**MINI-PROJECT REPORT**

Library

Management System



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# Introduction;

# Library Management is a project that manages and stores books information

# Electronically according to students needs. The system help both students and library manager to keep a constant track of all the books available in the library. It allows both the admin and the student to search for the desired book.

# Objective:

To build a system that can receive input and generate automatically output in easy way and short time.

To build a Monitoring system that is able to monitor and manage all library operations efficiently.

# Benefits:

1. Record Maintenance
2. Web-Based Solution
3. Saves Time and Cost
4. Secure and Reliable
5. Increase Efficiency
6. Simple and Easy to Use

# Who:

This Library Management System is an application is used by all the students,

And staff who are having id’s.

# What:

Library Management System is software that helps to maintain a database that is useful to enter new books & record borrowed by the members, with the respective submission dates.

# Where:

The Library Management System is nowadays essential for schools, colleges, private libraries, and other organizations.

# How:

This project is implemented to do the book issuing, return, or renewal purpose by entering the student or faculty id as input.

SWOT Analysis:

Strengths:

* Simple $ Easy to use.
* Increased Library Engagement.
* Efficient Cloud Data Management.
* Highly Secure, Scalable & Reliable
* Mobile Access

Weakness:

* The data stored is prone to cyber hacks.
* Costly and Expensive.
* Complicated to operate.
* Risk of computer virus.

Opportunities:

The LMS leaks outward into new spaces, spaces which it didn’t inhabit before, such as reading lists repositories, learning systems, research data management and so forth.

Threats:

Library now send and retrieve data from database to help better manage inventory, but some libraries don’t have the right data.





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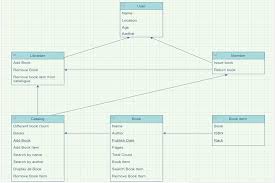
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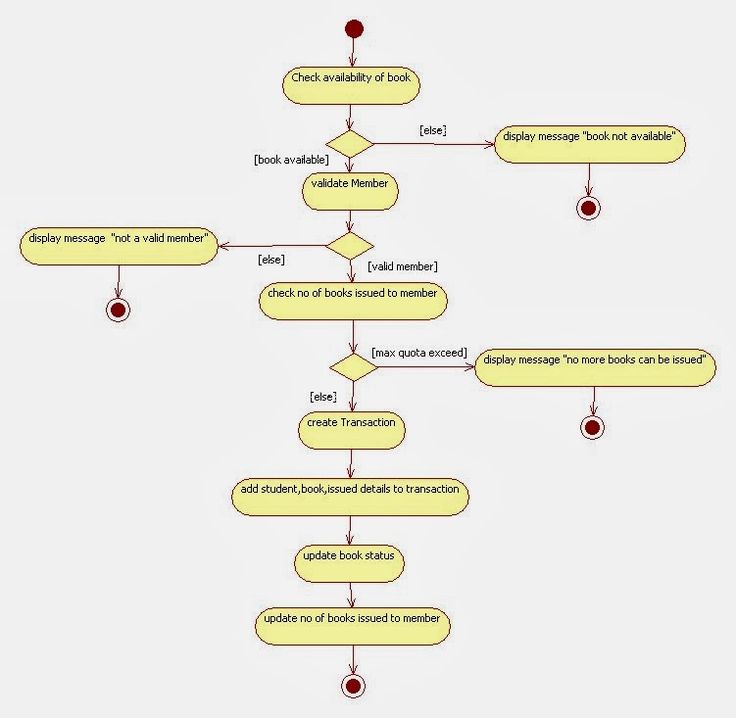
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**Architecture:**

