

CSCI 4448: Project Part 1

Team:

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Title: Virtual Library

Description: Our project will allow a user to keep track of their physical library of books in a virtual environment. After registering with a username and password, a user would be allowed to search for a pre existing book stored in a database and add that book to their library within the application. Within the virtual library, a user is able to rate, comment about, and/or remove books as well as retrieve information such as word count, author, and publisher associated with books in the library. If time permits, a user would be able to search for other users and see their favorite books stored within their library.

Actors:

Standard User: A standard user is someone who registers on the application and wishes to keep track of their physical library at home. They have the ability to search for books in the database and add them to their virtual library. They can then perform all of the actions described in our project description.

Administrator: An administrator is someone who is able to find a specific user via username and manipulate the data associated with that user such as deleting/adding books from their library, deleting bad comments they leave about books, and more.

Functionality:

- A user can register with a username and password
- A user can search for a book
- A user can add a book to their virtual library
- A user can select a book in their library
- Once selected, a user can view information such as the word count, author, publisher, etc. associated with the book
- A user can set a book as one of their "Favorites"

- A user can make a comment about a book that they have selected
- A user can rate a book that they have selected
- A user can remove a selected book from their library
- An admin can search for a user based on username
- An admin can update/delete comments that a user has made about a book
- An admin can add/remove books from a user's library
- An admin can delete a user
- A user can search for another based upon username to see their library and/or favorite book (if time permits)