

LIBRARY MANAGEMENT SYSTEM

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INTRODUCTION

With the increase in the number of readers, better management of libraries system is required. The Library management system focuses on improving the Management of libraries in a city or town. “What If you can? Check whether a book is available in the library through your phone?” or “what if instead of Having different library cards for different libraries you Can just have one?” or “you can reserve a Book or issue a book from your phone sitting at your home!”. The Integrated Library Management system Provides you the ease of issuing, renewing, or reserving a book from a library within your town through your phone. The Integrated Library Management system is developed on the android platform, which focuses on issuing, renewing and reserving a book.

PURPOSE

The purpose of the project is to maintain the details of books and library members of different libraries. The main purpose of this project is to maintain a easy circulation system between clients and the libraries, to issue books using single library card, also to search and reserve any book from different available libraries and to maintain details about the user (fine, address, phone number). Moreover, the user can check all these features from their home.

SCOPE

Manually updating the library system into an android-based application so that the user can know the details of the books available and maximum limit on borrowing from their computer and through their phones. The ILM System provides information's like details of the books, insertion of new books, deletion of lost books, limitation on issuing books, fine on keeping a book more than one month from the issued date Also user can provide feedback for adding some new books to the library

OVERALL DESCRIPTION

PRODUCT PRESPECTIVE

The proposed Library Management System will take care of the current book detail at any point of time. The book issue, book return will update the current book details automatically so that user will get the update current book details.

SOFTWARE REQUIREMENT

Front end:

- HTML
- CSS

Back end:

- MySQL

HARDWARE REQUIREMENT

- Android version 2.3 ginger bread (minimum, android user's)
- 2GB ram
- 1.2 GHz processor
- Intel i5
- Windows 7/8/8.1/10

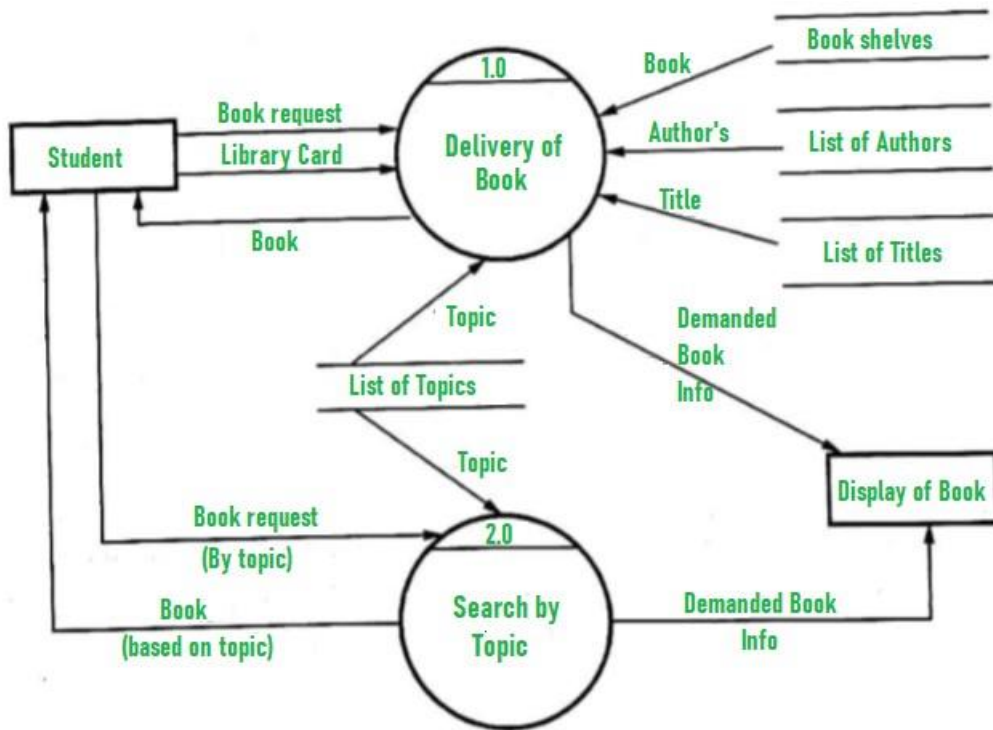
Functional Requirements

- Register-
- Sign up-
- Login
- Manage books by user-
- Books Issued-
- Search-
- Issue books-
- Renew book-
- Return-
- Reserve book-
- Fine
- Manage books by librarian-
- Update details-
- Remove books

