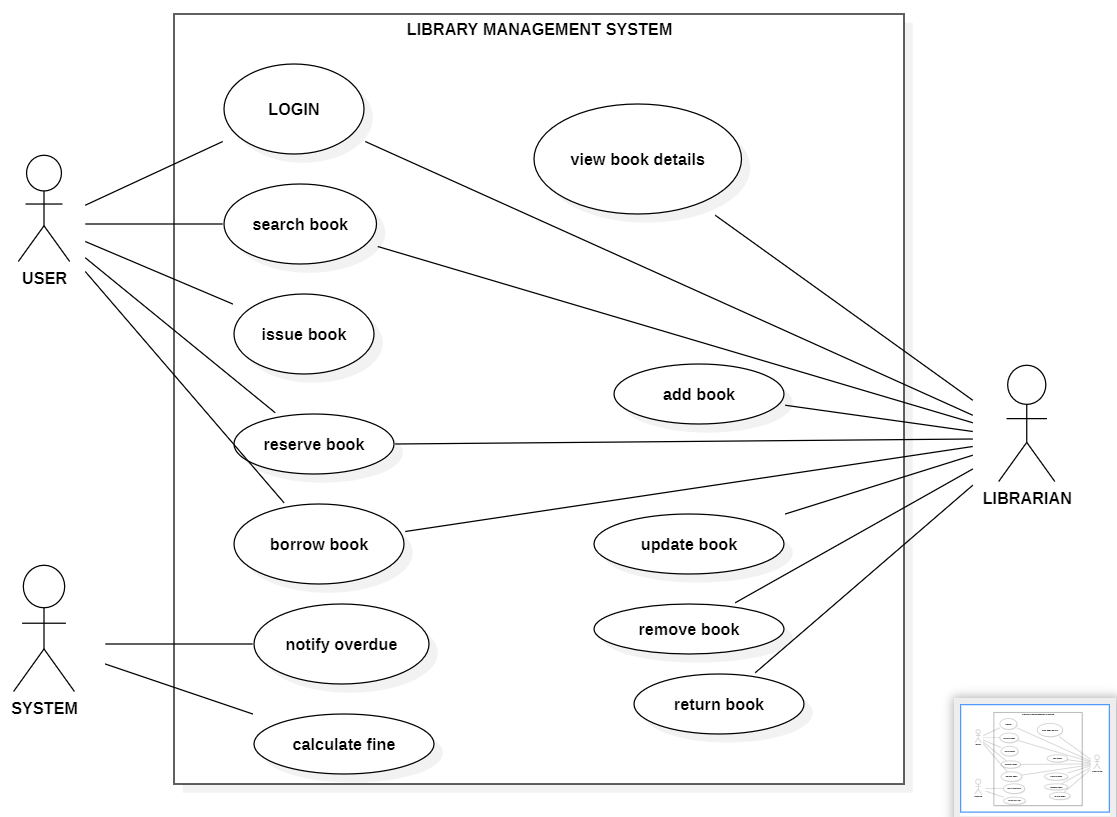10. Library Management System

Aim:
 To develop a UML Use Case Diagram for a Library Management System that manages book cataloging, user transactions, and invoicing.

Procedure:

1. Identify actors: Library User, Librarian, System.

2. Define use cases: Search Books, Checkout Books, Return Books, Manage Users.

3. Establish actor-use case relationships.

4. Validate the diagram.

Diagram:

Result:A UML Use Case Diagram representing library management functionalities.