**Requirements**

1. Creating a class as ‘Library’ and a User Interface

2. Creating a class as ‘User’

3. Creating a class as ‘Book’

4. Creating a class as ‘UserList’

5. Creating a class as ‘BookList’

6. Adding a new user to the User List in the Library

7. Adding a new book to the Book List in the Library

8. User checks-in a book from the Library

9. User returns a book to the Library

10. User holds a book

11. Searching for a book

12. Deleting a book from the Book List

13. Removing a hold on a book

14. Renewing a book

15. Printing user’s transactions