# Software Requirements Specification

# for

# <Online Library Management System>

Version 1.0 approved

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<09-08-2023>

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1 Introduction

* 1. Purpose/Objective
  2. Document Conventions (Definition, Acronyms, Abbreviations)
  3. Scope
  4. References

1. History/Background Study (Sources of Domain Knowledge)
   1. Technical Literature
   2. Existing Applications
   3. Customer Surveys
   4. Expert Advice
   5. Current/Future requirements
2. Overall Description
   1. Product Functions
      1. Hardware Requirement
      2. Software Requirement
   2. Functional Requirements
      1. User login and sign up-

User will have to enter his/her details to either login in portal or to make an account to use the services.

* + - 1. Sign up-

Users will have to enter the following details

• Name

• Age

• Gender

• Phone number

• Email id

• Address

• Profile picture

* + - 1. Login-

Input: Login Id and password Output: If credentials are correct it will lead to home page else prompt “Invalid Credentials”

* + 1. Profile Management-
       1. Edit Details-

User will have the flexibility to change

his/her following details

• Edit profile picture

• Edit phone number

• Edit email

* + - 1. Delete account-

A delete account button will be clicked and a

confirmation message will be approved by

the user to delete the account.

* + - 1. Notification-

Notification about the following things will

be shown here:

• Issued books with name

• Reminder to return the book

on the last day

* + 1. Library-
       1. Latest arrivals-

All the latest arrived books will be displayed

on the screen in this section.

* + - 1. Searching books and applying filter-

User can search the books based on following

filters:

• Category e.g. science, fiction, novel

etc.

• Date arrived

• Author

• Number of pages

* + - 1. Seeing preview and availability-

If a user likes a Book then it can preview some

pages of the book and check whether it is

available to be issued or not.

* + - 1. Adding to cart-

Once a user likes a book the he can simply

click on the add to cart button to add the book

to the cart.

* + 1. Library History-

Here the previous activity of the user in the portal will be

Shown.

* + - 1. Books read-

All the books read by user will be listed here

* + - 1. Issued date-

Issued date of the book will be shown.

* + - 1. Returned dates-

Issued date of the book will be shown and if

the user has not returned the book then

“BNR” will be shown.

* + 1. Library counter-
       1. Card and payment-

Here list of added books will be available

along with the following options:

• Remove books from cart

• Proceed to payment

* + - 1. Reviewing and printing the script-

Once the payment has been done then a

receipt will be generated with the booker’s

information and a unique issuing number

which will help in issuing the book from the

library.

* + - 1. Fines-

In this section the user will see all his fines

that has been imposed on him for not

returning the books on time along with

following details:

• Book name

• Issued date

• Actual returning date

At the bottom user will have the button to

take him to the payment gateway to pay fine.

* 1. Non-Functional Requirements
     1. Correctness Requirement
     2. Portability requirement
     3. Efficiency Requirement
     4. Usability Requirement
     5. Reusability Requirement
     6. Reliability Requirement
     7. Maintainability Requirement
  2. User Characteristics
  3. Design & Implementation Constraints
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1. Interface Requirements
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2. Conclusion