

## 1. Use Cases Diagram

### **Use Case(Issue Book):**

- a. Preconditions: The user should be logged in before using this function and then he should arrive at 'Issue Book' option
- b. Postconditions: The book is issued to the user and it is marked as 'not Available' in the database.
- c. Description: In this a book is requested by the user and if the desired book is available it is reserved for the user to issue.
- d. Basic Flow:
  - i. The book is issued to the user and it is marked as 'not Available' in the database.
  - ii. The date of issue is marked to keep track of the amount of days left till the date of return.
- e. Alternate Flow:
  - i. If the book is marked as 'not available' in the database then the user will not be issued the book and redirected to the search book page.
  - ii. If the user is not qualified to take the book then he is not issued the book and redirected to the search book page