

# **Online Book Store Web Application**

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of  
Master of Science in Management Information System.

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**DAFFODIL INTERNATIONAL UNIVERSITY**

**DHAKA, BANGLADESH**

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## APPROVAL

This Project titled “**Online Book Store Web Application**”, submitted by Mohammad Morshedul Alam, ID No: 211-17-455 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of MIS. In Management Information System and approved as to its style and contents. The presentation has been held on 20-01-2022.

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## DECLARATION

We hereby declare that this project has been done by us under the supervision of **Mr. Abdus Sattar, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree or diploma.

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Finally, I must acknowledge with due respect the constant support and patients of my parents.

## **ABSTRACT**

Books are the most valuable things in our life. For gathering knowledge, there has no alternative to books. Some people read many books but would rather not know how much they cost over time. On the other hand, some people want to read the book but don't know which book will be helpful for them. Again some people want to buy or borrow old books as they can't effort new ones. They don't have a network to communicate with each other. Sharing books between each other is the most usual in case of sharing knowledge At times sharing books manually may be monotonous and not very beneficial. The project gives attention on providing an electronic medium to share books & provide readers with an appropriate platform for discussing books.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

Online Book Store is the virtual books store for book loving person. Book is the store of knowledge. The world of books is as huge as the universe. There are many kinds books on various topics. Many books give us an insight into life. These books have needed in our daily life. Each and every year most of the students becomes busy with finding their textbooks that they want to buy books at the dawn of new semesters.

We know that the prices of textbooks are very much expensive, most of them choose to borrow or buy used books from libraries, classmates, friends most of the time. By reason of the low capacity of libraries, majority of the time we are put in a long column, which might take us a long time to wait for the book & also, it's not an easy task to buy a used book just by our connections. Now our idea is to provide a Book Sharing System that will greatly help students to get used books easily & cheaply. By using our newly evolved system, people can get books they're looking for & share their resources with others also. The reason for choosing the genre of textbook over the novel & fictional books was because of the factor of necessity a textbook brings with it compared to that of another genre.

## 1.2 Related Works

At the beginning of our project we have researched some projects like ours but not the same. These projects are:

**Rokomari:** It is books sell website by which users sell any book easily. Any Seller can sell their books through this website.



Fig1.1: Screenshot of Rokomari Website

**Boi Bazar:** This website is worked on buying and selling books. If anyone wants to buy a book they can visit this website and order the book from a seller.

### Disadvantage:

- 1.2.1.1 Difficult to use
- 1.2.1.2 No facilities to share books
- 1.2.1.3 No facilities to chat with anyone

