



**Subject: Web Development**  
**Project: Website for Online Library**

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# **System Vision Document For E-Library Information System**

## **Problem Description**

Information technology that is growing rapidly must be used to support education and learning activities in educational institutions. One of the needs of the education field is the existence of a library or collection of books and research journals. The procurement of books and journals collection in reality requires considerable costs and space, so a breakthrough is needed to provide a collection of books and journals effectively and efficiently which would be used by students of the University mostly. To realize the existence of an effective and efficient library, it can utilize information technology in the form of e-library applications that can be accessed quickly and easily by its users. The use of e-library applications is a breakthrough to save the cost of procuring books and journals, where a collection of books in e-library can be in the form of e-book. The e-library application will make it easier for users to find and access the references needed.

## **Business Benefits**

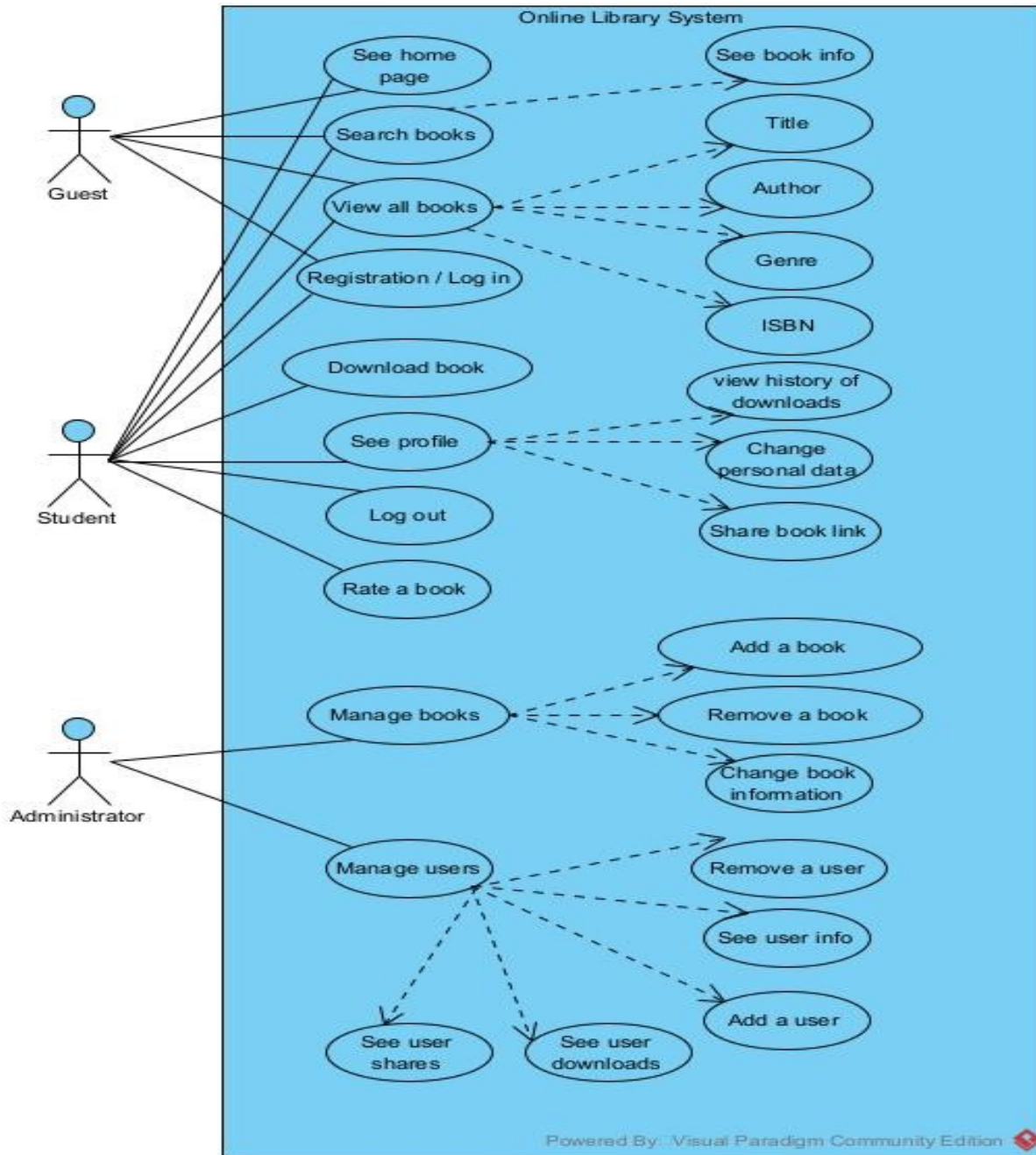
- Users can download e-books or e-journals in e-library applications as reference material for learning activities or scientific article writing.
- Users are also facilitated to find references quickly and easily by using keywords.
- The existence of e-library application also provides positive benefits in maintaining environmental balance, because the use of references is done paperless. The use of paper to print reference books can be reduced because it is enough to use electronic media as a reference support.

