bottom right, there is a cancel trip button to delete the trip.

3.13 Cancellation Confirmation Pop-Up Page



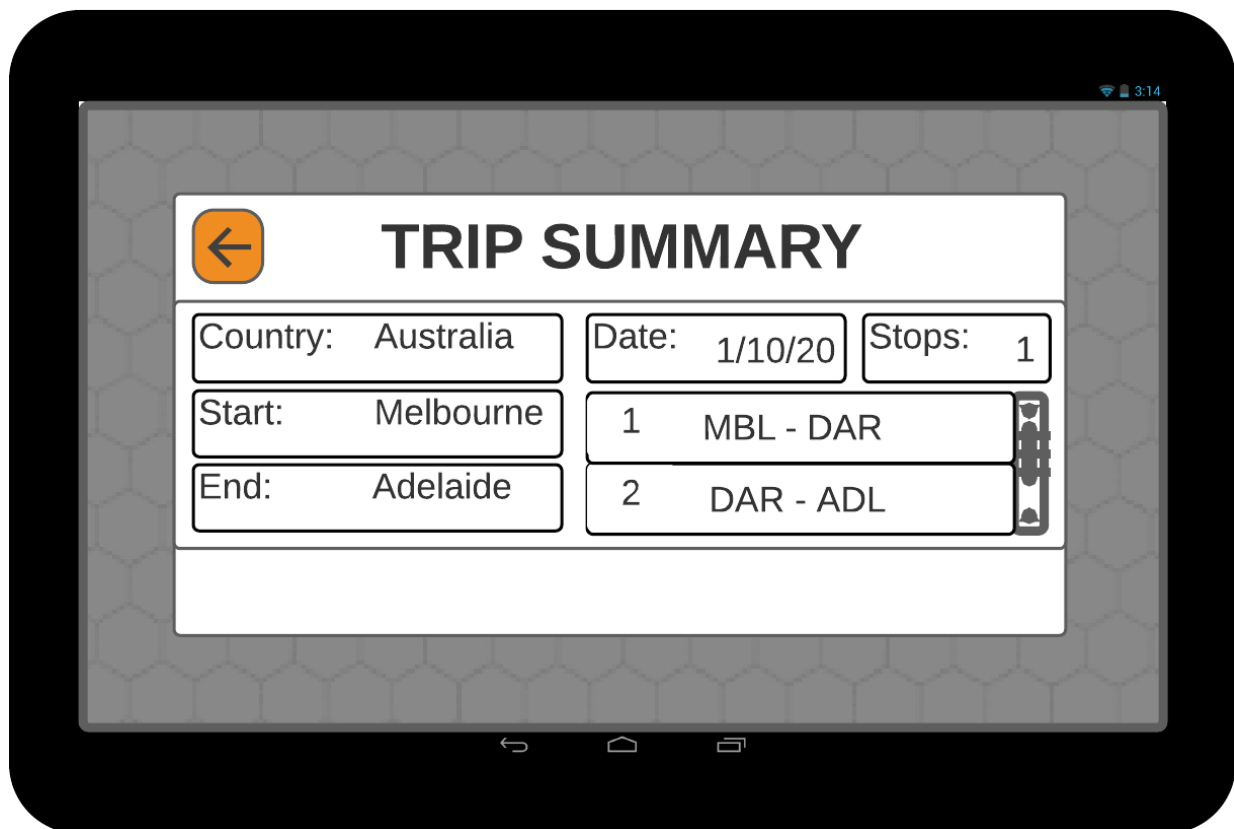
Page Description: This will be a pop-up page where it will ask the user to confirm if they want to delete the trip. There will be a back button on the top left of the pop-up page to go to the trip summary page and on the bottom right, there is a confirm button for the user to provide confirmation to delete the trip.

3.14 Previous Trips Page



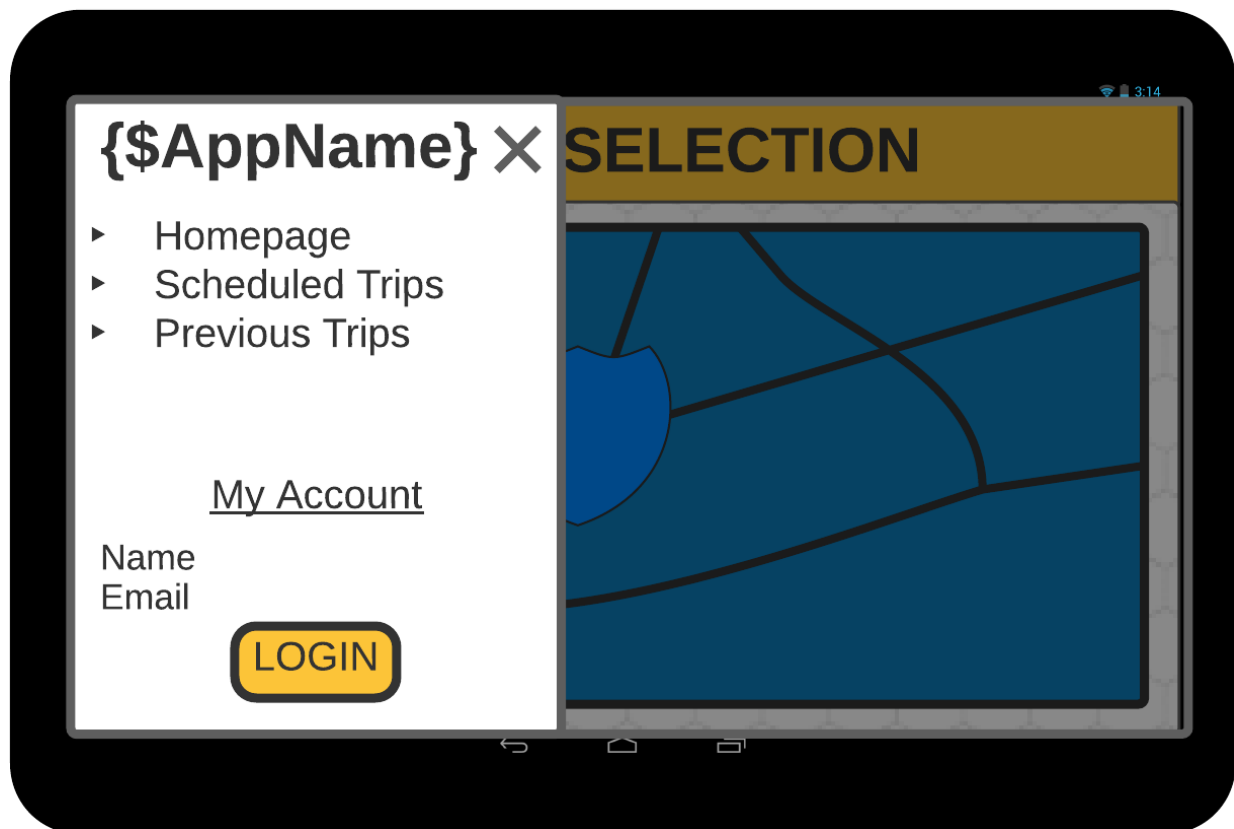
Page Description: This will be the previous trips page where it shows the list of trips that were previously scheduled by the user. It will be shown in the center with each row containing the specific details of each trip with the most recent at the top and the oldest at the bottom. There will be a scroll bar on the right side of the scheduled trips list. There is the app logo on the top left of the page which acts as the menu bar for the side panel. Beside it there will be a back icon for users if they wish to visit the previous page. These app logo, back button including the page name will be in the page header section.

3.14 Trip Summary Pop-up Page (Past Trip)



Page Description: This will be a pop-up page where it will show the user the trip summary of past trips if the user clicks a specific trip row in the previous trips page. There will be a back-icon button on the top left of the pop-up page to go to the previous trips page.

3.15 Hamburger Menu



Page Description: This will be the contents in the sidebar. This can be viewed by the user when they click on the app logo at the top left of the page which acts as a menu bar for the sidebar. In the sidebar, at the top there will be the app's name of size 38pt. Below this, there will be a list of pages for users to access. Below this, there is the account details of the user which will be displayed which contains the name and email id. At the bottom of the sidebar, there will be a login button for the user which when clicked, will bring them to the login page.

4.0 Class Design

