**Library Management System**

**Users:**

1. Admin
2. Employee
3. client

**Common Functionality:**

1. User can Login
2. User can logout
3. User can recover password.
4. Client type user can sign up.

**Admin:**

1. Can Add, update, remove and view employee list.
2. Can add, update, remove and view client list.
3. Can add, update, remove and view Admin list.
4. Can view book list.
5. Can view book borrow list.
6. Can view book return list.
7. Can update self-profile.
8. Can update Self-password.

**Employee:**

1. Can borrow and return book on behalf of a client.
2. Can add, remove, update and view book list.
3. Can add, remove, update and view client list.
4. Can view book borrow list.
5. Can view book return list.
6. Can update self-profile.
7. Can update self-password.

**Client:**

1. Can borrow and return book.
2. Can view book list.
3. Can view self-book borrow list.
4. Can view self-book return list.
5. Can update-self password.
6. Can update-self profile.

**System Entities:**

1. User (userId, name, gender, age, email, phoneNo, address, role, securityAns, password)
2. Admin (Admin type)
3. Employee (designation, Salary)
4. Client (membershipType)
5. Book (bookId, name, category, authorName, isbn, noOfPage, price, available quantity, details)
6. BookBorrow(bookBorrowId, bookId, userId(client), borrowDate)
7. BookReturn(bookReturnId, bookId, userId(client), returnDate)