CPTS 583 Deliverable II (2) Software Documentation

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Introduction:

This is a library system that simulates the WSU library. Students can log in to this website to check books, borrow books and return books. The administrator can add books and delete books.

Environment and settings:

The system is a web program based on java and sql database. It can be run with MySQL and vs2016. Users need to install chrome or other browsers to open this program. In addition, the information in the database needs to be entered by the user. In the subsequent process, I will seek the help of the WSU library staff to find a corresponding book material.

Code github link: <https://github.com/bowenwan1223>

Users and administrators:

Users:

Registered: Users can use school email or other email addresses to register an account and fill in relevant personal information.

Sign: After entering a valid account and password, the user will officially log in to the library management system

Search: Users can query related books by using the name as the key information.

Borrow: Users can choose a book they like to borrow, and this information will be recorded in the database.

Return: After the user finishes reading the book, he can return the book to the library, and this information will also be recorded in the database.

Setting: Users can modify their personal information and query their borrowing records.

Librarians:

Librarians have all the permissions of ordinary users, and they also have other permissions.

Add book: Add new books in the search catalog. Librarians can record new book information into the database.

Delete book: To delete books from the query catalog, librarians can delete books from the database.

Update books information: Modify the book information, because sometimes for some reasons, the librarian can modify the information in the database.

Notes:

1. Currently only the beta version, users can only register and log in.
2. The user's query, borrowing, and return function are planned.
3. I plan to set up a function that allows librarians and users to send information to strengthen the connection between users and librarians.
4. The algorithm of the recommended bibliography is in the plan