- The existence of a well-managed e-library will make it easier for users to access the e-book needed, so users can learn easily through their laptops and cellphones without having to visit a conventional library.

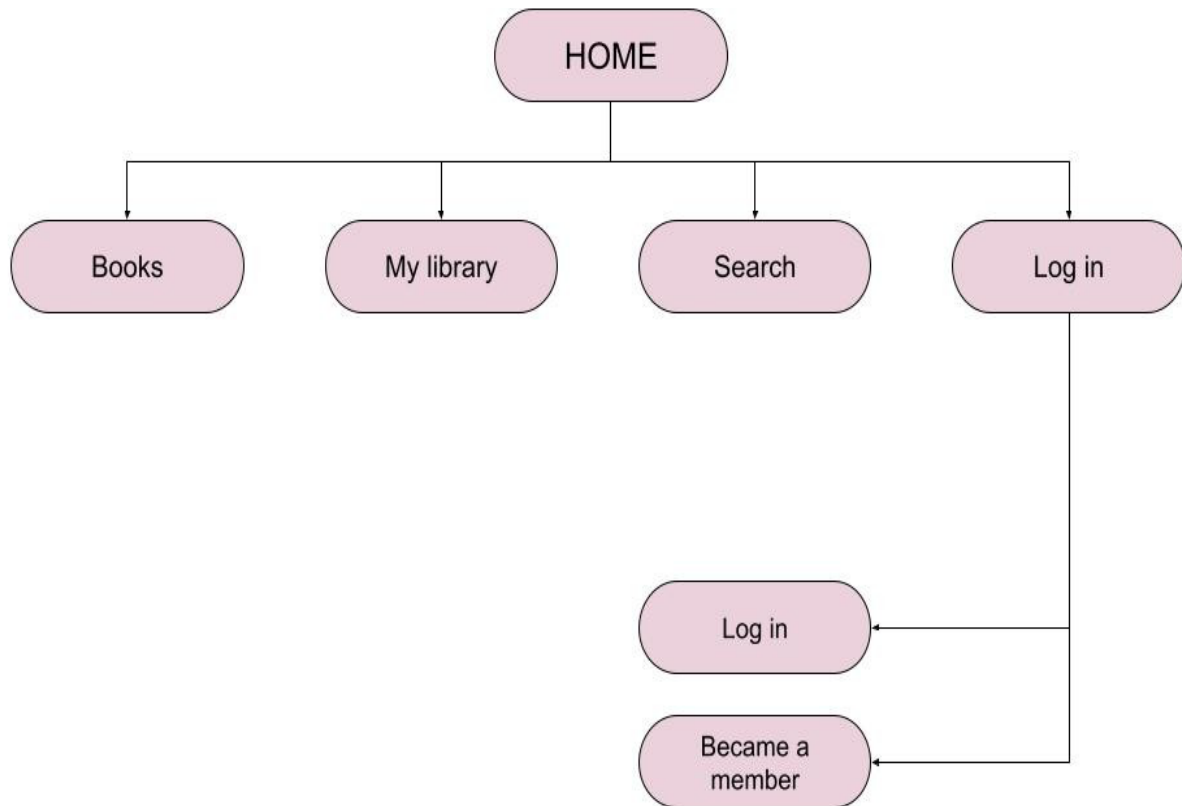
## **System Capabilities**

- The system is expected to have three views: guest, student and admin view.
- The system provides users in guest mode to see the home page, log in or register, view online library with available books on the site, search for books and also see their information and rating.
- Besides everything that user can do in guest mode, in student view user is also able to download and rate books, share book links, see and change his profile with his personal information and download history, and log out.
- Administrator is able to manage books and users. He can add and delete books and in addition edit information about them. As well, he can add and remove users, see their information, downloads and shares.

