Project Introduction

02/27/2022

Project Vision

For our group project, we will be creating a full stack library application. The application will have all the functionality of a standard library. There will be a collection of books, with the ability to add or remove books. Each book will have a unique identifier and will have the ability to be checked out by a student or removed by a librarian. Each student and librarian will be registered in our identity service. All books that are checked out will be marked as such and have a return date. Books can be marked as returned using the website. Overdue books will have a warning on the website, and an email will be sent out to the user who has checked out the overdue book. the numbers of copies of a book, expected return dates of books, and details about the book itself will all be easily visible in the UI. Librarians and other employees will have a slightly different view in the UI, to alter and update the book collection as needed. Students and employees themselves can be added or removed from the system, as only active students can check out materials, and only active employees can manage the collection. Feel per student will be tracked and displayed on the website.

Requirements

1) **Functional Requirements:**

- Librarians and Students should be able to register to register them self for library access.
- Librarians and Students should be able to login to library application after successful registration.
- Users password should be hashed when stored in database for security reasons.
- All users should be able to see all books in the library with the status of books with details.
- Only librarian with manager role should be able to add and remove books from the database.
- Only active students can check out books from the library.
- Users can check out 3 book at the max at a time.
- Overdue books should send notification to the users via their email.
- Books can be marked as returned or checked out.
- All book details should be visible in the website.

2) **Non-Functional Requirements:**

- There should be disclaimer page with rules and regulation explained.