

Team 000000000111
Airport Map
Test Report

Revision History

Authors	Description of Change	Sections	Rev	Date
Lola	Add some test results	4	1	4/29/18
Christine	Added test results	4	1	5/10/18

Table of Contents

1	Team Description	4
2	Introduction	4
2.1	Identification	4
3	Test Results	5
3.1	Test Case 1 Results	6
3.2	Test Case 2 Results	7
3.3	Test Case 3 Results	8
3.4	Test Case 4 Results	9
3.5	Test Case 5 Result	10
3.6	Test Case 6 Result	11
3.7	Test Case 7 Result	12
3.8	Test Case 8 Result	13
3.9	Test Case 9 Result	14
3.10	Test Case 10 Result	15
3.11	Test Case 11 Result	16

1 Team Description

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2 Introduction

The Test Report follows the test procedures outlined for each test case. There are 11 test cases in total.

2.1 Identification

Software Revision Tested:	Airplane-Project version 2
Revision Release Date:	4/28/2018

3 Test Results

Test results were performed on Airplane-Project version 2, using the command-line interface and a PC with keyboard for input.

Operating system for testing the program was Xubuntu Linux.

3.1 Test Case 1 Results

Description:

Airport map program started successfully, able to login as the FAA user. Selected to input one vertex at a time. First vertex was inputted as X1: 3, Y1: 3, name: LA. Second vertex inputted as X2: 5, Y2: 7, name: VN. Third vertex was inputted as X3: 3, Y3: 3, name: WE. System did not add this vertex, "error, vertex already exists". All test procedures worked without bugs and completed successfully.

Bugs Found: [No bugs so far --Lola]

- 1)
- 2)
- 3)

3.2 Test Case 2 Results

Description:

For this test case the two vertices from Test 1 were used. Selected to add an edge to the map, and inputted the two vertices by their X and Y coordinates. Selected to show the airport map, graph showed the vertices connected by their edge added to the map. Selected to add an edge to the map, inputted the two previous vertices again. Selected to show the airport map, graph is the same as before.

Bugs Found:

- 1) When adding an edge to two vertices that already have an edge, the system does not say an edge already exists there. (RID-0019)
- 2)

3.3 Test Case 3 Results

Description:

After creating an edge between the two vertices, exited the FAA user and entered the Airline user. As Airline user, selected to create a path, and inputted the two vertices from the graph. System responded that the path was saved.

Bugs Found:

- 1) Shortest path was not calculated or displayed after creating the path. (RID-0027, 0028)
- 2) Path was automatically saved after creation, which may conflict with testing Test Case 4.
- 3)

3.4 Test Case 4 Results

Description: After creating path the system automatically saved the path. Test case 4 could not be tested.

Bugs Found:

- 1) Flight paths should be displayed
- 2) Saving should be optional

3.5 Test Case 5 Results

Description: Selected Delete a Path. Input vertices for the path that had just been saved. Switched to Airline user to display saved paths, however the result was the same and was unclear.

Bugs Found:

- 1) Path was not deleted
- 2) Notification was not sent

3.6 Test Case 6 Results

Description: Selected to Disable a Vertex. Input vertices for a vertex that had previously been created. Selected to display map but result was unclear. Selected to add vertex and disabled vertex was still visible.

Bugs Found:

- 1) A time frame for being disabled was not presented.
- 2) Unclear if vertex was disabled
- 3) No notification was generated

3.7 Test Case 7 Results

Description: Selected to disable a edge. Inputted vertices for an edge that had previously been created. No way to verify if the edge was disabled.

Bugs Found:

- 1) Time period for disabling was not presented
- 2) No way of verifying that the edge was disabled

3.8 Test Case 8 Results

Description: Selected to enable the vertex. Inputted the coordinates for the vertex disabled in test

Bugs Found:

- 1) No way to verify that the operation was successful

3.9 Test Case 9 Results

Description: Selected to enable edge and inputted vertices of edge disabled from test 7.

Bugs Found:

- 1) No clear indication that edge was enabled

3.10 Test Case 10 Results

Description: Selected to delete a vertex and inputted the coordinates for a vertex created earlier. System crashed.

Bugs Found:

- 1) System crashed

3.11 Test Case 11 Results

Description: Selected to delete an edge. Input the vertices. System crashed.

Bugs Found:

- 1) System crashed when vertices were inputted.