

**Assignment 2**

# **Test Plan for View Scheduled Trip Detail**



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**ENG1003: Engineering Mobile Apps**

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# **1. Project Information**

## **1.1 Document Purpose**

This document is intended to be used for the testing of one section of the code in order to find any defects or errors in the code and functionality.

## **1.2 Specification of feature being tested**

The feature and acceptance criteria that is to be tested is the details page of scheduled trips. The functionality of all components of the details page are to be tested through system/integration testing and unit testing.

### **1.2.1 Description of feature**

The view scheduled trip detail feature is first accessed by clicking the “View More” button on a specific trip on the scheduled trips page. It allows the user to access the detailed information of the selected trip. This includes the trip name, date of departure, the departure and destination airports, as well as the stops between the flights. This page also features a map indicating the overall route path to provide a visual representation of the trip to the user for a clearer understanding. The user can also click a “Delete” button to delete and cancel the currently viewed trip.

### **1.2.2 Acceptance Criteria**

The following are the key acceptance criteria from the user story discussed with the client.

1. If the user clicked on a specific scheduled/history trip, the user will be redirected to this page to view the details of the selected trip.
2. The registered user should be able to see the summary and a map of the trip, this include departure and destination airports, date of the trip, stopover destinations and the total number of stops on the bottom half of the page.
3. The user should be able to delete the currently viewed trip plan on the new page.

## 2. System / Integration Tests

Table 1: System and Integration Tests completed

Test Number	Reason for Test	Input	Expected Output	Actual Output	Test Passed?
01	When the trip is deleted by the user, the trip should be removed from the scheduled trips page and from local storage.	Action: Click on the “Delete” button on Detailed Trips page	Trip no longer found on scheduled trips page and local storage	The trip is removed and is also removed from the local storage	Pass
02	The map should be correctly centered and zoomed to country of trip and relevant routes are also visible	Action: Click on the “View More” button on the scheduled trips page	Map displays polylines for the routes and works seamlessly with the initial zoom and centering	The map correctly pans to the country of the trip, and polylines and routes are clear from inspecting the map	Pass
03	The application logo should redirect the user to the homepage	Action: Click on the application logo	Redirect the user to the homepage	Successfully redirects user to homepage	Pass
04	The schedule trip page on the navigation bar should redirect the user to the scheduled trip page.	Action: Click on Schedule trip button on the navigation bar	Redirect the user to the scheduled trip page.	Successfully redirects user to the scheduled trip page	Pass
05	The history trip page on the navigation bar should redirect the user to the scheduled trip page.	Action: Click on History trip button on the navigation bar	Redirect the user to the history page.	Successfully redirects user to history page	Pass
06	The Logout on the navigation bar should redirect the user to the scheduled trip page.	Action: Click on Logout button on the navigation bar	Redirect the user to the login page.	Successfully redirects user to logout page	Pass

### 3. Unit Tests

Table 2: Unit Tests completed

Test Number	Reason for Test	Input	Expected Output	Actual Output	Test Passed?
07	To ensure that the “Delete” button removes the correct trip.	Action: Click on the “Delete” button on Detailed Trips page	Redirect the user to the scheduled trip page and remove the trip.	The selected trip is deleted and redirected to scheduled trip page	Pass
08	To prevent the user from clicking the “Delete” button by mistake, confirmation should be displayed	Action: Click on the “Delete” button on Detailed Trips page	Display alert to the user “Confirm to delete this trip”.	An alert box pop-up for confirmation	Pass
09	To ensure that the table displays all the relevant information for current trip	Action: Click on the “View More” button on the scheduled trips page	Trip information displayed next to their respective categories for the selected trip	The view more button is displaying incorrect information for a different scheduled trip	Fail
10	To ensure that the map has polylines to represent routes of the trip and corresponding country.	Action: Click on the “View More” button on the scheduled trips page	Routes between airports of the selected trip are clearly visible on the map and are displayed in the corresponding country.	Routes between airports of the selected trip are visible and displayed on the map in the correct country.	Pass

## 4. Test Results Summary

Most tests were successfully completed, with only one failed test. These results are displayed in Tables 1 & 2, where all tests which pass the expected output are highlighted in green, while those with fail results are highlighted in red. Action has been taken on the test that failed, with details provided in Table 3.

*Table 3: Failed Tests and actions taken to rectify errors*

Test Number	Action taken to rectify the error	Input	Expected Output	Actual Output	Test Passed?
09	On the scheduled trips page, the order is rearranged to have the latest trip first, but not saved to local storage. Updating the local storage when trips are rearranged should stop the view more button showing the wrong trip.	In the sort by date function, add a line before the return statement to update the local storage of the current user.	The details page should now populate with the correct trip information chosen from the scheduled or history pages	The correct trip information is now shown	Pass