

Homework 02

From a set of requirements and the roles below, draw the use case diagram.

Requirements:

- User shall be able to **borrow books** from the library system
- User is allowed to **borrow at most three books** only (i.e. the books have to be returned before his/her new borrowing)
- User shall be able to **search for a book** by the book's ID, title, and by author's name.
- Admin shall be able to **insert books** into the database.
- Admin shall be able to **remove books** from the database.
- User's request shall be inserted in the **waiting list** when the book they are requesting for is not available.
- User should be able to **view their book borrowing history records.**
- The system should send an email to users to remind them about the due date for returning the books when the due date is approaching.
- The system should be able to send an email to a user's personal email (such as Gmail, Yahoo, etc.)
- User should be able to send an email to the library system using his/her personal email.
- Member should be able to renew his/her membership by **paying the library member fee.**
- Member should be able to pay for his/her yearly membership fee using a visa card.
- The system shall remove a user when the user's membership is expired.
- Admin shall be able to **remove users.**

Roles:

- Teacher, Student and Member are User.

Deadline: 2nd November, 11:59 PM. Please go to Edmodo > View Assignment > Turn in Assignment.