## Self-assessment form and test plan

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Tutorial group (day, time, and tutor/s): Wednesday 11am,

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# Self-assessment form

|  |  |  |
| --- | --- | --- |
| Task | Self-assessment (select one) | Comments |
| 1 | Fully implemented  Partially implemented  Not attempted | I have called my class w1947450\_PlaneManagement, inside the main method I have displayed the menu with a welcome sign in the beginning of the menu. |
| 2 | Fully implemented  Partially implemented  Not attempted | I used print statements that prints out and displays the menu and menu options. Imported Scanner and created a scanner object to read user’s input. Created a while loop to display the menu and process user input until the choice is 0 which will close the program. Use swich statement to handle different menu options based on user input. Created a case for each option in the menu and created a method in each case. |
| Insert here a screenshot of your welcome message and menu | | |
| 3 | Fully implemented  Partially implemented  Not attempted | Used 4 multi-dimensional arrays for each row which has the column, seat number and price. Created a char array for the rows called CorrectRows.I did use string in the beginning but received many errors, so used char instead |
| 4 | Fully implemented  Partially implemented  Not attempted | Received errors as I forgot to change the boolean if and else statements for each row. i.e ( validSeatNumber and reservedSeatNumber to true in the if statement and validSeatNumber and reservedSeatNumber to false in the else statement |
| 5 | Fully implemented  Partially implemented  Not attempted | Received errors in the beginning of this task as the program would find the first available seats by rows for example if the user booked A1 the first available seat would print out B1. |
| 6 | Fully implemented  Partially implemented  Not attempted | In the beginning due to my mistake in cancel seat, whenever the user would cancel a seat it would not show in the seating plan. Once I fixed my error in cancel seat, the seating plan would show that seat available. |
| Insert here a screenshot of the seating plan: | | |
| 7 | Fully implemented  Partially implemented  Not attempted | Added all getters and setters as well as was able to add an constructor |
| 8 | Fully implemented  Partially implemented  Not attempted | Added all getters and setters and was able to print the ticket information including Person information |
| 9 | Fully implemented  Partially implemented  Not attempted | Able to extend both buy\_seat and cancel\_seat methods |
| 10 | Fully implemented  Partially implemented  Not attempted | Prints total amount of tickets brought |
| 11 | Fully implemented  Partially implemented  Not attempted | If seat is booked, displays the seat that is booked is occupied and if not booked displays the seat that user inputted is not occupied |
| 12 | Fully implemented  Partially implemented  Not attempted | Had errors as I had to import PrintWriter for the user inputs to be printed in the file |

# Test Plan

Complete the test plan describing which testing you have performed on your program.

Add as many rows as you need.

## Part A Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case / scenario | Input | Expected Output | Output | Pass/Fail |
| Option ‘0’ terminates program without crashing | 0 | Program ends without crashing | Program ends | Pass  Fail |
| When the user enters 1 program will ask for seat row letter, if letter is not valid program should ask user to enter again | S | ‘Not a vlid row, please try again [valid seat rows are: A, B, C, D ]  Enter your seat row:’ | ‘Not a vlid row, please try again [valid seat rows are: A, B, C, D ]  Enter your seat row:’ | Pass  Fail |
| The program should cancel the seat successfully by asking user to enter seat row and seat number | A1 | ‘Thanks, seat number A1 has been cancelled.’ | ‘Thanks, seat number A1 has been cancelled.’ | Pass  Fail |
| If seat A1 is booked the first available seat should be A2 | 3 | ‘First empty seat is: A2’ | ‘First empty seat is: A2’ | Pass  Fail |
| If wrong data type is given, program does not terminate | ‘a’ | Incorrect option | Program terminates with exception (compilation error) | Pass  Fail |
| If wrong number is entered program does not terminate, instead asks the user to enter a valid option | 8 | 8 is not a valid option | ‘8 is not a valid option.’ | Pass  Fail |
| If user wants to cancel seat the seat plan should show that seat as O not X when user enters 4 after cancelling a seat | 4 | Seating plan displayed with that seat as O not X | Seating plan displayed with that seat as O not X | Pass  Fail |

## Part B testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case / scenario | Input | Expected Output | Output | Pass/Fail |
| When user wants to buy a seat, the program should ask for name | A3 | ‘Please enter passenger first name:’ | ‘Please enter passenger first name:’ | Pass  Fail |
| When user enters their first name, the program should ask for surname | Ayra | ‘Please enter passenger surname:’ | ‘Please enter passenger surname:’ | Pass  Fail |
| When user enters their surname, the program should ask for users email | Ahmed | ‘Please enter passenger email:’ | ‘Please enter passenger email:’ | Pass  Fail |
| When user wants to book 1 or more seats the program should add all the seat prices and give the total amount when user enters 5 | 5 | Your ticket information: 400 pounds | Your ticket information: 400 pounds | Pass  Fail |
| When user wants to search if seat is occupied the program should display seat occupied with the passengers information | A1 | Ticket occupied at Seat #A1  Passenger Name & Surname: ayra ahmed  Passenger Email: ayraahmed04@gmail.com | Ticket occupied at Seat #A1  Passenger Name & Surname: ayra ahmed  Passenger Email: ayraahmed04@gmail.com | Pass  Fail |
| If seat is not occupied the program should display seat is not occupied | B5 | Seat #B5 is not occupied. | Seat #B5 is not occupied. | Pass  Fail |
| After seats are booked, it should print in a new txt file | A2 | A2.txt | A2.txt | Pass  Fail |

Are there any specific parts of the coursework which you would like to get feedback?

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|  |

You will need to demonstrate your understanding of the submitted code. Your tutor will arrange a coursework demonstration, that will take place during weeks 10 and 11. During the coursework demonstration, your tutor will ask you to execute your program and questions on your code.

**Failure to attend the demonstration will result in the assessment of Part A only, with a maximum mark capped at 30 marks for the coursework.**