



SOFE3650U Final Proposal

Group 21

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Title of the project:

Online Library System --- Yeezy Books

Functional and non-functional requirements:**Functional:**

This library application will allow employees and customers to register in a particular library. Depending on the credentials of the user that is signed in, they will be exposed to different views of the application.

For example, an employee view is responsible for maintaining/modifying the number of copies available for a book. Furthermore, an employee is able to register another employee within the library. The employee would be capable of adding/removing books within the library. An employee may edit the current book, such as, changing the genre, adding a description of the book, etc.

A customer's view will be responsible for being able to borrow and return books. Customers will be able to view all the books within a library and will be able to borrow a book via the click of a button. A customer will also be able to renew their books, which will extend the due date of the book up by 1 week. A book can be renewed for a maximum of 1 year since it has been first signed out by a customer. A customer can also only borrow a maximum of up to 5 books, in order to avoid a customer hogging all of the books. If a book has been borrowed till past its expiration, then the book will be automatically returned to the library

Non-Functional:

The non-functional requirement would include things such as the design of the UI, the option to edit and modify books, the display of books within the library, etc.

For our non-functional requirements, we will use ASP.Net to display books with the library. Each book will be displayed as a card that will contain the image of the book, the genre, the number of copies available, and a button to borrow the book. Furthermore, we will also provide the option for an employee to borrow a book from their employee account to their customer account. An employee will be able to click on the borrow button and specify their customer account, allowing the book to be added to their customer account.

Furthermore, an employee will also be capable of disabling a customer account. If a customer has somehow managed to bypass the system the employee will be capable of specifying the customer account that shall be disabled. Once disabled all the books within the customer's account will be returned to the library and they will be responsible for calling the library and providing a reasonable explanation for re-enabling their account.

Every time a customer chooses to borrow a book, a pop-up message will be displayed on the screen in order to notify the customer if the book can be borrowed or not.