**System Module and User Interface**

1. **Library System Register Module**

In order to gain access in the system, user must register providing desired username, email, and password.

1. **Library System Log in Module**

The system is protected with username and password. The user must provide the registered username and password.

1. **Library System Book Management Module**

The user can encode/add and edit books providing the details needed such as ID, ISBN, Book Title, Authors, Book Serial No., Publisher, Copyright Year, etc.

1. **Library System Subject Encoding Module**

The user can add and edit subject and description.

1. **Library System Grade Encoding Module**

In this module the user can add and edit grade name.

1. **Library System Borrower Management Module**

The user can add and edit the profile of the borrower before borrowing books. Profile includes ID, Student ID, Full Name, Contact, Category, and Grade ID.

1. **Library System Borrowing and Returning of Books Management Module**

7.A This module displays the borrowed and returned books. The user can add a borrowed book by encoding the borrower’s name, book ID, date the books is borrowed, and the due date. The user can also edit the existing details of the borrowed book. Once the book is returned, the user must fill out the details needed.

7.B This section will automatically display returned books once the user filled out the details.