## Self-assessment form and test plan

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Tutorial group (day, time, and tutor/s): Tuesday 11:00-13:00 **Ester Bonmati Coll**

# Self-assessment form

|  |  |  |
| --- | --- | --- |
| Task | Self-assessment (select one) | Comments |
| 1 | Fully implemented  Partially implemented  Not attempted |  |
| 2 | Fully implemented  Partially implemented  Not attempted |  |
| Insert here a screenshot of your welcome message and menu:  A screen shot of a computer  Description automatically generated | | |
| 3 | Fully implemented  Partially implemented  Not attempted |  |
| 4 | Fully implemented  Partially implemented  Not attempted |  |
| 5 | Fully implemented  Partially implemented  Not attempted |  |
| 6 | Fully implemented  Partially implemented  Not attempted |  |
| Insert here a screenshot of the seating plan:  A screen shot of a computer  Description automatically generated | | |
| 7 | Fully implemented  Partially implemented  Not attempted |  |
| 8 | Fully implemented  Partially implemented  Not attempted |  |
| 9 | Fully implemented  Partially implemented  Not attempted |  |
| 10 | Fully implemented  Partially implemented  Not attempted |  |
| 11 | Fully implemented  Partially implemented  Not attempted |  |
| 12 | Fully implemented  Partially implemented  Not attempted |  |

# Test Plan

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

Add as many rows as you need.

## Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case / scenario | Input | Expected Output | Output | Pass/Fail |
| Enter option in main menu | A or 7 | Please enter a valid option from the list. | Please enter a valid option from the list. | Pass  Fail |
| 0 | Quit | Quit | Pass  Fail |
| 1 | Buy a seat.. | Buy a seat.. | Pass  Fail |
| 2 | Cancel a seat.. | Cancel a seat.. | Pass  Fail |
| 3 | Find first available seat.. | Find first available seat.. | Pass  Fail |
| 4 | Show seating plan | Show seating plan | Pass  Fail |
| 5 | Print Tickets | Print Tickets | Pass  Fail |
| 6 | Search Tickets | Search Tickets | Pass  Fail |
| Ask\_for\_seat()  Used in buy\_seat, cancel\_seat and search\_ticket | Row a,b,c,d,A,B,C,D | Row selected Continue to input seat | Row selected Continue to input seat | Pass  Fail |
| Other Row | Invalid Row  Ask again | Invalid Row  ask again | Pass  Fail |
| Seat Row A,D – 1-14  Row B,C – 1-12 | Seat selected  Print Selected Chair  Return selection | Seat selected  Print Selected Chair  Return selection | Pass  Fail |
| Other Seat | Invalid Seat  Ask Again | Invalid Seat  Ask Again | Pass  Fail |
| Ask\_for\_ticket()  User in buy\_seat,  Find\_first\_available | Ask for name, any string | Continue to Surname | Continue to Surname | Pass  Fail |
| Ask for Surname, any string | Continue to eMail | Continue to eMail | Pass  Fail |
| Ask for eMail | Create person, ticket, return | Create person, ticket, return | Pass  Fail |
| Ask\_y\_n()  User in find first available to allow auto-purchase of that ticket | Get a message and ask for input y,Y,n,N | Return true or false | Return true or false | Pass  Fail |
| Other input | Invalid input  Ask again | Invalid input  Ask again | Pass  Fail |
| Buy\_seat() | Ask\_for\_seat()  Ask\_for\_ticket()  Available seat | Set ticket as sold  Add ticket to sold list  Save ticket to file  Print information | Set ticket as sold  Add ticket to sold list  Save ticket to file  Print information | Pass  Fail |
| Ask\_for\_seat()  Ask\_for\_ticket()  Seat sold | Seat not available | Seat not available | Pass  Fail |
| Ask\_for\_seat()  Ask\_for\_ticket()  Seat not exists | Invalid seat | Invalid seat | Pass  Fail |
| Cancel\_seat() | Ask\_for\_seat()  Available seat | Set ticket as available  Remove ticket from sold list  Print information | Set ticket as available  Remove ticket from sold list  Print information | Pass  Fail |
| Ask\_for\_seat()  Seat not sold | Seat is available | Seat is available | Pass  Fail |
| Ask\_for\_seat()  Seat not exists | Invalid seat | Invalid seat | Pass  Fail |
| Show\_seating\_plan() | None |  |  | Pass  Fail |
| Find\_first\_available() | None | Find first available seat  Print seat  Ask if want to purchase the seat | Find first available seat  Print seat  Ask if want to purchase the seat | Pass  Fail |
| All seats are sold | This plane is fully sold out | This plane is fully sold out | Pass  Fail |
| Print\_ticket\_info() | None | Tickets:  ========  Ticket seat: 4, row: A, price: 200, person: Person name: a, surname: b, email: c  Ticket seat: 7, row: D, price: 180, person: Person name: a, surname: w, email: e  Total amount:380 | Tickets:  ========  Ticket seat: 4, row: A, price: 200, person: Person name: a, surname: b, email: c  Ticket seat: 7, row: D, price: 180, person: Person name: a, surname: w, email: e  Total amount:380 | Pass  Fail |
| No seats sold | No tickets | No tickets | Pass  Fail |
| Search\_ticket() | Ask\_for\_seat()  Seat is available | Seat is available | Seat is available | Pass  Fail |
| Seat is sold | Ticket seat: 4, row: A, price: 200, person: Person name: a, surname: b, email: c | Ticket seat: 4, row: A, price: 200, person: Person name: a, surname: b, email: c | Pass  Fail |
|  |  |  |  | Pass  Fail |
|  |  |  |  | Pass  Fail |

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

|  |
| --- |
| The method names are combination of buy\_ticket() and showMenu() writing style  I would use ShowMenu() as it is done in C#  Or showMenu() as it is done in Java  But the Coursework description ask for buy\_ticket()  So there is a mix with the writing style which is not good |

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.**