Testing Strategies

As you start up the system sometimes it takes around 15 seconds to launch the main menu.

When testing the system first you should test out the creating account and login functionalities, we have 3 hard coded logons for the 3 roles (Admin, member and librarian) these logons are

Librarian - email - jane.loves.books@weirdmail.com password - pass123

Admin - email - [john.the.admin@funnyemail.org](mailto:john.the.admin@funnyemail.org) - password - admin123

Member - email - [alice.reads.all@oddmail.net](mailto:alice.reads.all@oddmail.net) - password - user123

However i suggest making new accounts for testing purposes, this is a very simple process which asks for a name, email, password and account type.

The information provided is logged into the system making you able to login with the email and password you provided when you created your account.

I suggest making 3 accounts for each role - however after you create the account due to it being saved in a vector they will not save post shutdown so make sure the entire test is ran on a singular attempt

After making the accounts i suggest logging into the librarian one first to test out is viewing the list of hardcoded books i added in which is the 4th option - this then displays and verifies the books ID, name and the status. I then suggest going back and adding a new book, this was then ask for for an id and name, once you added a few i then suggest trying to change the status on one and removing one. Once most of the librarian functionalities have demonstrated that they work, then i think you should logout (option number 6) and logging into the member account you previously created.

Once logged into the member account there should be 5 options displayed.

Starting with the first option, again it will list the books in the system and it should include the ones you added/edited. After this you should try borrowing more than 5 books, the system should stop this and you could also try reserving 5 books , again the system should stop you, once completed try to return a few of the ones you borrowed, then view the list which should display the new status of the books.

After this please log back into the librarian account you made to check the last feature in that class which was to generate a report on the borrowing history, this should be listed under the user you made and the history you just enacted.

Lastly please log into the admin account which simply just has the permissions to view the accounts - ID , name , email and class as well as the functionalities to view the books.

Once you logout and exit the memory, users and books you created will clear.

These methods should prove sufficient in demonstrating all my system has to offer , showcasing the functions.