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| Project Name: Library Management Software |
| System Level Test |
| **Post conditions**: application is functional users can operate software with no major functionality issues.  **Pre-conditions**: Users will require a login and unique password to be able access the major features of the software.  **Dependencies**: None:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Step Number | Test Cases | Expected Result | Actual Result | Status (Pass/Fail) | Notes | | 1 | Start the application | Company logo should appear and the library book search form should generate | The company logo appeared and the book search form generated. | Pass | Everything worked as expected. | | 2 | User inputs search parameters: “Author name” or “Book Title” or “Dewey Number” and clicks “Go” button. | Book info should appear with an option to checkout. | Book info appears but there and the checkout box appears. | Pass | None | | 3 | User clicks “checkout” button or “login” button. | Login form appears with a submit button. | Form and submit button appears. | Pass | None | | 4 | User inputs username and password into the respective fields and clicks submit.  User also submits a purposefully incorrect information. | Database is queried and starts session or returns an “incorrect username or password” error message. | Session is started no matter if the username is write or wrong, a session is started and the user is allowed to checkout books. | Fail | Need to examine the function that has the query, and also need to evaluate the query. We need to check what is causing the session to start even with incorrect values. | | 5 | User clicks “add book”, supplies information to form, and clicks “submit”. | * The add book form appears with input parameters. * After submit the book should appear after search. | The add book form appears with the input values.  The book doesn’t appear when searched. | Fail | Need to check the database and the queries to verify that the correct values are being passed. | | 6 | User clicks logout | The session ends and returns to the book search screen | The session is successfully ended and the book search screen appears. | Pass | None | |