

# EXPERIMENT-12

## AIM:

Class 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.

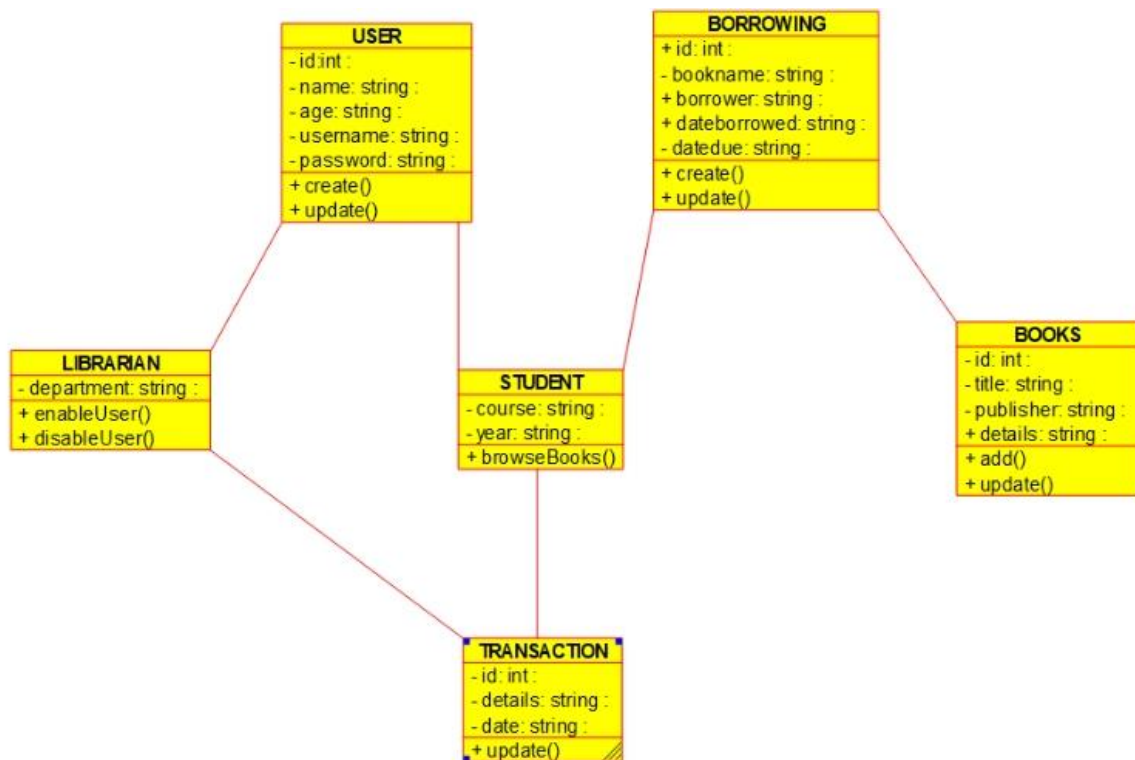
## PROCEDURE:

- For drawing a class 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 class.
- Your required tools displayed on top left of the screen (select, note, Anchor, Label, box, class, interface, datatype, Enum, package, association, Directional association, Dependency, implements, composition, aggregation and containment.)
- For drawing use case diagram for Library management system search a suitable diagram from google for reference and draw the diagram in the work space as shown in google with the help of tools.
- After drawing the class 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:

### CLASS DIAGRAM FOR LIBRARY MANAGEMENT SYSTEM.



## RESULT:

Thus, class diagram for Library management system is implemented successfully.