Library Online “elibrary.edyu”

**Design Document**

**Version 1.0**



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**Revision History**

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| --- | --- | --- | --- |
| **Date (dd/mm/yyyy)** | **Version** | **Description** | **Author** |
| Current date | 1.0 | E-Library is a digital library website, where users can find books according to their needs by using filters and easily read books. E-Library maintains the information about the books, their authors, and members of a library which is very complex to maintain the information manually. E-library helps in many instances of maintenance. It will reduce the manual workload. | BC180408671,  BC180203457 |
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1. Introduction of Design Document

The design document is used to provide the documentation aid in software development providing the detail of how the system should be built. This document contains the contextual as well as the visual design of the application. This design activity provides a roadmap for the completion of the project and will make sure the achievement of the requirements of the project and let the project be the final deliverable stage.

The reason behind writing this document is to provide you with a graphical and textual design of the E-Library. This document briefly explains to you the application design with the help of several design diagrams including ERD diagram, sequential diagram, database diagram, and architecture diagram.

1. Entity Relationship Diagram (ERD))

<Provide Entity Relationship Diagram (ERD) of your system>

1. Sequence Diagrams

|  |
| --- |
| Sequence Diagram for Admin |
| For Login |
|  |
| For adding books |
|  |
| For updating books |
|  |
| For deleting books |
|  |
| For adding categories |
|  |
| For updating setting |
|  |
| For deleting categories |
|  |
| For view user |
|  |
| For view books |
|  |
| For update setting |
|  |
| For logout |
|  |

1. Architecture Design Diagram

<Provide a Tiered Architecture of the system>

1. Class Diagram

<Provide Class Diagram of the system>

1. Database Design

<Provide Database Design Diagram of the system>

1. Interface Design

<Provide here the screenshots (GUI) of the system (Provide 3 or 4 main GUIs/interfaces, to show the most important features of the application as you are visualizing your application to be, in actual development phase. You can update these GUIs in Final Report and Final Presentation, in case they are changed after the actual development.>

1. Test Cases

<Provide test cases for each use case scenario>