

## PROJECT PROPOSAL

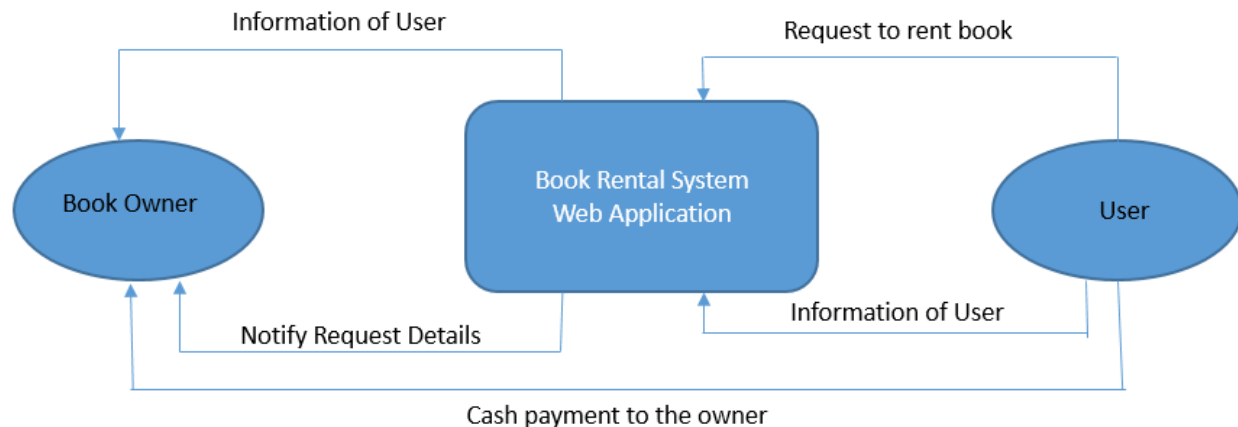
Online book rental system is a web application which allows user to rent used books from the owner. This application will have the books for every category. This system will work as a mediator between the users and the book renters.

### Problem Diagnosis

- From currently available information there are few e-commerce websites which provides the book rentals like- Amazon. E-commerce websites take longer time for the delivery of the book to the user.
- They charge shipping costs plus the tax. Which technically increases the complete price of the book.
- Our system will majorly focus on the cost cutting and time consuming methodology.

### Problem Solution:

- Our web application will primarily enable the users to pick up books from the book owners and pay the book owners directly. Thus eliminating the need for shipping and no need of any payment system.
- The existence of the profile means the reputation of each user will be accounted for. The users and the book owners will have to provide their reviews after the transaction is done. Reviews will be mandatory to ensure quality of service. Users and book owners can read the reviews before doing a transaction with each other.
- Book rental system will have the book owner's and users detailed profile.
- This software will provide the points earning and redeem system to the user.
- User will earn points if he/she returns the book before the due date and can redeem those points as discounts when renting books in future with the same owner.
- Delivery of the book will be quick and without any hassle.
- Our system will be renting book for the cheaper price i.e. for the price the owners list it for. Payment will be made by the user in form of cash while receiving the book.



Functionalities needed for the book owner:

- Add book
- Search book
- Delete book
- Update the book status
- Place book on hold
- Provide feedback to the user on the return of book

Functionalities needed for User:

- View the books borrowed
- View account information
- Update account information
- Search books
- Check the flag status on profile
- Provide feedback on return of the book
- Provide the history of the books rented by the user

**SWOT analysis of book rental system:**



**Plan of work:**

- Python programming language is used for building this software
- Requirement of following external sources:
  - ◆ Web server and a system to host the webserver
  - ◆ MySQL Database
- Our team size is adequate to tackle the problem as we are able to understand the problem in the current system and will concentrate on future specifications. We are focused for our work and will be solving the problems diligently during developing the software.
- Software test plan required for this software:
  - Verify user profile
  - Functional testing- Testing all functional requirements
  - System testing