EXPERIMENT-2

AIM:

USE-CASE diagram for Library Management System using CASE tools.

OBJECTIVE:

With the advancement of technology, it is imperative to exalt all the systems into a user-friendly manner. The Library Management system (LMS) acts as a tool to transform traditional libraries into digital libraries. In traditional libraries, the students/user has to search for books which are hassle process and there is no proper maintenance of database about issues/fines. The overall progress of work is slow and it is impossible to generate a fast report. The librarians have to work allotted for arranging, sorting books in the book sells. At the same time, they have to check and monitor the lend/borrow book details with its fine. It is a tedious process to work simultaneously in different sectors.
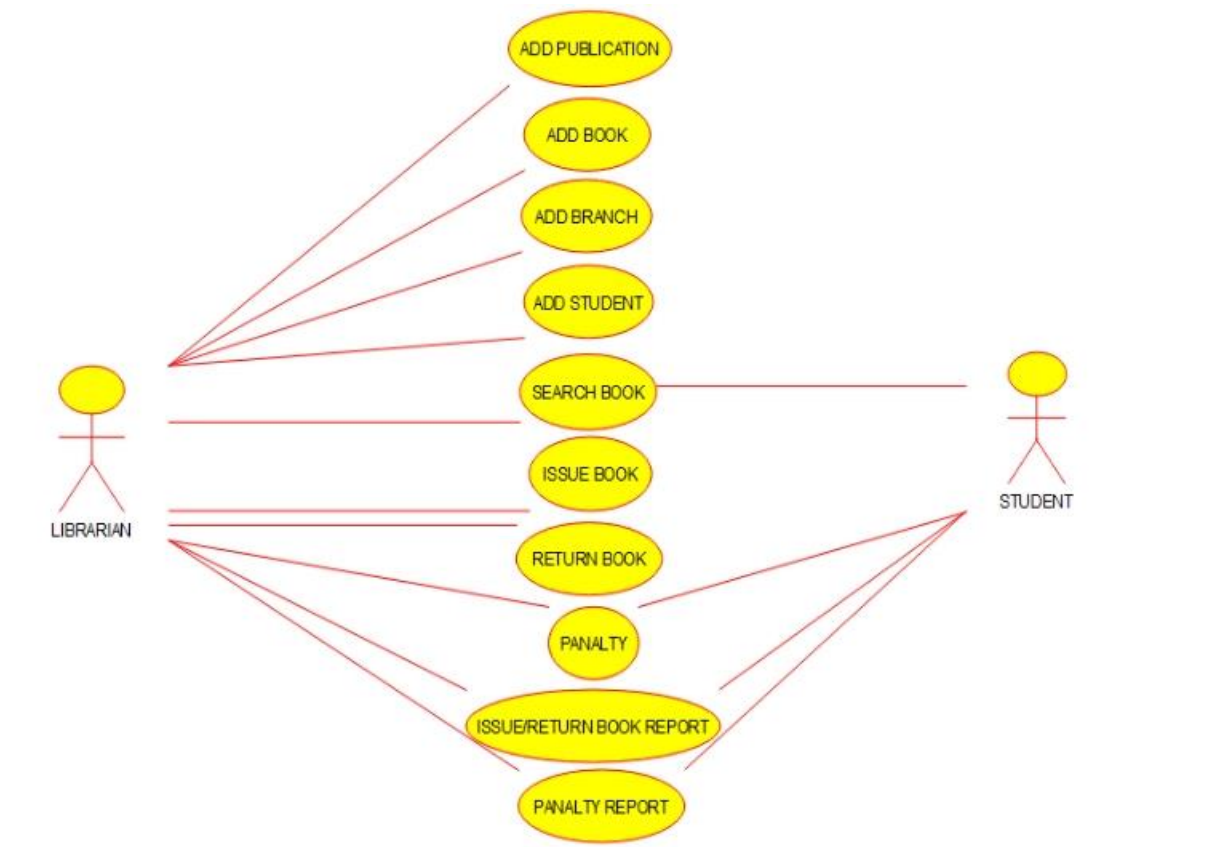
PROCEDURE:

➢ For drawing a use case diagram for Library management system, we have to download umbrella software for PC.

➢ After downloading the software install it in your PC and open it.

➢ Now just above the top of the work space an icon is there which contains several types of diagrams from that select use case.

➢ Your required tools displayed on top left of the screen (select, note, Anchor, Label, Box, Actor, use case, association, Directional association, Dependency, implements.)

➢ For drawing use case diagram for Library management system search a suitable diagram from google for reference. Now go to umbrella software select Actor and place it on the work space and name it as Librarian. For this use case diagram, we need another actor and name it as Student.

- ➤ Now select the use case from tools and name them as Add publication, Add Book, Add Branch, Add Student, Search Book, Issue Book, Return Book, Penalty, Issue/Return Book report, Penalty report. (Related to the topic).
- ➤ Last 5 step is to draw lines from particular Actors to their related activities.
- ➤ After drawing the use case diagram save it and take a screen shot of the diagram.
- ➤ Go to paint app in your PC and paste the image you captured and select only the image, copy it.
- ➤ Now open word document and paste it under related experiment.

OUTPUT:

USE CASE DIAGRAM FOR LIBRARY MANAGEMENT SYSTEM

RESULT:

Thus, use case diagram for Library management system is implemented successfully.