# LIBRARY MANAGEMENT SYSTEM

Github Link: <a href="https://github.com/serahmichaels/library-management-system">https://github.com/serahmichaels/library-management-system</a>
Video Demo: <a href="https://iu.mediaspace.kaltura.com/media/t/1\_xw17l2fb">https://iu.mediaspace.kaltura.com/media/t/1\_xw17l2fb</a>

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## KEY FEATURES

## 1. User Management

Library card holders can create their account and obtain a library card number. They can view their profile and manage their current reservations.

## 2. Catalog Management

In this program, you can view your full catalog, add, edit, and remove titles.

## 3. Reservation System

Library card holders can reserve titles from the catalog in this program using their library card number.

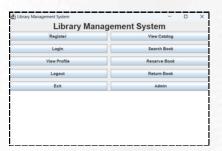
#### 4. Database Connection

All items in the catalog and user information is stored in a SQL database to ensure that title reservations and library card information is retained.

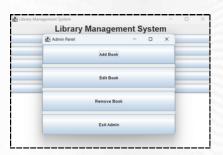
#### 5. Friendly User Interface

An organized and easy to use interface allows library card holders to easily access the library's catalog and reserve titles.

# **SCREENSHOTS**

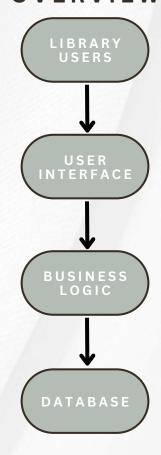


Library Management System	
Register	View Catalog
Login	Search Book
View Profile	Reserve Book
Logout	Return Book
Exit	Admin
3. Jane (pre- Charlotte Bronde (Available Occies: 1) 4. Frankensten: Anly Stehler ((Jivaliable Occies: 1) 5. The Alchemist - Paulo Coetho ((Available Occies: 3) 6. The Picture of Dorson Gray - Oscar Wilder ((Jivaliable Occies: 3) 7. Drockal - Barra Stokler ((Available Occies: 3) 8. Les Mortables - Victor Happ ((Available Occies: 3) 9. Anna Karenna - Lor Totory ((Manable Occies: 3) 9. The Borthers Karanazov - Pydodr Dostoverkig ((Available Occies: 3) 9. The Borthers Karanazov - Pydodr Dostoverkig ((Available Occies: 3) 9. The Borthers Karanazov - Pydodr Dostoverkig ((Available Occies: 3) 9. The Borthers Karanazov - Pydodr Dostoverkig ((Available Occies: 3) 9. The Borthers (Available Occies: 3) 9. The Borther	



Library Management System	
Register	View Catalog
Login	Search Book
View Profile	Reserve Book
Logout	Return Book
Exit	Admin
ame: John Smith and Number: 6514 our Current Holds: k Kill a Mockingbird - Harper Lee (Due: 2025-05-21)	

# ARCHITECTURE OVERVIEW



# SYSTEM REQUIREMENTS

## SOFTWARE

- JDK 11.0 or later
- MySQL 8.0 or later
- JDBC Driver

## HARDWARE

- RAM: 4gb minimum
- Any CPU