# Project Proposal

**Project: Library management system**

**Submitted to: Ms. Rameen Rana**

**Submitted by:**

**Huzaifa Hussnain \_ L164345**

**Mirsub Fazlani \_ l164382**

**Hammad Ikhlaq \_ L164281**

Library management system

**Project Overview**:

A university library management system that will maintain a record of books according to subject and type (Fiction/Non-fiction) and keep record of which books a library member has borrowed and whether they have exceeded the allocated borrow time. Restrictions will be applied on how many books and what books a library member can borrow based on their seniority (Bachelors/Masters/PHD) and privileges will be set accordingly.

Members will also be able to see if a book they want is currently available and queue the book so they get can be the first to get it when it becomes available again.

A catalogue system will be used which each book given a custom alpha-numeric code.

**Functionalities:**

1. Members can log in and check what books they have borrowed.
2. Members can check due dates of all their books.
3. Members can search by title, author, ISBN number.
4. Members can borrow books based on availability and privileges.
5. Notify members if a book they’ve borrowed is passed its due date.
6. Members will be divided into different ranks and will be allowed to borrow books for certain time period according to their rank.
7. Once a certain time period has elapsed and book is not returned, library member cannot borrow another book till previous book is returned.
8. Once the number of copies of a particular book is 0, the book becomes unavailable to borrow.
9. Members can ‘queue’ a book and become notified when it becomes available.
10. Library administrators can login and add/remove a book from the library’s catalogue.
11. Admin can ban a member for certain period of time because of misconduct.
12. Members can place a request for a new book that is not present in library and then library can bring that book.
13. Members could leave suggestions and complaints.