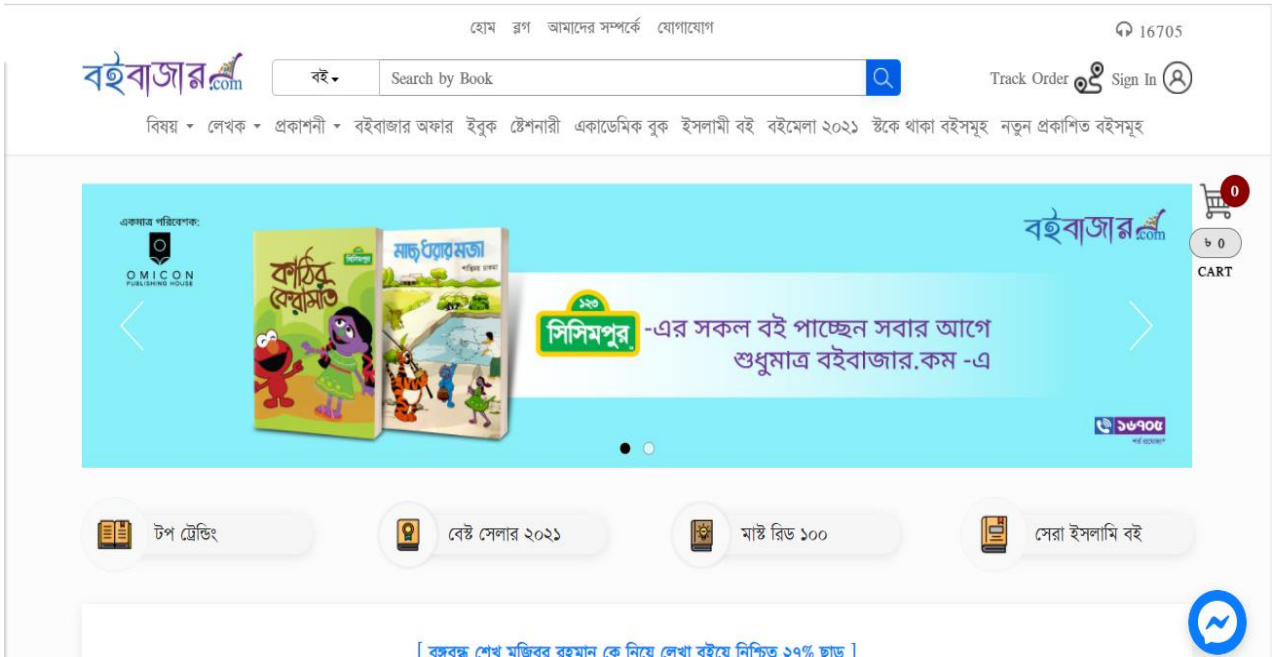


Fig1.2: Screenshot of Boi Bazar Web Site

**Bognor:** This is a website for buying and selling different curriculum books and different medical equipment.

**Disadvantage:**

- 1.2.3.1.1 Share system is not available
- 1.2.3.1.2 Rent, sell system is not available

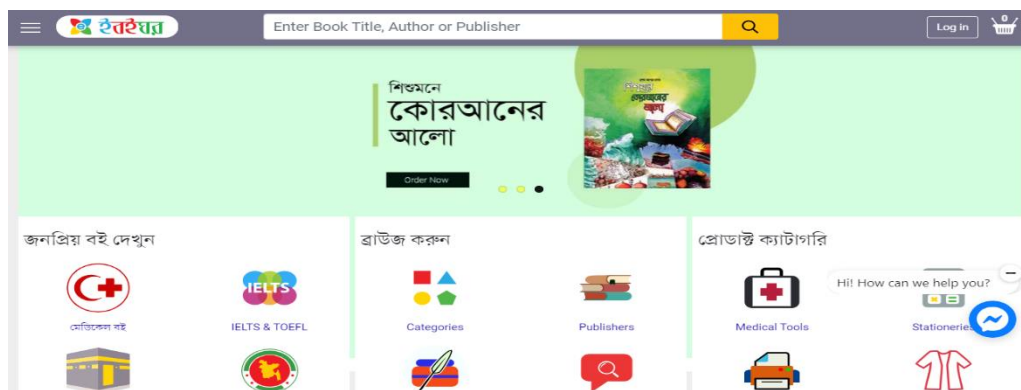


Fig 1.3: Screenshot of E-Boighor app

**Boi Khata:** Boikhata is the best-personalized reading experience and connects with readers experience and connects with readers everywhere to share any ones love for a book. It connects with any book community. It shares anyone's book review.

**Disadvantage:**

- 1.2.4 No facilities to chat with anyone.
- 1.2.5 Difficult to use
- 1.2.6 NO form to record book share history
- 1.2.7 User-friendliness

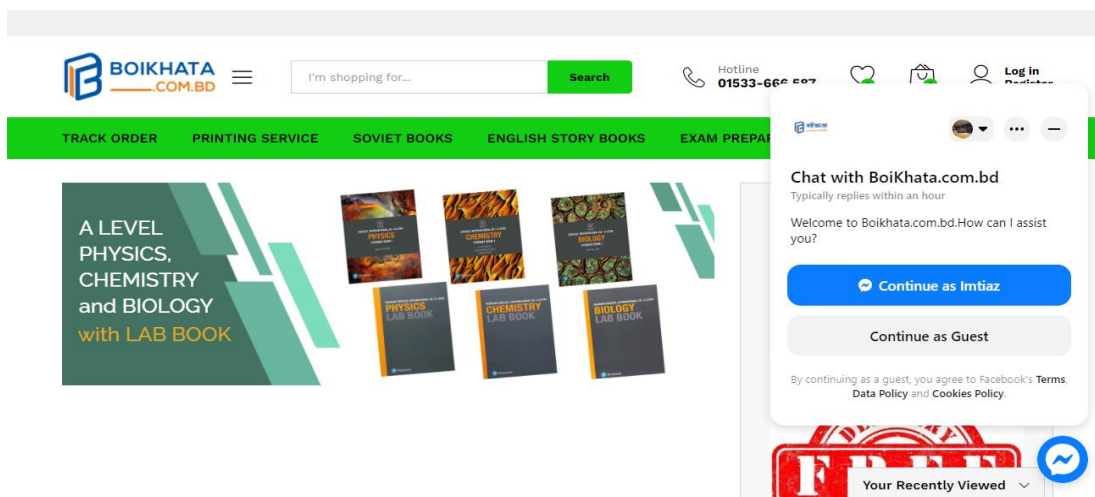


Fig1.4: Screenshot of Boi Khata website

**Bookclubs:** It helps book clubs get organized so stay together everyone. Its main purpose is to bring people together through the exchange of ideas. By using it everyone shares their ideas by posting as like as Facebook.

