ENG1003

Assignment 2

Requirements Gathering

Buzz Flightyear

Trip Planner

Team 32

Alex Hofmann
Amarnath Ilangovan
Anushka Reddy
Chin Yew Yeoh

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 List of Features

1. Homepage
2. Map
3. Country Selection
4. Date Selection
5. Airport Options
6. Trip Selection
7. Trip Details
8. Multiple trips
9. Booking Summary
10. Login Page
11. Account Creation Page
12. Scheduled Trips Page
13. Past Trips Page

3.0 User Stories

3.1 Homepage

Title:
Homepage details

User Story:
As a user, I want to schedule for a trip from the homepage so that it would be easier to find airports and trips with minimal effort.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. There will be a welcome message.
2. There will be a schedule icon in the homepage.
3. There will be a map icon in the homepage.
4. Once the schedule icon is clicked, there will be 2 inputs to be entered.

Title:
Homepage input details

User Story:
As a user, I want to have less information to be entered into the input so that it is easier to find the desired outcome with minimal effort.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. The 2 inputs that need to be entered are the country and the date.
2. This information needs to be entered in order to proceed to the next page of the application.
3. Map will show up with the desired outcome.
4. The airport needs to be chosen in order to get all the information about the available routes from the location.

3.2 Map

Title:
Map showing airport details

User Story:
As a user, I want to see all the airports in the country so that it will be convenient for me to check all the nearby available airports in the desired location.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. When the app is opened show the map.
2. Map should show all the available nearby airports through red dots.
3. The red dots must be clickable.

Title:
Map showing route details

User Story:
As a user, I want to see all the routes from the chosen airport in the map so that it is convenient to check all the available routes to the desired location.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. All the domestic routes from the airport will be displayed only after the airport is chosen in the location.
2. A domestic route will be chosen.

3.3 Country Selection

Title:

Input section for the country selection

User Story:

As a user, I want to have a data list with a list of all the domestic countries so that it is easier to enter the desired input into the section.

Expected Delivery Time:

Week 8

Acceptance Criteria:
1. Input box needs to be clicked to enter the values.
2. There will be a dropdown box displaying a list of all the countries.

3.4 Date Input

Title:

Input section for the date selection

User Story:

As a user, I want to have an input tag to enter the option of date, month and year so that it is easier to enter the desired input into the section.

Expected Delivery Time: Week 8

Acceptance Criteria:
1. Input box needs to be clicked to enter the values.
2. There will be a dropdown box displaying the date, month and year.

3.5 View Routes

Title:
Domestic Airport Appearance

User Story:
As a user, I want to see all the routes out of all the airports of the given country shown on the map once I have input a country and a date.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. Country has been chosen
2. Map shows the selected country
3. Date has been chosen
4. All domestic airports in that country appear shown on the map as red dots/buttons with all domestic routes

Title:
Domestic Airport Selection

User Story:
As a user, I want to be able to click on the airport that I want to fly out of

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. Domestic airports have appeared as red buttons on the map.
2. An airport can be chosen by clicking on the red button.

3.6 Trip Selection

Title:
Trip Selection Pop-Up

User Story:
As a user I want a pop-up window to appear when I select a trip.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. A pop-up window will appear of the chosen trip with all the relevant information for that trip: including destination and name of the airline.
2. Closing the pop-up window will return to the previous page with the selected destination.

Title:
Trip Addition Button

User Story:
As a user I want a button that will add a trip to the trip itinerary and return to the map so that the itinerary can be filled out with all required trips.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. Clicking the button will add the trip to the trip schedule list.
2. The pop-up window will disappear and the map will now show the possible routes of the airport that is the destination of the previous trip on the trip schedule.

3.7 Trip Details

Title:
Trip Detail Summary

User Story:
As a user I want to see a summary of trip details when I choose a trip

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. Trip details will appear in a pop-up box on the screen when the trip Detail button is chosen.
2. Trip details include destination of the trip and the name of the airline that is operating the trip.

3.8 Multiple trips

Title:
Selection of multiple trips per trip

User Story:
As a user, I want to be able to create a multi-trip itinerary

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. After selecting the first destination airport, there will be 2 buttons: 'End Trip' and 'New trip'.
    a. The first button will create the trip as a single trip between the 2 airports, while the second will create another trip, making the current destination airport into the new starting airport
    b. The process for selecting a destination airport will be the same
2. The above step repeats until the user taps 'End Trip'

3.9 Booking Summary

Title:
Summary Page

User Story:
As a user, I want to see the summary of the trip I have booked.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. It should include the name of the airport departing from, the date and time of the trip with total time duration, aircraft name, passenger details like the name, seat number., the baggage check-in.
2. It should appear as a pop-up box.

3.10 Login Page

Title:
Login Page

User Story:
As a user, I want to see the login page to save my trip details.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. When the user clicks on confirm booking on the previous page, it should be asked after booking the trip if the user wants to save that by creating an account or logging into an account. It should lead to this login page.
2. If the user chooses to not login then take the user back to the home page.
3. It should give the option to choose from login or create an account for every user.
4. It should have the option to input Email and password.

3.11 Account Creation Page

Title:
Create an account option

User Story:
As a user, I want to be able to see the create an account option in the login page.

Expected Delivery Time:
Week 9

Acceptance Criteria:
1. This option should be available just below the login button as 'or create an account'.
2. It should lead the user to a link to an account creation page.

Title:
Account Creation Page

User Story:
As a user, I want to be able to create an account after clicking on the option available in the login page.

Expected Delivery Time:
Week 10

Acceptance Criteria:
1. The account creation page should ask for the user's name, email, password and confirm password.
2. It should have a create an account option which upon clicking should take the user to the next page.

3.12 Scheduled Trips Page

Title:
Viewing scheduled trips

User Story:
As a user, I want to be able to view the upcoming trips I have scheduled

Expected Delivery Time:
Week 10

Acceptance Criteria:
1. Once the user logs in, there will be a small panel in the top left corner with the heading 'Upcoming/Scheduled Trips'.
    a. Below that, the departure and arrival airport, and date, of any upcoming trips is shown.
    b. Upon tapping the respective trip(s), the full details of that leg will be displayed (departure airport, trip number, arrival airport

3.13 Past Trips Page

Title:
Viewing past trips

User Story:
As a user, I want to be able to view the details of trips that I took in the past.

Expected Delivery Time:
Week 10

Acceptance Criteria:
1. Any past trip is defined as having ended before the current date & time
2. Once the user logs in, there will be a small panel in the top right corner with the heading 'Past Trips'.
    a. All trips that have ended before the current date & time will be displayed here with only the main details (departure & destination airport for each leg)
    b. Upon tapping the respective trip(s), the full details of that leg will be displayed (departure airport, trip number, arrival airport.