**Test Cases**

**User**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | | 1 | | |
| **Title** | | Main Menu | | |
| **Description** | | To test the main menu works correctly | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Run system | | System opens and main menu displays | X |
| 2 | Test all menu items load when input | | System displays correct submenu or page when valid menu input is entered |  |
| 3 | Enter a valid input | | System loads the correct area of the system. |  |
| 4 | Enter invalid data Test Data: ‘54’, ‘Three’ | | Enter message appears, re-runs the main menu loop. |  |

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| **ID** | | 1 | | |
| **Title** | | Create Account | | |
| **Description** | | The user can create an account that saves to the xml | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Load Main Menu | | System opens and main menu when run | X |
| 2 | Select create account from the main menu, by typing ‘2’ | | Create account function runs, prompting the user to enter their details |  |
| 3 | Enters valid data | | System continues to the next detail without any error messages, then prompted with confirmation. |  |
| 4 | Enter invalid data | | User cannot continue to next detail - Error message asking the user to enter valid data such a phone number must be a length of 12 digits. |  |
| 5 | Data is added to xml file on confirmation | | When the customer xml file is loaded, the users details will be inside each field e.g <USER> <NAME> Andrew </NAME> <EMAIL> jj@gmail.com</ EMAIL> |  |
| 6 | Data appends when another user is added | |  |  |
| 7 | If create account is cancelled or not confirmed, system does not write to xml file | |  |  |

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| **ID** | | 1 | | |
| **Title** | | Log in as a User | | |
| **Description** | | To log in to the system as a customer | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Select Log In from the main menu, by typing ‘1’ | | x | X |
| 2 | Input valid email, invalid password | | Error message occurs, user must re-enter their email and password |  |
| 3 | Input invalid email, valid password | | Error message occurs, user must re-enter their email and password |  |
| 4 | Input valid email and password | | Log in successful message displays |  |
| 5 | Input invalid email and password | | Error message occurs, user must re-enter their email and password |  |
| 6 | System returns user to the regular user menu, logged in as name | |  |  |

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| **ID** | | 2 | | |
| **Title** | | Log in as an Admin | | |
| **Description** | | To log in to the system as an administrator | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Select Log In from the main menu, by typing ‘1’ | | x | x |
| 2 | Input invalid admin email and password | |  |  |
| 3 | Input valid email and password | |  |  |
| 4 | System returns user to the regular user menu, logged in as name, with admin abilities. | |  |  |

**Booking**

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| --- | --- | --- | --- | --- |
| **ID** | | 3 | | |
| **Title** | | Book a flight | | |
| **Description** | | To book a flight as a customer | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Select book flight from the main menu, by typing ‘3’ then ‘1’ on the booking menu. | | x | X |
| 2 | Ensure seats available are displayed | |  |  |
| 3 | Choose a valid seat “A7” | |  |  |
| 4 | Choose an invalid seat ‘AY-SEVEN’/ ‘A99999’ | | Error message prompting the |  |
| 5 | Choose an already booked seat | | Error message, asking user to book another seat |  |
| 6 | User is able to book another seat if they ‘Y’ is entered after ‘Book another? (Y/N): | |  |  |
| 7 | Booking is saved to booking xml file upon confirmation | |  |  |
| 8 | If system is closed before confirmation, no data is entered into the xml file | |  |  |

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| **ID** | | 4 | | |
| **Title** | | Edit Booking | | |
| **Description** | | A user is able to edit a previous booking | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | Select book flight from the main menu, by typing ‘3’ then ‘2’ on the booking menu. | | Edit booking function begins | X |
|  | System displays current bookings for the user, user selects the booking they want to change | |  |  |
|  | User enters new booking data | |  |  |
|  | User confirms new booking | |  |  |
|  | Ensure booking xml file has been appended | |  |  |

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| **ID** | | 5 | | |
| **Title** | | Cancel a booking | | |
| **Description** | | A user trying to cancel a booking | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | System displays current bookings made | | x | X |
| 2 | User confirms cancelling of booking | |  |  |
| 3 | Booking XML file is appended and booking is removed | |  |  |

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| **ID** | |  | | |
| **Title** | |  | | |
| **Description** | |  | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | x | | x | x |

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| --- | --- | --- | --- | --- |
| **ID** | |  | | |
| **Title** | |  | | |
| **Description** | |  | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | x | | x | x |

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| --- | --- | --- | --- | --- |
| **ID** | |  | | |
| **Title** | |  | | |
| **Description** | |  | | |
|  | | | | |
| **Step** | **Description** | | **Expected Result** | **Actual Result** |
| 1 | x | | x | x |