

Project Proposal

I. Introduction

Upon receiving your assignment, our team chose to develop a web-based project that utilizes a client-server database. This project is about library management and the interactions between users, librarians, and admin of the website called Wellib.

An online library is a simple yet realistic project for it is one of the most practical and useful web pages on the internet proven by the amount of usage and internet traffic that many others have received daily.

Hence, we chose to make an online books management project because we hoped to expand upon and better the capability of already existing predecessors, at the same time create a website that greatly elevates the user's experience with web pages and brings good services for those who use it.

II. Users

In every model of the library system, giving the public access to books has always been its greatest interest. The same can be said about our model, as we aim to bring the wonder of reading books to the entire world. Our readers will not be limited by race or nationality. Anyone who is anywhere older than 13 years old can subscribe for membership at our library. There is seemingly no specification about our customer, all we want is to have that diversity expressed through our reader community across the globe.

III. Environment

First of all, owing to the shared system library and the perspective of users, this platform is likely to be designed as a Website. Here are various reasons for making this decision. This platform is capable of providing a welcoming environment. Therefore, the newly launched website has the potential to provide an effective and accessible environment for readers looking for an online library service.

Secondly, this platform has been associated with the knowledge we have acquired in this field of study. We therefore make a decision to run a server in Localhost by using the Django framework.

IV. Main Features

1. Readers

Searching books by title, author, call number, etc.: Wellib allows readers to find their book information by keyword.

Showing list of search results: Suggested results will be shown and can be filtered as a list to readers to find their books they want.

Viewing books detail information: Each book has its own page for readers to know its information and show Available status (Can borrow or not)

Comment their thoughts while reading: Readers can act as a “book reviewer” by commenting a few lines in the comment box of each book.

2. Librarian

Allowing loan/return books: When readers want to loan/return books, they will meet the librarian and the librarian will update the information about loaning/returning information on Wellib.

Sending book information to admin to import: When librarians want to add/delete/edit book information, they will send admin its information to update.

Sending admin request to add/delete/edit reader information: Each account update will be sent to admin by librarian to update.

3. Admin

Add/delete/edit books information: Admin will import books information with a csv file.

Create and manage reader and librarian accounts: All accounts will be managed only by admin.

Report: Admin can export reports on books, loan/return books, etc.