

Q. Library Management System :-

1. Introduction

1.1 Purpose of this document

Provide functional and non-functional requirements. It illustrates the entire process and guidelines to keep track of all books, papers, magazines in library.

1.2 Scope of this document

This system must be able to perform

- Easy borrowing and lending process
- Track of deadlines ; late fee calculation
- Catalogue for book details

easy to access from database.

1.3 Overview

Windows system application that provides librarian to scan barcode to enter details in library and provide by user.

2. General Description

Borrower must provide card to the librarian to register details of borrowed books and generate a statement of book and date details to be given to user.

3. Functional Requirements

A barcode scanner is required to input details and book details. After book is registered a statement must be generated.

Deadline and late Fee
As it's a software system timestamps can be used to track and impose fees.

Catalogue

Efficient and fast access to any keyword of book title entered by librarian.

1. Interface Requirements

- Filters based on genre, author, publishing year, sorting alphabetically.
- Librarian must know the stock of books, magazines, papers, journals etc.

5. Performance Requirement

Fast search results within 500 ms and must be able to store one lakh books/entries.

6. Design Constraints

Real time Update of database - Lended books and user details.

7. Non-Functional Requirements

User details must be hashed correctly into barcode.
Easy to use UI

8. Preliminary Schedule and Budget

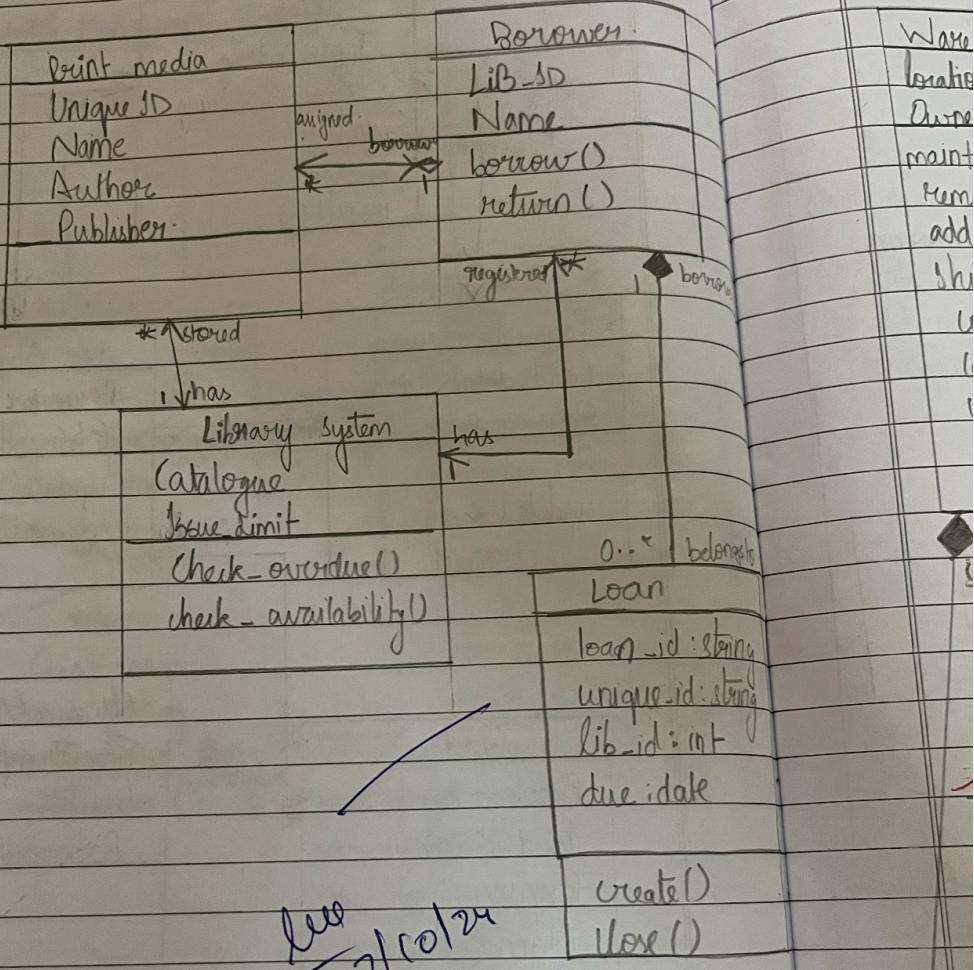
The project must be completed within 3 months with a budget of 3000\$. If needed 500\$ can be availed.

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3. Library Management System :-

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