Project Proposal
CSE311 Section 2
Group 13

Project: Library Management System

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Github repository: https://github.com/withtahmid/CSE311_PROJECT_GROUP13

Description

There are many bookstores in Dhaka but what it lacks are libraries that are open for everyone to visit, read and borrow. Our concept is a public library that has different branches around the city so that people living in different areas can have the same access to a large collection of books. Our product is a website that connects all these branches under a centralized system.
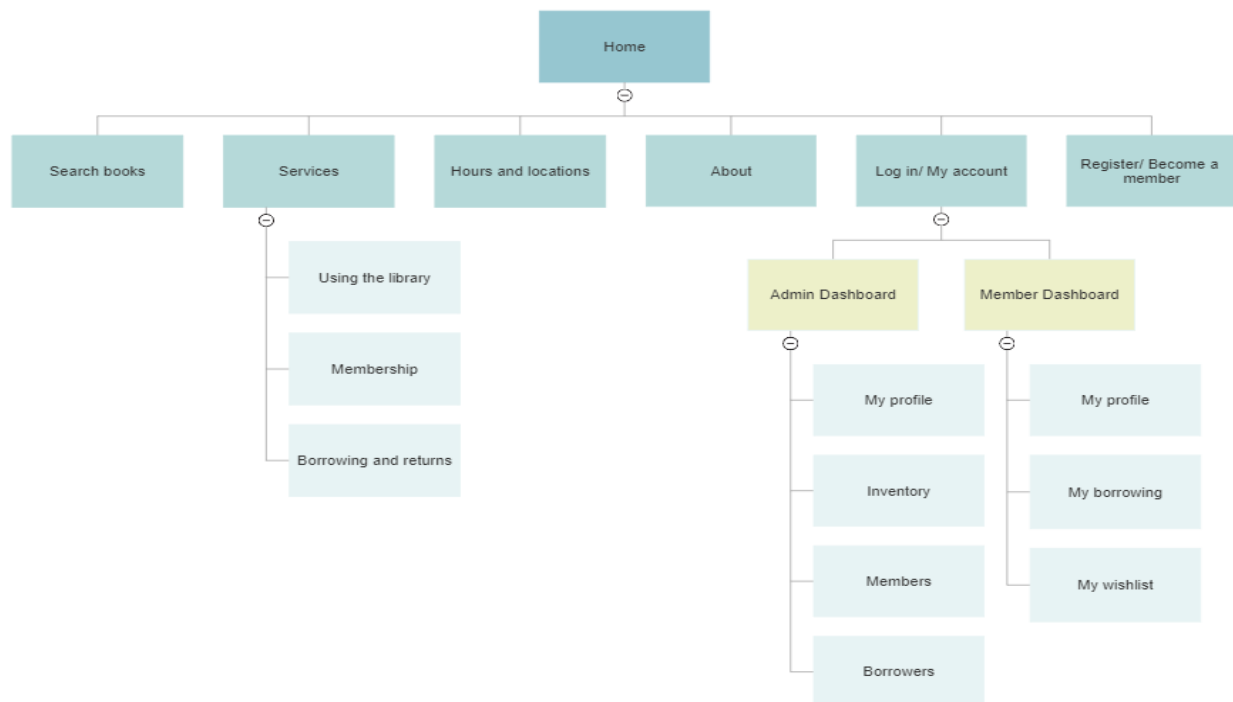
Features

Anyone can visit the website and view available books by title, author, genre, etc. in the extensive database. They will also be able to view general information about the services, locations and opening hours of the library.

However, if someone wants to borrow or save a book, they have to register and become a member of the library.

Members can login using their membership number and password and view their profile, search for books and add them to their wishlist, and view the books they have already borrowed from the physical locations of the library.

Admins (or librarians) can login to the portal to view their profile, check the inventory of books at each location, see the database of members and their information, and see the list of borrowers and the books they have to return.

Sitemap

Requirement Analysis

Home	
Search	This is a search bar where anyone can search for books by any keyword. Filters can be applied to limit the search results such as author, publisher, availability, etc. The results will be displayed in a tabular format after clicking the search button
Services	This is a static informative page that will explain ● How to use the library ● The membership procedure/benefits ● How to borrow and return
Hours and Locations	This is a static page stating the opening and closing hours of each branch and their addresses
About	This a static page that gives a general description of the library
Log in	This is where admins or registered members can log in to their account by inputting admin id/membership number and password
Become a member	This is a form that allows a new user to register to the platform and become a member. The form will contain fields that ask for basic information. The user will be directed to a payment gateway after submission.

My Account (Member)	
My profile	This is where the user can see the information that was used to register into the platform and the validity of their membership
My borrowing	This is where the user sees the info about the books that they borrowed, including the borrowing date, returning date and late fees. Displayed in a tabular format.
My wishlist	This is where the user sees the info about the books that they have saved from search results. Displayed in a tabular format.

My Account (Admin)	
My profile	This is where the admin can see their personal information
Inventory	This will display the entire database of the library's collection with the number of each book available at each location. Admin will be able to add, delete and change records. There will be a search bar and filters to find specific records from the database.
Member list	This will list all the registered members and their basic information.
Borrower list	This is where the admin can see which members have borrowed what book. Admin will be able to add, delete and change records.

Gantt Chart

	Week 1 July 7-13	Week 2 July 14-20	Week 3 July 21-27	Week 4 July 28-Aug 3	Week 5 Aug 4-10	Week 6 Aug 11-17	Week 7 Aug 18-24
Frontend	███	███	███				
Database Design		███					
Backend			███	███	███		
Testing					███	███	███
Submission							███