**Disadvantage:**

- 1.2.7.1 Difficult to use
- 1.2.7.2 Share system is not available
- 1.2.7.3 Rent & sell system is not available
- 1.2.7.4 Not user friendly
- 1.2.7.5 No facilities to save information

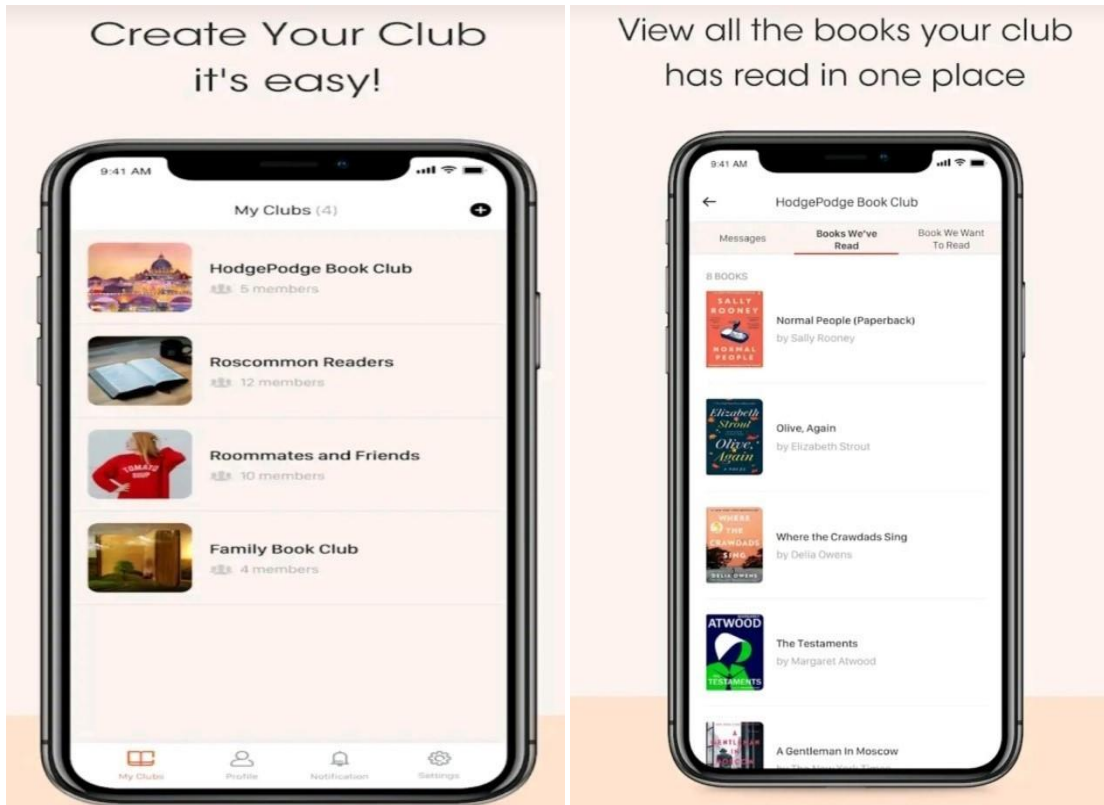


Fig1.5: Screenshot of book clubs

### 1.3 Motivation

- People can't find all the needed books on one platform.
- There are no user-friendly system for sharing, sell & renting books. Which makes the system difficult.
- Bookseller or renter has no ways to reach their books to those who are looking for books.
- Manual system for buy, sell & rent's book takes a really long time
- The seller has to maintain a manual process for keeping records of sell & rent history. This is not safe all of the time
- Making communication between book lovers into a single platform is unavailable.

## **1.4 Problem Statement**

Nearly each & every activity in the world today is controlled by computer-driven software programs. This type initial was first accommodated by engineering applications in the earlier. As the lifestyle is becoming more & more complex, each & every area of human interactions were invaded by various software systems, like as real-time, business, simulation, embedded, web-based, personal, & more recently, artificial intelligence software, etc. According to the facts given in the above, managing & maintaining sharing and selling books can be controlled by the efficient application. This kind of project focuses attention on designing efficient & reliable software.

