## Test Cases for Test Scenario – Book Tracker App

Name: Zulkifli Salami

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Test Data | Expected Results | Actual Results |
| Check 5 menu  options | a – adding: The Lord of the  Ring; JRR Tolkien;  1973  l – listing:  l    s – search:  the lord of the rings    q – quit q    invalid:  cat | a - User prompted with Title, Author, and Year of Publication and input is received, user reprompted with menu;    l - All input books are listed, user re-prompted with menu;    s - Book title searched for is found, user re-prompted with menu;    q – program ends;    cat – error message displayed, user re-prompted with menu; |  |
| Add a book to the reading list and verify that the book has been added by listing all books. | 1. Adding   Title: Things Fall Apart  Author: Chinua Achebe  Year of publication: 1958   1. Listing | Reading list displaying all the books in the users list. |  |
| Check publication is only numeric | Input nonnumeric numbers when prompted for publication | Error message is displayed with appropriate information. User is prompted again to input year of publication |  |
| Search for a non-existing book by title and verify that the program displays a message indicating that the book was not found. | 1. Search for a book: The Joker | Book not found message will be displayed |  |
| Try to add a book with a blank title and verify that the program handles the error and does not add the book. | User selects option 1.  User inputs a space or clicks [enter] key as title. | Error message stating invalid entry is displayed. |  |
| Try to add a book with a blank author name and verify that the program handles the error and does not add the book. | User selects option 1.  User inputs a valid title, user inputs space or clicks [enter] key for author name | Error message stating invalid entry is displayed. |  |
| Try to add a book with a blank year of publication and verify that the program handles the error and does not add the book. | User selects option 1.  User inputs a valid title, User inputs a valid author, user inputs space or clicks [enter] key for publication | Error message stating invalid entry is displayed. |  |
| Search for a book by title and verify that the correct book is displayed. | User selects option 3. Search for a book: Things falling apart | Book is successfully displayed with Author, Title, and year of publication. |  |
| Enter a title that’s numeric and an author name that’s numeric | User selects option 1. Enters Title = 9875  Author name = 764 | Title is accepted as a numeric value, then user prompted for author name. Author name returns error message as name can’t be only numeric value. |  |
| Enter appropriate inputs and add last book to list. User then selects option 4 to end program | Title: The Chronicles of Testing  Author: Zulkifli Salami  Year: 2023 | Program runs successfully and closes when Quit option is selected. |  |