



# SOFTWARE ENGINEERING

## YOUR LIBRARY

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## **What is the purpose of using the system? Who and how will they use system?**

- The platform we developed is an environment where you can create your own library.
- The purpose of the platform to offer an environment where user can create own library by starting to read among thousands of categorized books.
- Sources are free to everyone who is sign up to platform for 30-days. After 30-days trial, it is going to be possible to continue to use the platform for monthly with certain fee.
- User can read books' contents and if he/she likes it, he/she can start reading the book thus the book is going to be added to his/her library.
- Admin can delete users.

## **What is the general function of the system and what will the system do? How will it help users do their job?**

- The system restricts access of an unregistered user and only allows access to books by signing up.
- The system allows users create their own libraries.
- The system is going to added selected book which is chosen by user from the interested category to library and if he/she does not like it, he/she can delete it from the library.
- The system offers the user to easily find the books what they are looking for by providing a large book archive. Also, the system provides to save time by categorized books.
- System offers a user-friendly interface for people of all ages can use easily.

## **What are the main components of the system? Divide the system into logical or architectural components and explain the main reason for this separation?**

Logical components relate to user interface, so it is about platform visible part by user and architectural components are about where data is stored. Therefore, we have separated as stated below.

- **Architectural:** MSSQL was used while developing the platform.  
There are 4 main classes in our system: people, book, library, and category.
- **Logical:** The platform has been built with ASP.Net MVC on Visual Studio 2019.

### **User**

Registration: New members register.

Login: User is logs in and authorized.

Logout: User logs out of the system.

Delete: Admin can delete user.

EmailChecker: Checking the mail during Sign up for if its already exist.

### **Book**

Index: Listing books without categories with search box.

Details: Details of books.

Download: User downloads books.

AddLibrary: Adding books in the library.

**Library**

Index: Listing books in library with search box.

Delete: Deleting books in the library.

**Category**

Index: Listing categories.

Details: Listing books in category.

**Payment**

PaymentWithPaypal: Redirecting to the PayPal payment gateway.