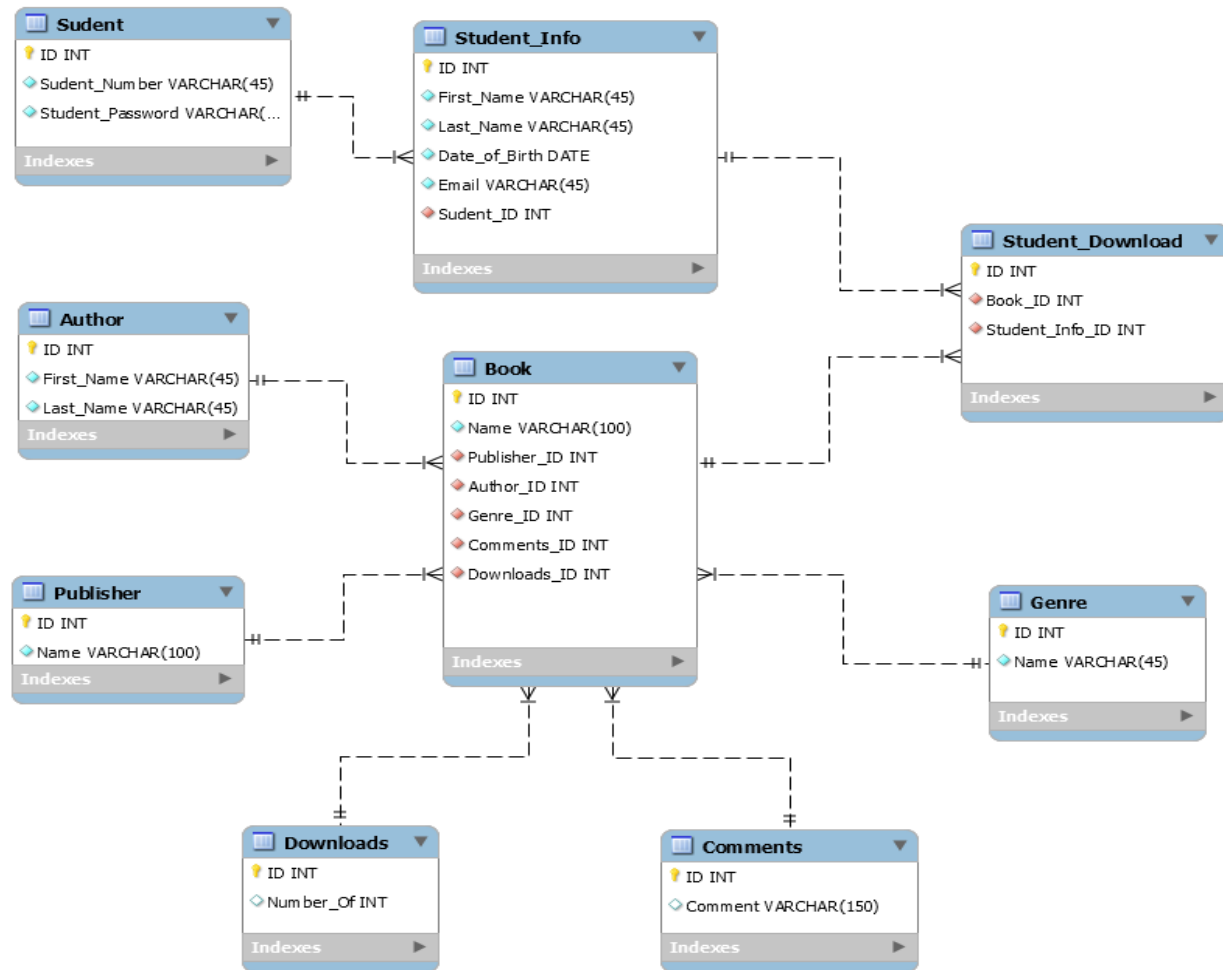
## Use case diagram created using Visual Paradigm Community:



## Map of our Website created using Google Drawing:



## Entity-Relationship diagram created using MySQL Workbench:



# Wireframes created using Figma:

