**< Test #1> - <Test Member over due loans>:**

Description: this test is to ensure all elements within the user interface are correct when a user scans their card with overdue loans

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: both the card reader and scanner should be disabled, a message to state there are overdue loans is displayed, existing loans are also displayed

Data required: Tester Will enter “2” into the card scanner

**<Test #2> - <Test Member with max fines>:**

Description: This test is to ensure all elements within the user interface are correct when a user scans their card with their fine limit exceeded

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader will be disabled, book scanner enabled, fine message appears

Data required: Tester Will enter “3” into the card scanner

**< Test #3> - <Test Member with Max Loans>:**

Description: this test is to ensure all elements within the user interface are correct when a user scans their card with their loan limit exceeded

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: both the card reader and scanner should be disabled, a message showing loan limit has been exceeded

Data required: Tester Will enter “4” into the card scanner

**< Test #4> - <Test Member with a fine but not over the limit>:**

Description: this test is to ensure all elements within the user interface are correct when a user scans their card with their fine limit exceeded

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner enabled, no loans displayed and fine message appears

Data required: Tester Will enter “5” into the card scanner

**< Test #5> - <Test Member with some Loans>:**

Description: this test is to ensure all elements within the user interface are correct when a user scans their card with their loan limit exceeded

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner enabled, existing loan list is displayed

Data required: Tester Will enter “6” into the card scanner

**< Test #6> - <Test all good confirming loan>:**

Description: the user will go through the borrowing process to completion and confirm the loan

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner is disabled, printer has printed the new loans

Data required: Tester Will enter “1” into the card scanner and “12” into the book scanner

**< Test #7> - <Test All Good rejecting Loan>:**

Description: the user will go through the borrowing process to completion and reject the loan

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner enabled, returned to book scqnning with no pending loans.

Data required: Tester Will enter “1” into the card scanner and “12” into boock scanner, will reject on confirmation screen

**< Test #8> - <Test Existing Book>:**

Description: the user will attempt to Scan A book that is alreay borrowed

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner enabled, error mentioning book is not on loan is displayed

Data required: Tester Will enter “6” into the card scanner and “2” into book scanner

**< Test #9> - <Test Reaching book Limit>:**

Description: the user will attempt to borrow 2 books to reach the borrow limit

Pre-conditions: Library interface is opened to it's initial screen, ready for the user to start borrowing

Post-conditions: card reader disabled, book scanner disabled, message to say loan limit reached is displayed

Data required: Tester Will enter “6” into the card scanner and “12” folowed by “13” into book scanner