Test Plan

## Feature: LibraryManagement

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| --- | --- | --- | --- | --- | --- |
| Test# | Description | Input | Expected output/Result | Actual Output | Status |
| T1 | Enter the library name | Ottawa | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: | Pass |
| T2 | Input string instead of integer | A | Number entered is not integer please enter again | Number entered is not integer please enter again | Pass |
| T3 | Enter parameter outside of the menu | 11 | you Entered invalid entry... Please enter again | you Entered invalid entry... Please enter again | Pass |
| T4 | Try to print book while list is empty | 7 | #### There no books to display #### | #### There no books to display #### | Pass |
| T5 | Try to print Member while there is no member added | 5 | #### There no user to display #### | #### There no user to display #### | Pass |
| T6 | Enter option Read book from keyboard | 3 | 1.Fiction  2.Non Fiction  Please Enter type of book: | 1.Fiction  2.Non Fiction  Please Enter type of book: | Pass |
| T7 | Enter fiction input | 1 | 1.Comic  2.Fantasy  Please Enter sub type of fiction book: | 1.Comic  2.Fantasy  Please Enter sub type of fiction book: | Pass |
| T8 | Enter incorrect option | 3 | Option choose was incorrect for sub type fiction book... please try again | Option choose was incorrect for sub type fiction book... please try again | Pass |
| T9 | Enter correct option | 1 | Enter Book Id: | Enter Book Id: | Pass |
| T10 | Enter incorrect input | a | Number entered is not double please enter again | Number entered is not double please enter again | Pass |
| T11 | Enter correct input | 321 | Enter Book Name: | Enter Book Name: | Pass |
| T12 | Enter empty string |  | you left it empty please write something | you left it empty please write something | Pass |
| T13 | Enter not empty string | Spiderman | Enter Isbn: | Enter Isbn: | Pass |
| T14 | Enter incorrect input | 3.2 | Number entered is not long please enter again | Number entered is not long please enter again | Pass |
| T15 | Enter incorrect input | a | Number entered is not long please enter again | Number entered is not long please enter again | Pass |
| T16 | Enter correrct input | 3215678368 | Enter Author Name: | Enter Author Name: | Pass |
| T17 | Enter Correct input | Stan Lee | Enter date of book publish(MM-dd-yyyy) : | Enter date of book publish(MM-dd-yyyy) : | Pass |
| T18 | Enter incorrect Date format | 15-07-2021 | Incorrect date Format | Incorrect date Format | Pass |
| T19 | Enter Correct date format | 07-07-2021 | Enter fiction genre: | Enter fiction genre: | Pass |
| T20 | Enter Correct genre | Comic | Enter Comic World: | Enter Comic World: | Pass |
| T21 | Enter comic world | Marvel | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit | Pass |
| T22 | Read User from Keyboard | 1 | 1.Staff  2.Member  Please Enter User want to add: | 1.Staff  2.Member  Please Enter User want to add: | Pass |
| T23 | Read incorrect user type | 9 | User type entered is incorrect... Please enter again | User type entered is incorrect... Please enter again | Pass |
| T24 | Read correct user type | 2 | Enter User Id: | Enter User Id: | Pass |
| T25 | Enter Correct user id | 321 | Enter first name: | Enter first name: | Pass |
| T26 | Enter Correct first name | Zahi | Enter last name: | Enter last name: | Pass |
| T27 | Enter Correct Last Name | Masarwa | Enter email address: | Enter email address: |  |
| T28 | Enter Correct email name | Zahi@gmail.com | Enter phone number : | Enter phone number : | Pass |
| T29 | Enter correct Number | 613889999 | Enter Age: | Enter Age: |  |
| T30 | Enter incorrect input | a | Number entered is not double please enter again | Number entered is not double please enter again |  |
| T31 | Enter Correct input | 29 | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: |  |
| T32 | Enter option to borrow book | 8 | 1.Borrow Book  2.Return Book  3.List of user Books  Enter your option: | 1.Borrow Book  2.Return Book  3.List of user Books  Enter your option: |  |
| T33 | Enter Correct option | 1 | 1.Search for user by Full Name  2.Select user from list  Select option: | 1.Search for user by Full Name  2.Select user from list  Select option: |  |
| T34 | Enter incorrect option | 9 | Wrong option entered in the selecting option | Wrong option entered in the selecting option |  |
| T35 | Enter correct option | 2 | Select option to return book: 2  1 122 | Zahi Masarwa | zahi@gmail.com | 6138889999 |29.0 |0.00  select user you want: | Select option to return book: 2  1 122 | Zahi Masarwa | zahi@gmail.com | 6138889999 |29.0 |0.00  select user you want: |  |
| T36 | Enter correct option | 1 | Choose a book to borrow from list bellow:  1 321 | Spiderman | 3215678368 | Stan Lee | 03-03-2013 | Dc | Dc | Choose a book to borrow from list bellow:  1 321 | Spiderman | 3215678368 | Stan Lee | 03-03-2013 | Dc | Dc |  |
| T37 | Enter  Wrong Date | 15-08-2021 | Incorrect date Format | Incorrect date Format |  |
| T38 | Enter Correct Date | 07-08-2021 | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: | 1.Read user info from keyboard  2.Read user info from file  3.Read book info from Keyboard  4.Read book from file  5.Print member list  6.Print staff list  7.Print book list  8.Borrow or return book or list of book by user  9.Write info to file  10.Exit  Enter your option: |  |
| T39 | Enter exit | 9 | Thank you for using the Program... Good Bye | Thank you for using the Program... Good Bye |  |
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