

Library software

Library software

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1-Requirements

-Library software shows the librarian's name and shows which books they have issued and returned...Librarians may verify members and order books , each librarian have an id number. librarians have the right to add, update, delete, search and display information about each book in library database.

-Our library software also shows the date of membership, the maximum number of books they might check out, and the members' names and addresses and give each member an id .

-It will also show the books currently checked out and the books that have been returned .. librarians create a part responsible for checking books out to members it can create , delete and retrieve transaction.

1 - Requirements

- Our library software needs to charge late fees if books aren't Returned on time so there's a bill. librarians also issues books. Every book have an id, members and librarians can search for books By author, title, date of publication, publisher, or subject .
- There are many types of book like book speaks about geography, Science ,and art .
- Books need authors . Every author of a book which have his name And biography .Each author wrote a lot of books .
- There is a notification happened in the software when some events happen.

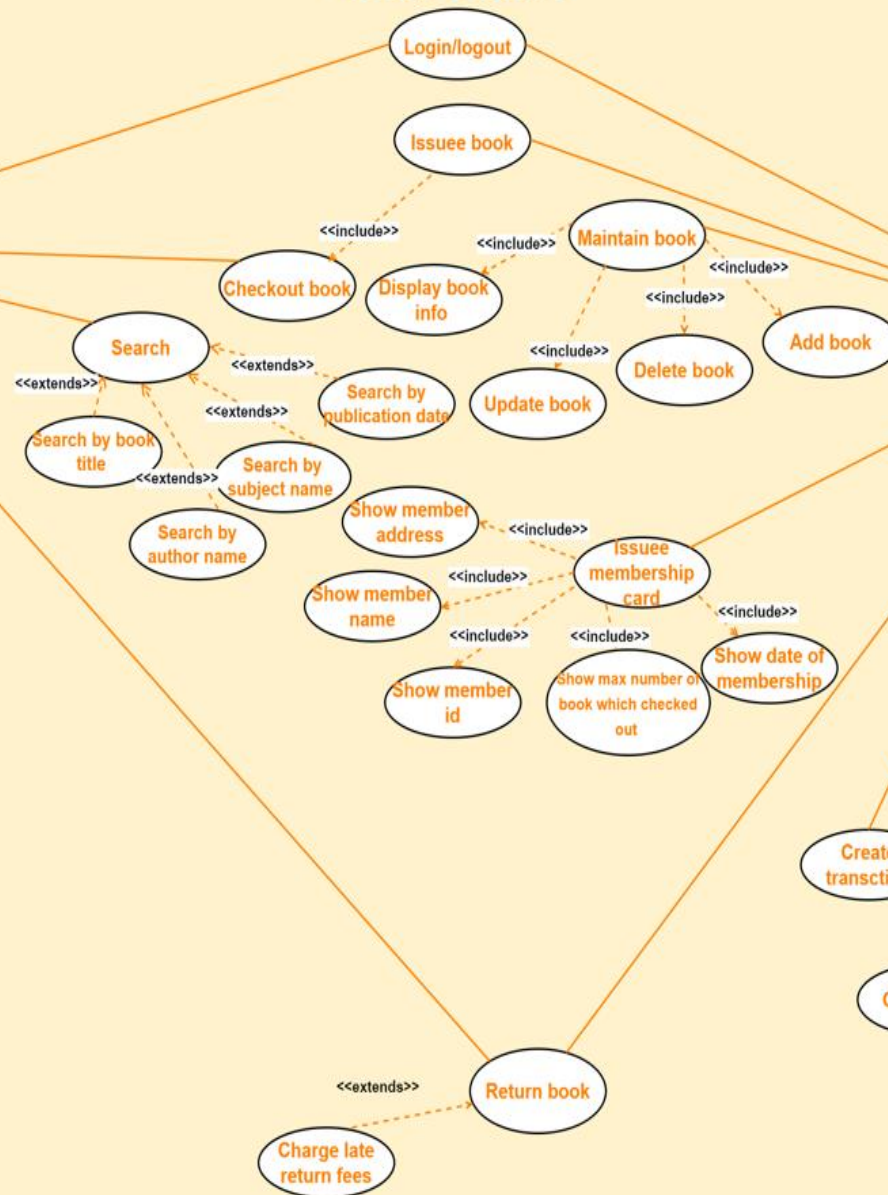
2-Use case diagram

-Made by Mariam Elsheikh & Id : 200681



Member

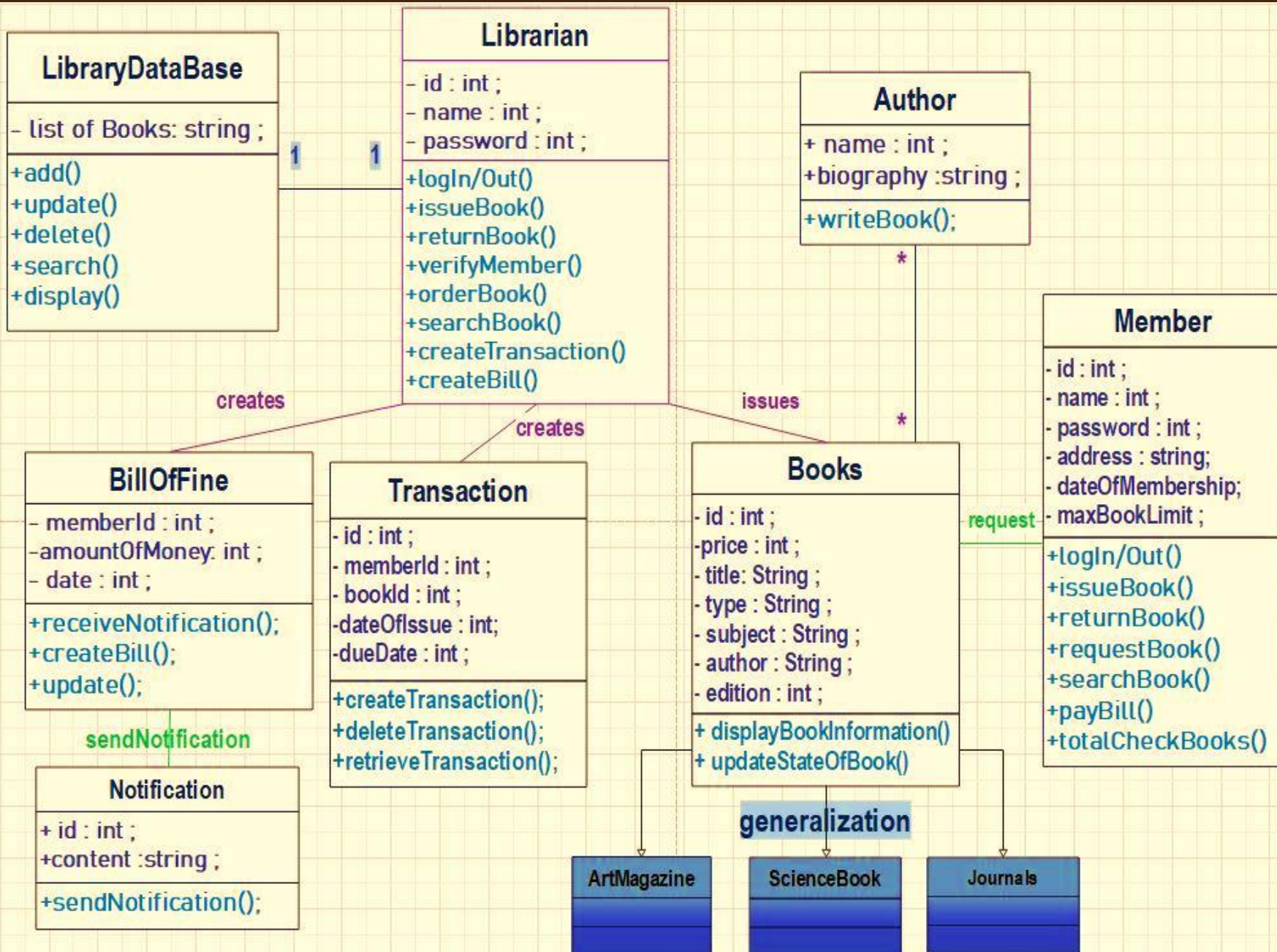
Library software



Librarian

