# Library Management

- Implement library management system for a commercial library. This software can be used by three types of users.
    - Owner
    - Librarian
    - User

- Owner
    - Owner owns library.
    - He is interested into tracking assets and revenue.
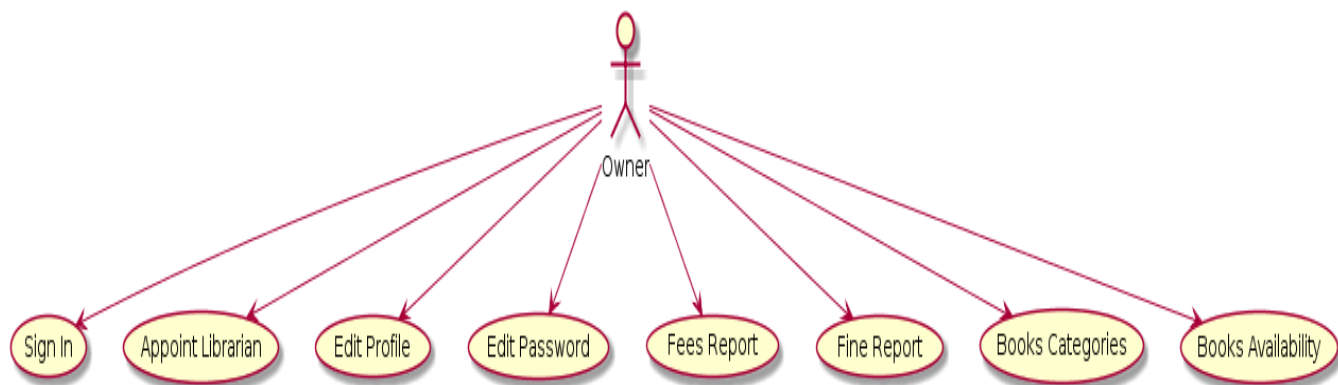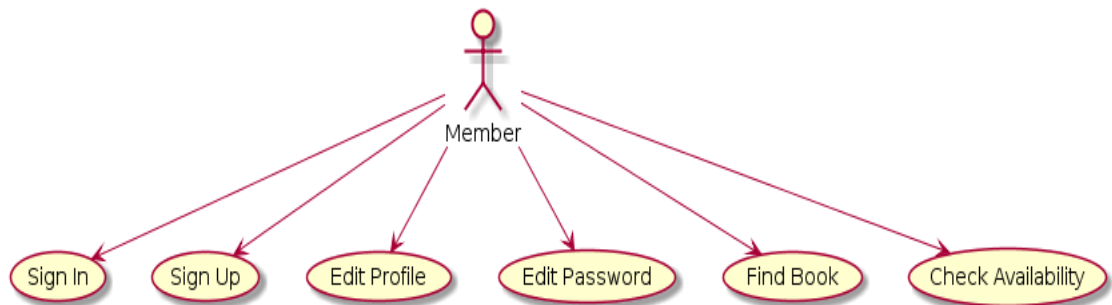

- Librarian
    - Owner appoints a librarian for library management.
   - He handles all tasks including data entry, book issue, Payment Collection etc.
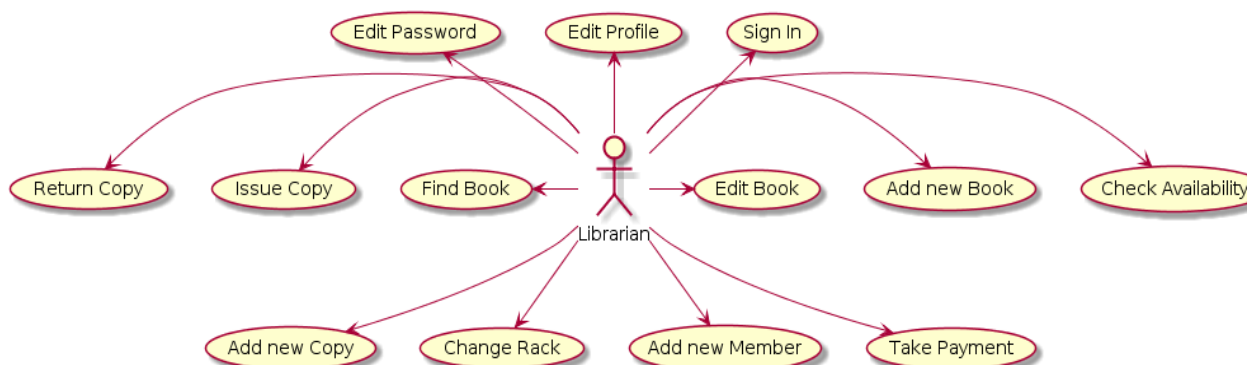
- Member
    - Members (reader) can find books and check availability.

- Importants points to note.
  - This is console based menu-driven application. Based on user login appropriate menu will be visible.
  - Each book can have multiple copies and organized into multiple racks.
  - Issue/return of individual copy is expected. For example, if "C Programming Language (by Ritchie)" have 10 copies, each copy can be issued and returned independently.
  - Book can be issued if only if user is paid user. Otherwise error message will be displayed. Payment of each user will be collected by Librarian on monthly basis.
  - Book is expected to return in 7 days. If delayed, fine of Rs. 5/- is applicable and should be taken by Librarian while returning book.

- Technologies & tools
  - Programming language: Python
  - Database: MySQL
  - IDE: Pycharm or Vscode or any other IDE

- Database design (ER Diagram)
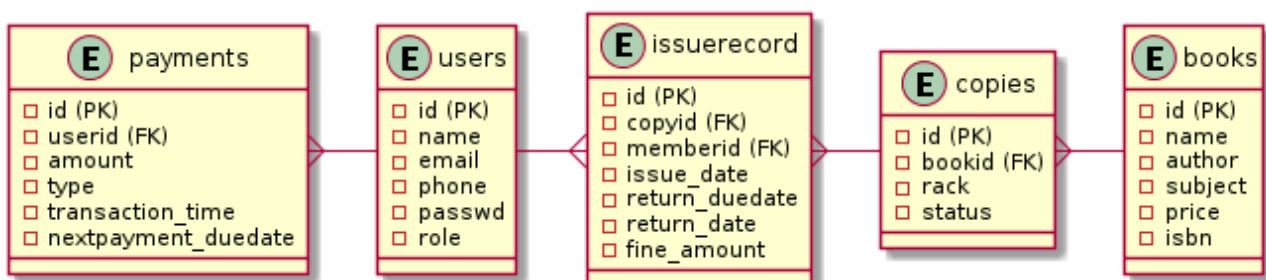
- UI design
  - Please refer attached screen shots (read file name for the reference).
  - Note that it is reference screen shot for functionality and output is expected to well-formatted.