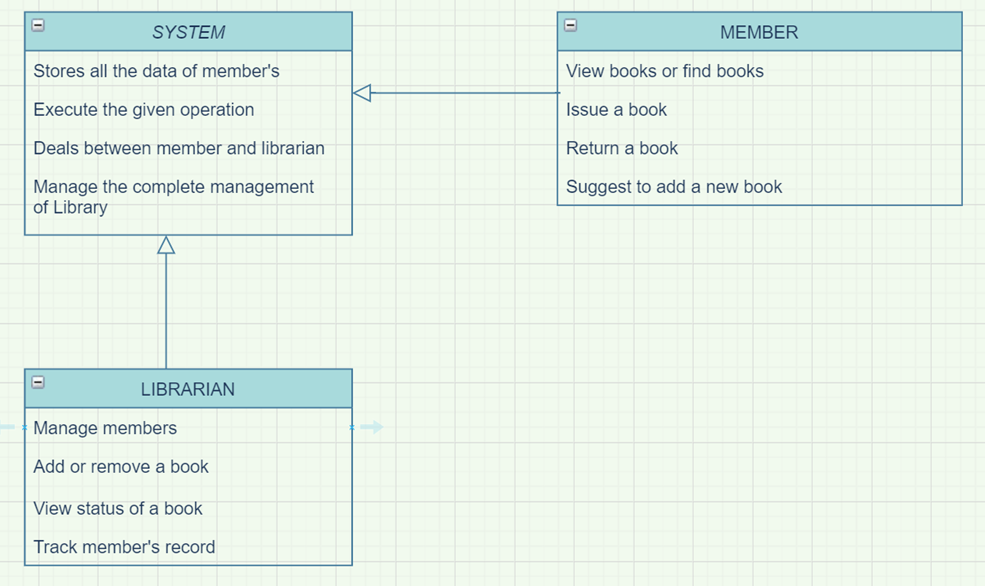
**Class Diagram:**



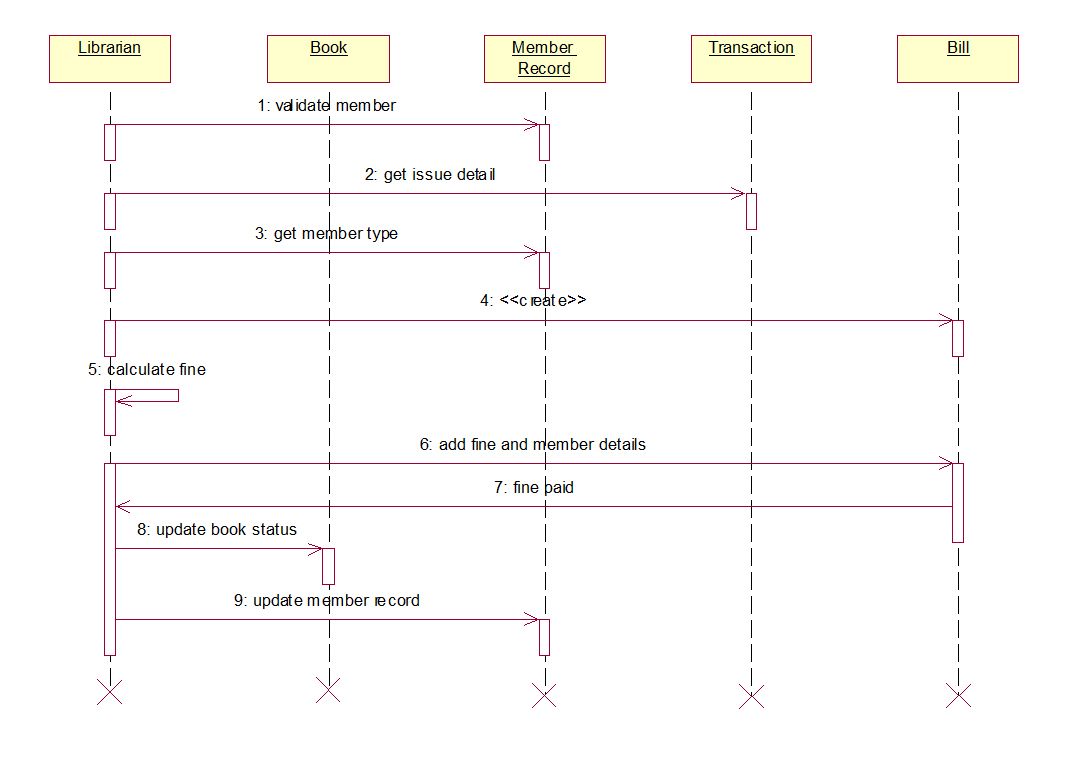
State Diagram:



Use Case Diagram:



Sequence Diagram:



# Output Images:

# Add book:

# Delete book:

# 

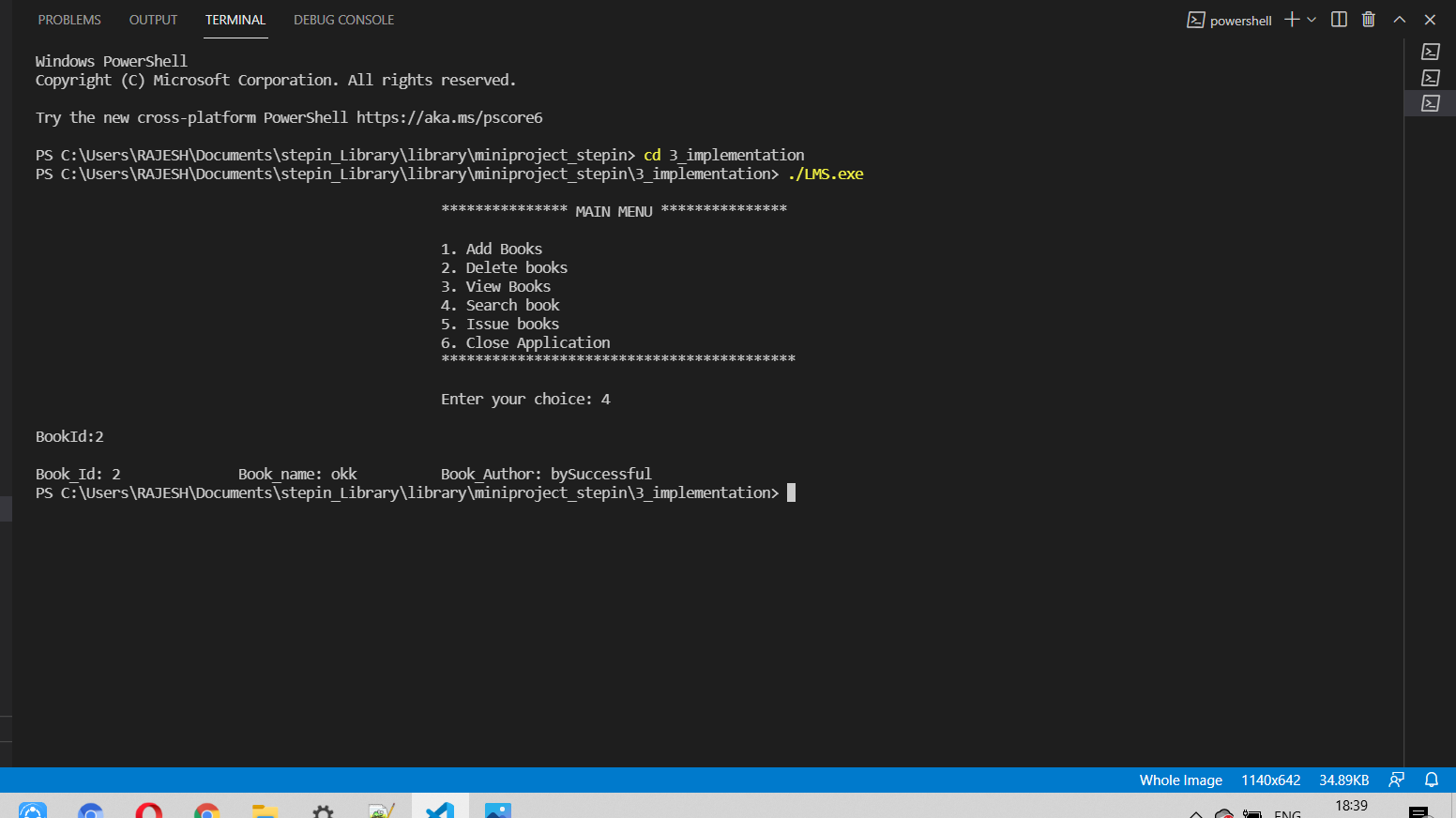
# Display view:

# 

# Issue book:

# 

Search book:



View book:

