

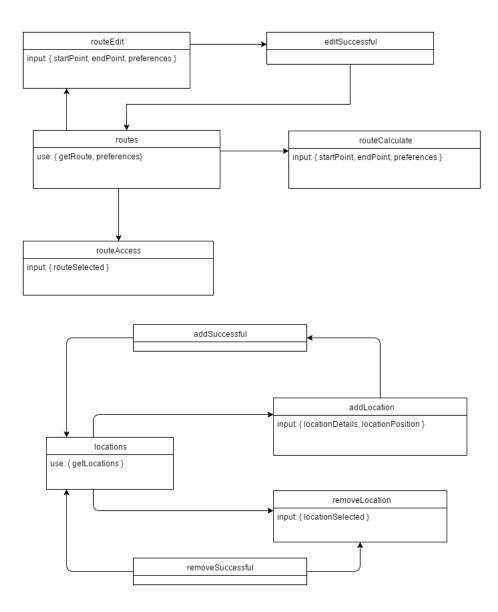
Team Broadsword Testing Report

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1 Test Model



2 Service Contract Testing

2.1 Testing to get the route getRoute() - Getting and returning a route

- 7/10
- No parameters are accepted by the method in order to be able to test live data
- Test cases are generated, thus only test cases can be tested with a fixed response each time.
- The method works, just not with live data.

2.2 To modify a location modifyLocation() - Modify a location object

- 6/10
- creates fixed and static location object
- Not working with actual data
- The method has no return or output.
- cannot test the output as there is no output or return

2.3 addLocation(), removeLocation() - Adding and removing location objects

- 0/10
- Nothing in the function at all
- No logic present
- void call

2.4 modify route modifyRoute() - Changing existing route objects (Swap old route and the new route)

- 1/10
- No route has been tested
- Blank empty route object has been created instead.

2.5 calculate route calculateRoute() - Calculate a new route between two locations

- 1/10, The method structure was implemented, but always returns null.
- Not return or displays nothing
- Helper function called, calls another function that always returns null.

2.6 Access Route - accessRoute() / saveRoute() / deleteRoute() / recordRoute()

- 1/10
- Tried to test function but nothing is coded.
- No logic present, but test was included.

3 Non-Functional Requirements

Create a list of non-functional requirements tested, then evaluate each of these giving a mark out of 10 and writing comments to justify the mark.

- None given.
 - -0/10
 - No non-functional requirements were given or implemented. Thus there is nothing to test and no marks can be awarded

4 Evaluation of test cases

4.1 LocationTest class

- (2/10)
- addLocation() method : Nothing implemented as test case
- modifyLocation() method: No reference to the actual object being modified
- removeLocation() method: Nothing implemented as test case

4.2 NavigationHandlerTest class

- (7/10)
- addLocation() getRoute() method: not correctly implemented no handling of exceptions thrown
- modifyLocation()accessRoute() method: working correctly
- deleteRoute() method: working correctly
- recordRoute() method: actual object created and recorded, working correctly
- saveRoute() method: working correctly
- modifyRoute() method: working correctly
- calculateRoute() method: working correctly
- safePreferences() method: current method implemented doesnt receive parameter but a parameter is passed, method not working

4.3 RoutesTest class

- (5/10)
- addRoute() method: working correctly
- removeRoute() method: working correctly

- getRoute() method: working correctly
- search() method: Nothing implemented as test case
- getRoutes() method: perfectly fine
- modifyRoute() getPreferedRoute() method: nothing actually fetched as route
- savePreference() method: because nothing stored unable to test this function
- modifyRoute() method: seems to be working fine

4.4 RouteTest class

- (1/10)
- getName() method: Nothing returned it is a void
- calculateRoute() method: seems fine but no route returned it is a void
- getLocations() method: seems fine but no Boolean returned it is a void

The logic is present and some functions are implemented just that most of the methods are void so currently no data returned, in other word all test cases should work which is not correct. Average mark for this section is 4/10