INFORMATICS INSTITUTE OF TECHNOLOGY

UNIVERSITY OF WESTMINSTER

PP2 PROGRAMMING CW01

TEST COVERAGE REPORT

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Since this course work includes a number of methods to be used with in the code, I have tested each and every method specified in the course work specification (which includes the option A, V, E, F, D, O, S, L). So, in my test plan I have included test cases which checks on every method as to how it works as well as how even the menu system works or respond if a user's input is invalid. The first few test cases on my test plan is to check if the program calls the respective method when either an uppercase or lowercase letter is used for the option e.g.:- A or a , so this is used to show that my code works perfectly when user enters the option in either uppercase or lowercase.

Then I have included test cases which checks each and every method as to how it works properly. Each and every method has a different function therefore I need to check each and every method in detail, therefore I have included test cases which checks if the GUI loads first when A or V or E is entered as an option and then go in detail for each option, for option A I check if the GUI is loaded up then checks if the user can select a date from the date picker and select one or more seats and then allow the user to enter the name or if the user doesn't wish to enter the name I assign a unique name for each seat and then give that particular customer the name. For the V option I have included test cases to check if the user can view the seats booked on a future date using a date picker. For the E option I have included test cases to check if the user can view the empty seats on a future date using the date picker.

For option S and L which is most frequently used in my program to store the current data and load the data back when needed. For option F I have tested with a name which is stored in the database as well as a name not stored in the database. This is because I wanted to test my program whether it works for both sides, if name is found then it gives an output but if the name is not found it gives another output.

For option D, I test with dates which are stored in the database as well as the dates which aren't stored in the database. If dates aren't found from the database, I display a message, if found I enter a valid and an invalid name in order to check its output for both cases. If name found it deletes and gives a message else display another message indicating that the customer has not booked a seat.

For option O, I tested with dates stored in the database as well as not in the database, if date found I will display the customer names in alphabetical order else I will display a message indicating that the respective date cannot be found from the database.

I have included test cases to check if the customer name enter is validated properly, I do this by entering numbers, symbols as customer name therefore I will be expecting an alert box and asking the user to re try and I enter customer names with multiple spaces before the starting of the name and expect the program to remove all the white spaces used at the start of the customer name when the user clicks BOOK. I also have included test cases which checks if the seats on other days which aren't book are empty or available to be booked. I have included test cases which checks if the necessary data entered for option D, F, O are validated properly by adding invalid characters for the as the required data (symbols such as !@#$%^) etc... Moreover, there are necessary validation checks I have included which are important. All these test cases are also applied to the return journey.

I would not sign off to give my program to be used commercially, this is because I didn't add the necessary stops required from Colombo to Badulla.