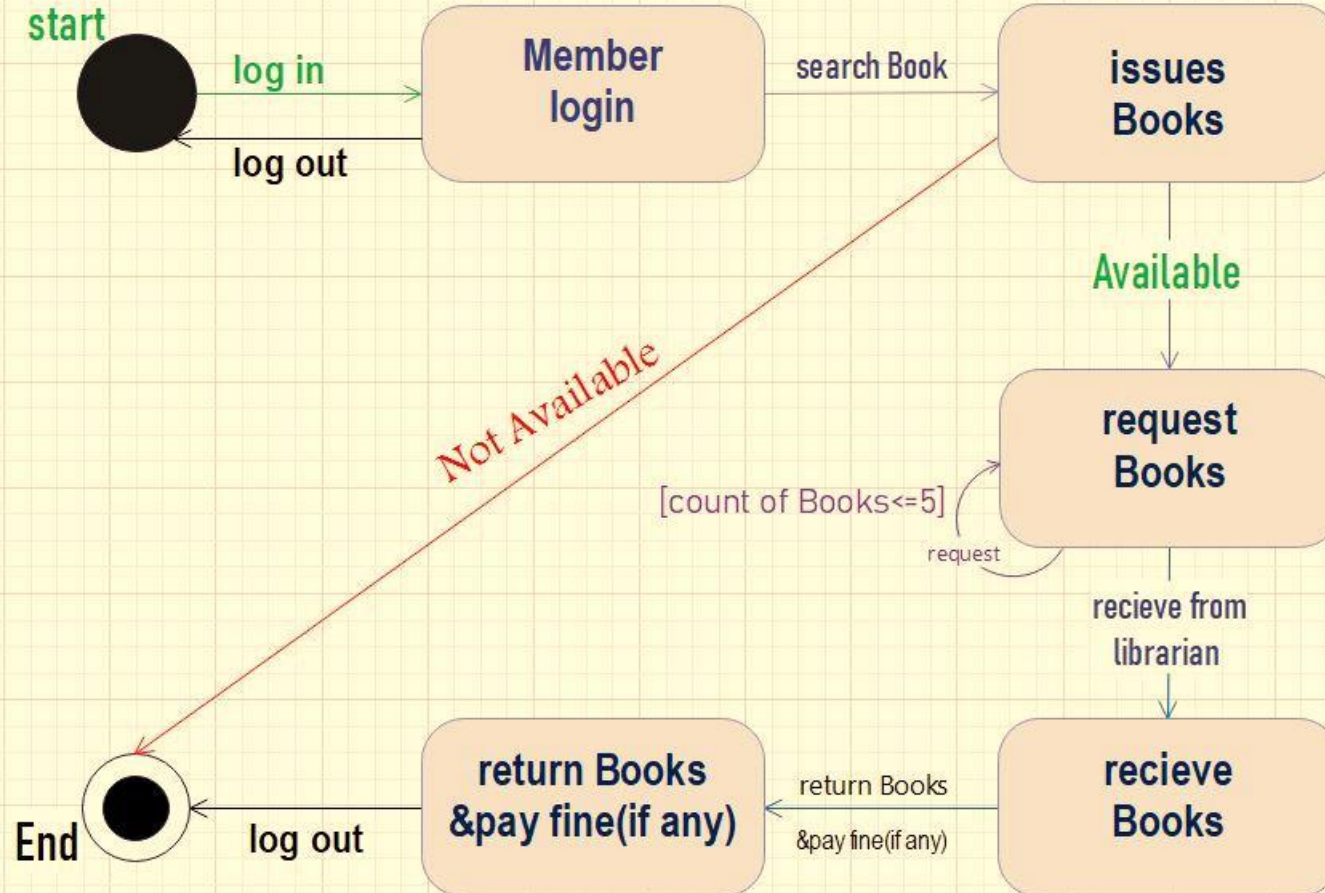
3-Class diagram

-Made by Noran Azzam & Id : 200775



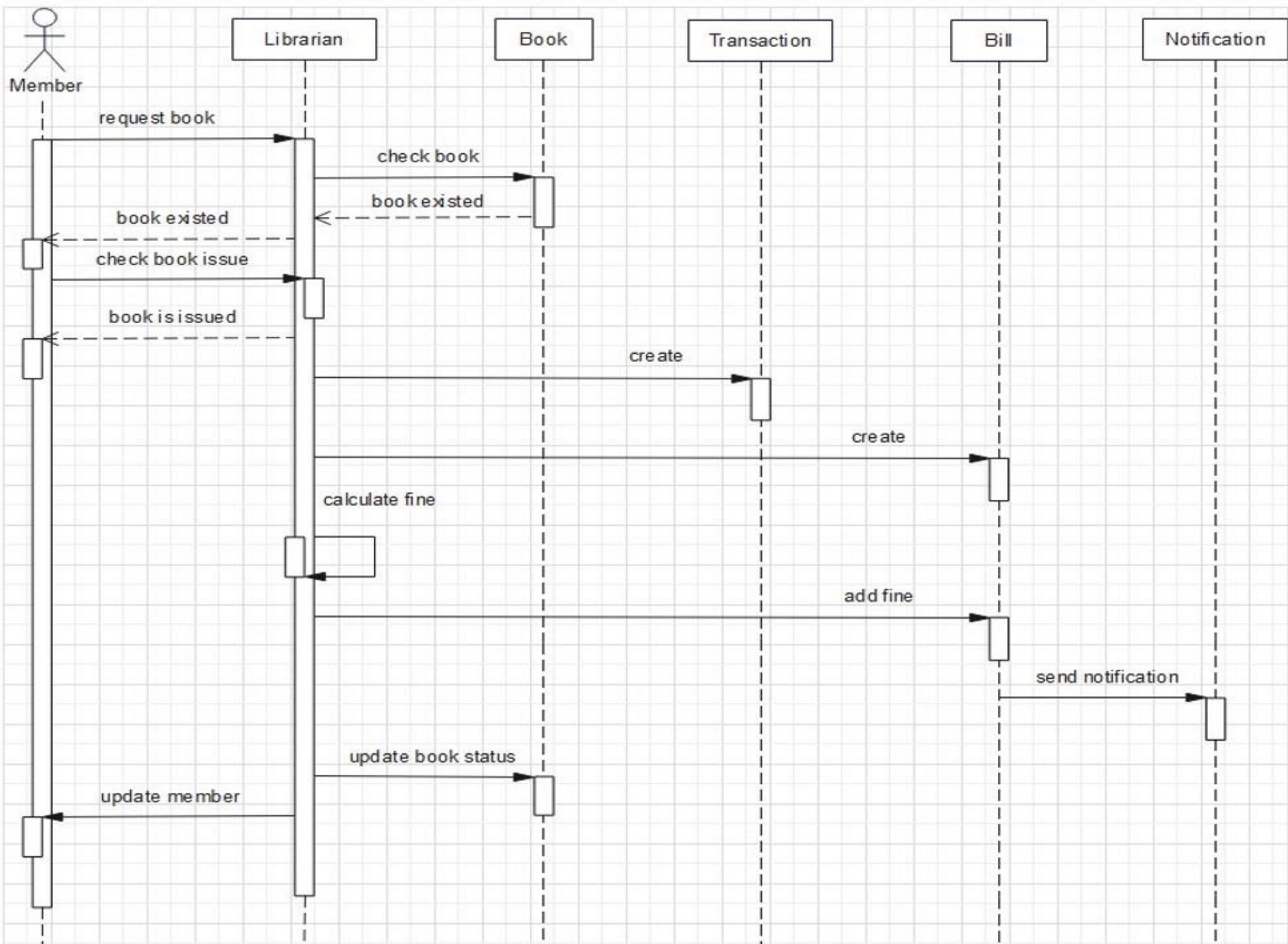
4-State diagram

state machine member in library



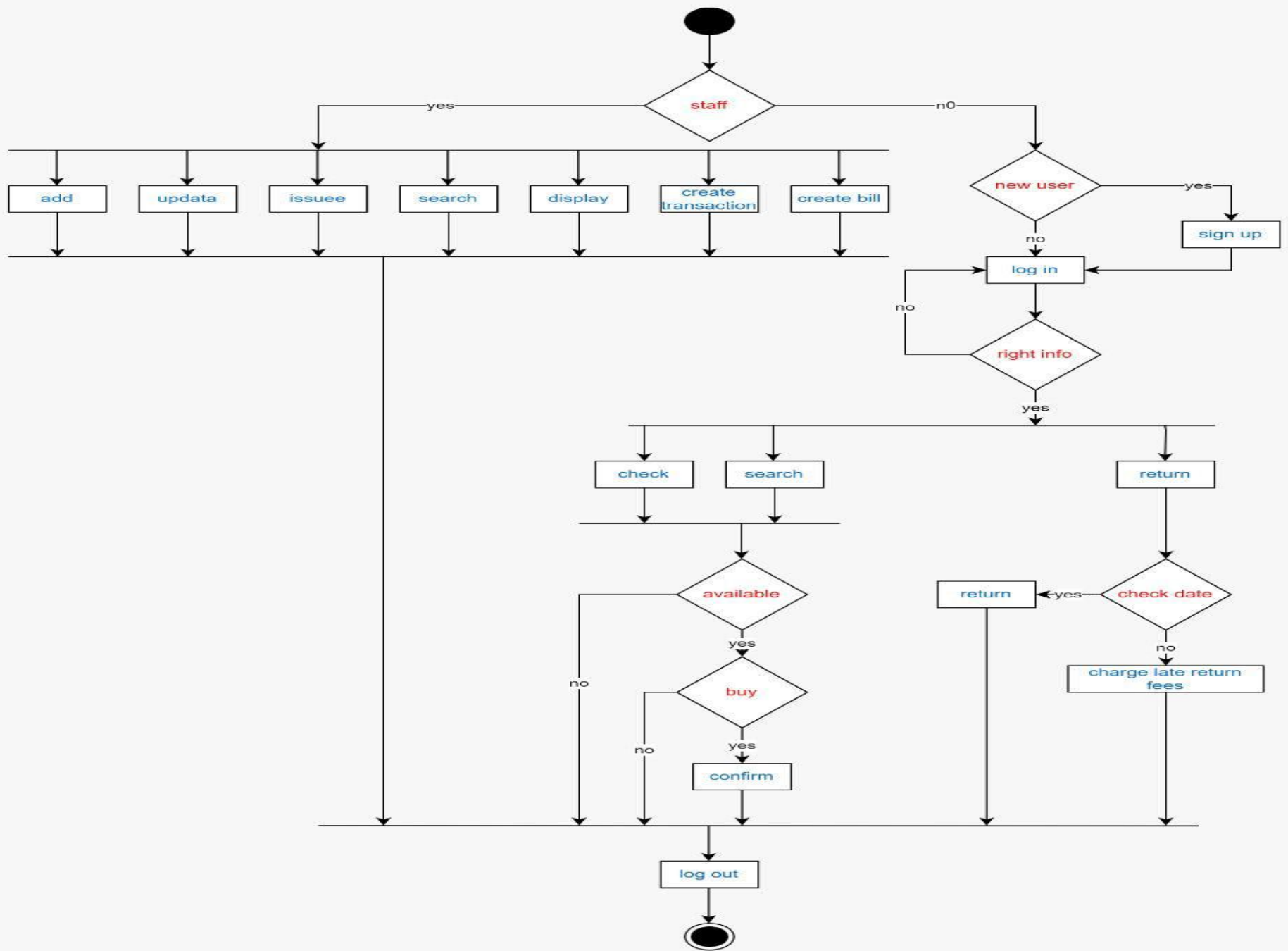
5-Sequence diagram

Made by Nawara Saber & Id : 200772



6-Activity diagram

Made by Yomna Saied & Id : 200813



7-Component diagram

-Made by Yomna Abdelgahfor & Id : 200814

