

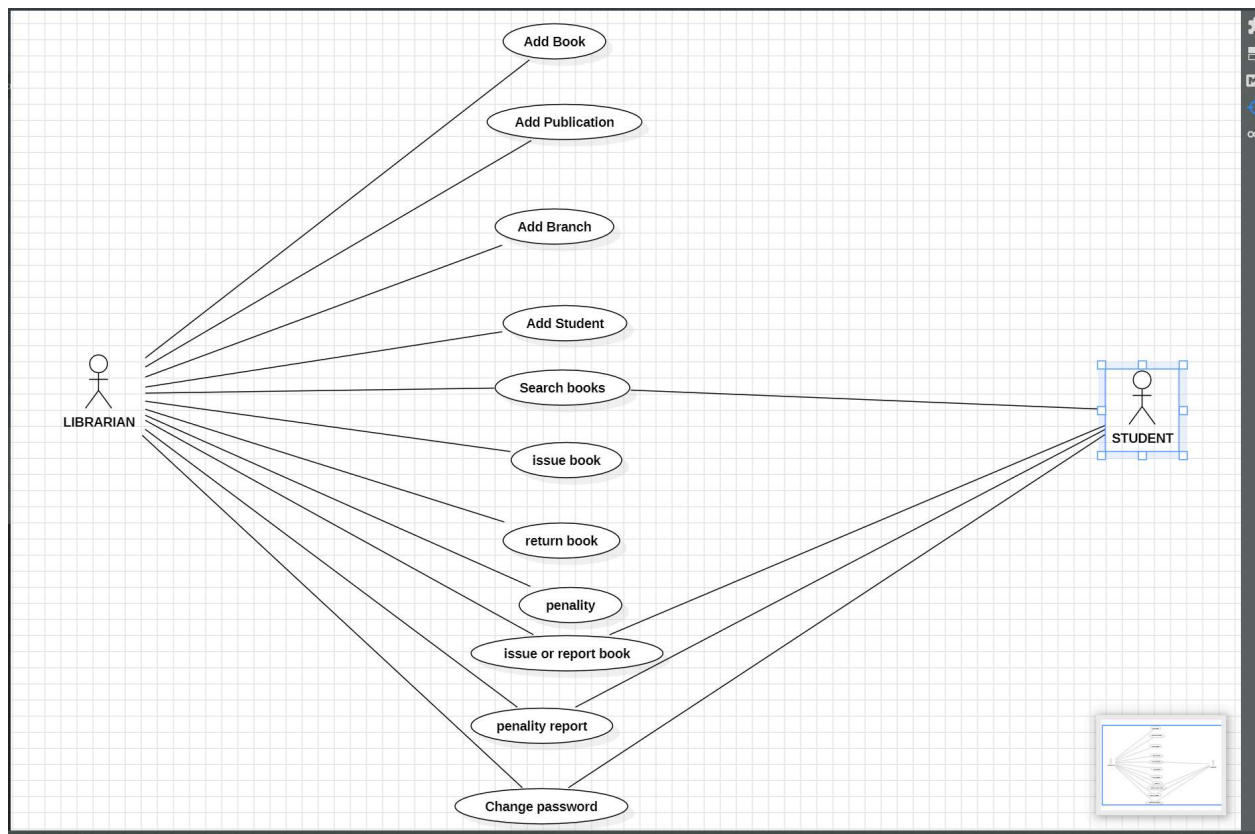
AIM:

To develop a **Library Management System** that automates library operations such as book cataloging, user management, book check-out, return, invoicing, and searching for books based on various attributes.

PROCEDURE:

1. **User Management** – Users (members) register and log in to access the system.
2. **Search for Books** – Users can search for books using properties like Book ID, Title, Author, or Publisher.
3. **View Book Details** – The system displays details of all matching book copies.
4. **Check-out Books** – Users can borrow books from the library.
5. **Return Books** – Users return borrowed books to the library.
6. **Manage Books** – The librarian adds, updates, or removes books from the catalog.
7. **Generate Invoice** – The system generates invoices for late returns or membership fees.

USE CASE DIAGRAM:



RESULT:

Successfully developed a Library Management System that automates cataloging, user management, book check-out, return, invoicing, and book searches based on user queries.