Non Functional Requirements

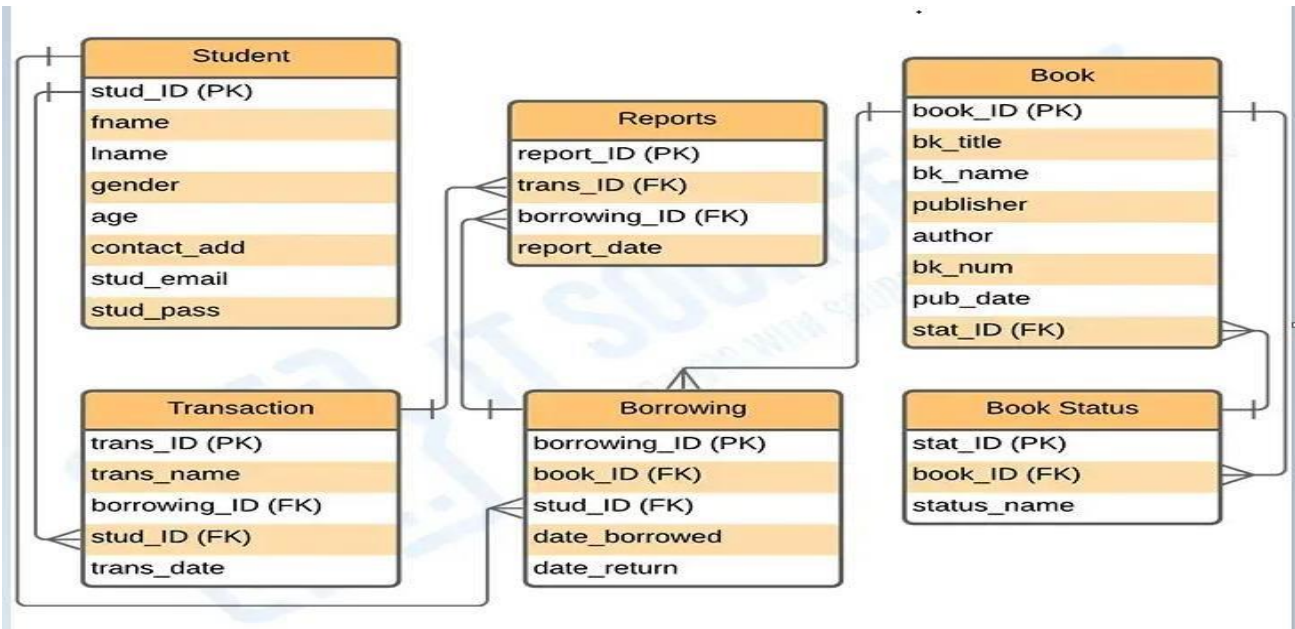
- Usability Requirements
- Availability Requirements
- Efficiency Requirements
- Accuracy
- Performance Requirement
- Reliability Requirement

FLOW DIAGRAM:

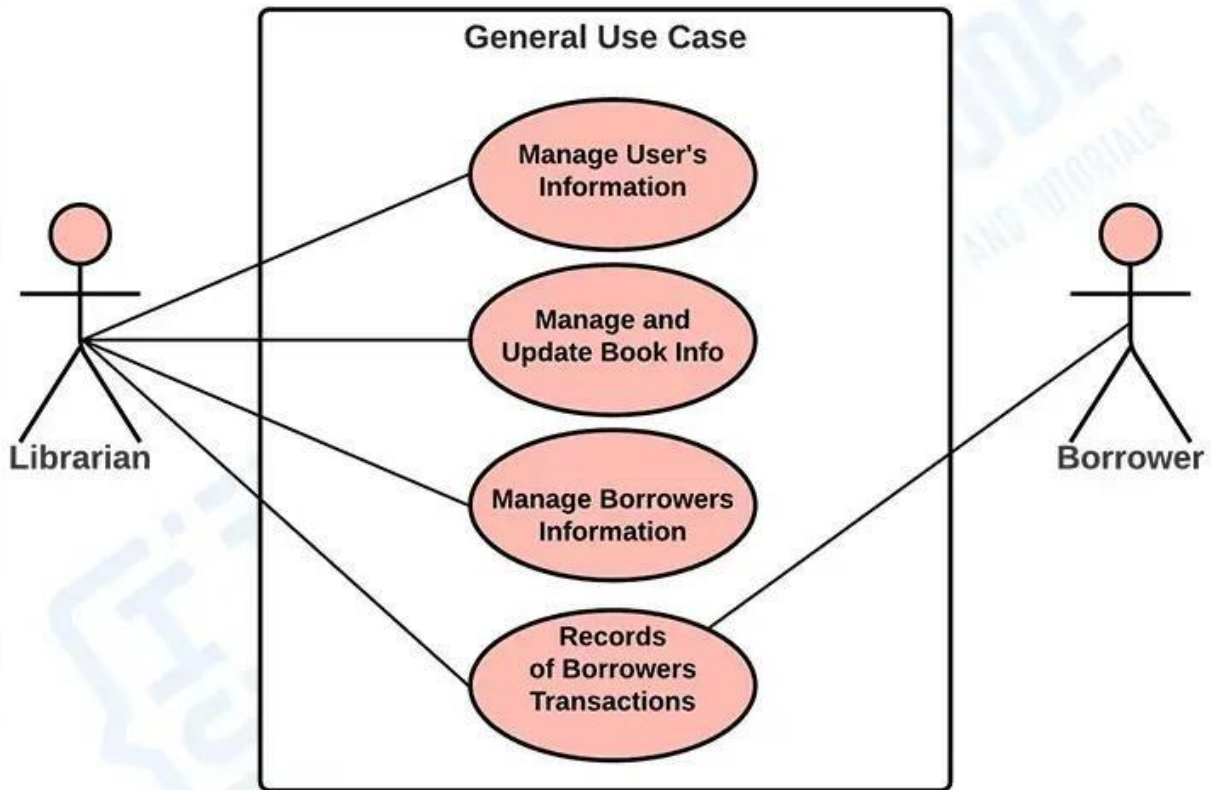


Level 1 DFD

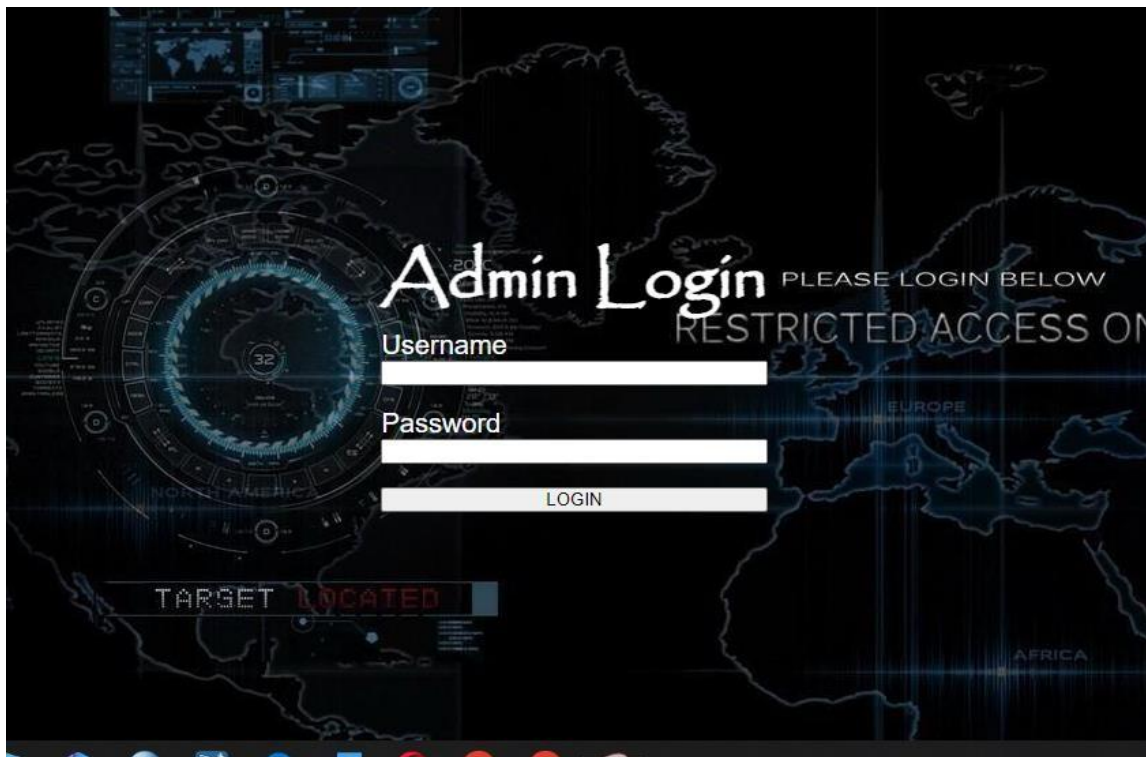
ER DIAGRAM:



USE CASE DIAGRAM:



LIBRARY MANAGEMENT PROJECT



List of Books

Member Details

Issuance Details

Logout

List of books

Add book

ID	TITLE	AUTHOR	ISBN	STATUS	PUBLISHER	EDITION	YEAR-OF-PUBLISHING	OPERATIONS	
2	Harry Potter and the Deathly H	J. K. Rowling	545010225	Available	Fiction CREATIONS	1	1930	Update	Delete
3	A Game of Thrones	George R. R. Martin	553103547	Issued	Fiction CREATIONS	1	2010	Update	Delete
4	A Storm of Swords	George R. R. Martin	553106635	Issued	Fiction CREATIONS	2	2015	Update	Delete
5	A Clash of Kings	George R. R. Martin	553108034	Issued	Fiction CREATIONS	5	2010	Update	Delete

Title

Harry Potter and the Deathly H

Author

J. K. Rowling

ISBN

545010225

Publisher

Fiction CREATIONS

Edition

1

Year of publishing

1930

Update

Member Login

Username

admin1

Password

LOGIN

Dont have an account? [Register here](#)

Welcome to the library.

[Check Books](#)[Check Your Issuance](#)[Logout](#)

List of books

[Search book](#)

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5	A Clash of Kings	George R. R. Martin	553108034	Issued	Fiction CREATIONS	5	2010
6	A Feast for Crows	George R. R. Mbooksbooksbooksa	553801503	Available	Fiction CREATIONS	6	2020
7	Good to Great	Jim Collins	2147483647	Available	K M	3	2010
8	The Pigeon Tunnel	John le CarrÃ©	2147483647	Available	FK	2	2005
9	Mockingjay	Suzanne Collins	2147483647	Available	Fiction CREATIONS	5	2020