## **1.5 Aims and Objectives**

- To make a bridge among book lovers, booksellers.
- To provide the easiest platform for book share, collect book, Exchange or sell the book with each other conveniently.
- To maintain sell & rent history by keeping records. This procedure of sharing a book rescue some time.
- It's not necessary to go the library to for search a book, rather the area able to search for the required book by this app & buy or borrow this book easily.
- Every student, teacher & all kind of people can open their account easily in this app and they can operate their business policy.
- To build up a shop is so must costly. Someone who wants to start a business can operate their book business by using this efficient app. it is so worst that students buy books by so much price but they cannot sell it after using one time,
- Using this app they easily can sell their used book.

## CHAPTER 2

### LITERATURE REVIEW

Many online books sell application systems exist now. But none of them are user-friendly & none of them are facilitated to everyone. Before creating this application we research a lot about the existing application which is related to this project. In this existing project, we see a shortage of features, shortage of user-friendly. This app is online book store which is a virtual store on the Internet the place where customers are able to browse the catalog & select books of interest. Selected books could be collected in a shopping cart. At the time of checkout, the items in the shopping cart can be presented as an order.

**Table 2.1: Comparison between the existing app and online book store app**

<b>BASIS OF COMPARISON</b>	<b>Existing application</b>	<b>Online Book Store</b>
<b>Main work</b>	All existing application performs specific tasks depends on how it's designed. It can't perform any other task that is beyond its extent.	Online Book Store is used t is used to sell, rent books
<b>Made Up Of</b>	Consists of a variety of programs that support the operation of the computer.	Consists of a diversity of programs which support the operation of the computer.
<b>Operation</b>	It runs following user requests. It runs in the foreground.	It is programmed & starts running as soon as the system when it's turned on. It runs all the time until the system is shut down.
<b>Inauguration</b>	It is inaugurated only when the user may need them.	It is inaugurated on the device at the time when the OS is installed.
<b>Requirement</b>	It is not compulsory to have application software installed or running on any system.	A Hardware system needs at the minimum one system software for the performance for its action.

<b>Users</b>	Users interact with application software while using specific applications.	Users do not interact with the system software as functions in background.
<b>Programming Language</b>	Application software is written by using high-level languages, like as PHP, C++, VB, net, etc.	System software is written by using PHP & MySQL.
<b>Access</b>	Application software has bounded access to disks, memory, etc.	The system software has unlimited and continuous access to memory.

**Table 2.2: features Comparison of the Existing Apps**

<b>Existing Web Apps</b>	<b>Any Message from any friends</b>	<b>Make friends as like as a social media</b>
Category wise search	Yes	No
Send message	Yes	No
Make friend	No	No

## 2.1 Practicability Study:

**Operational Practicability:** By mechanized the book shop both the customers & also employees will feel better than when it was manual before. Users will get quick service by decreasing the manual recordings. Employees will feel comfortable with the reduction of their work. Recording errors will be decreased.

**High-Tech Practicability:** For the design & development of the system, multiple software products are accommodated. · Database design – MySql, or other supported language. This software has enough efficiency in producing the system. Therefore the project is technically practicable.

**Economic Practicability:** According to the resources that are available & the project scheduling process it is estimated that the expenses allocated for the software that can be developed, by the customer are sufficient enough.



# CHAPTER 3

## SYSTEM DESIGN

### 3.1 System Design

Systems design refers to the process of defining the architecture, components, modules, interfaces, & data for a system to satisfy specified requirements. Systems design can be seen as the application of systems theory to build development. There is some overlap with the disciplines of systems analysis, systems architecture, & systems engineering.

#### 3.1.1 Proposed System

We found a web application named "Online book store". A web application of an online book store that's the project is to create an online book share platform which allows users to search & purchase a book online based on title, author, & subject. The selected books are displayed in a tabular format and the user can order their books online. Using this application the user can purchase a book online instead of going out to a book store and wasting time. This application will be useful for bookworm people. They can share their books by making a post. Besides, other people can rent a book or purchase a book. People can upload their rent history and sell history. Bookworm people can make conversation among them. There are multiple online book stores such as Powell's, Amazon that are designed using Html. The online book store is an online web application where the customer are able to purchase books online. Through a web browser the customers can explore for a book by its title or author, later can add it to the shopping cart, & finally purchase using credit card transaction. The user can log in using his account details. They should give the details of their name, contact number, and shipping address. The user is capable to give feedback to a book by giving ratings on a score of five. The books are divided into many categories based on a subject like Software, Database, English, Architecture, etc. The Online Book Store Website provides customers with online shopping by a web browser. Customer can create, sign in to his account, place items into a shopping cart & purchase by using his credit card details. The Administrator will have additional functionalities.

### 3.1.2 Activity Diagram

Activity diagrams refers to graphical representations of workflows of stepwise activities & also actions with support for choice, iteration & concurrency.

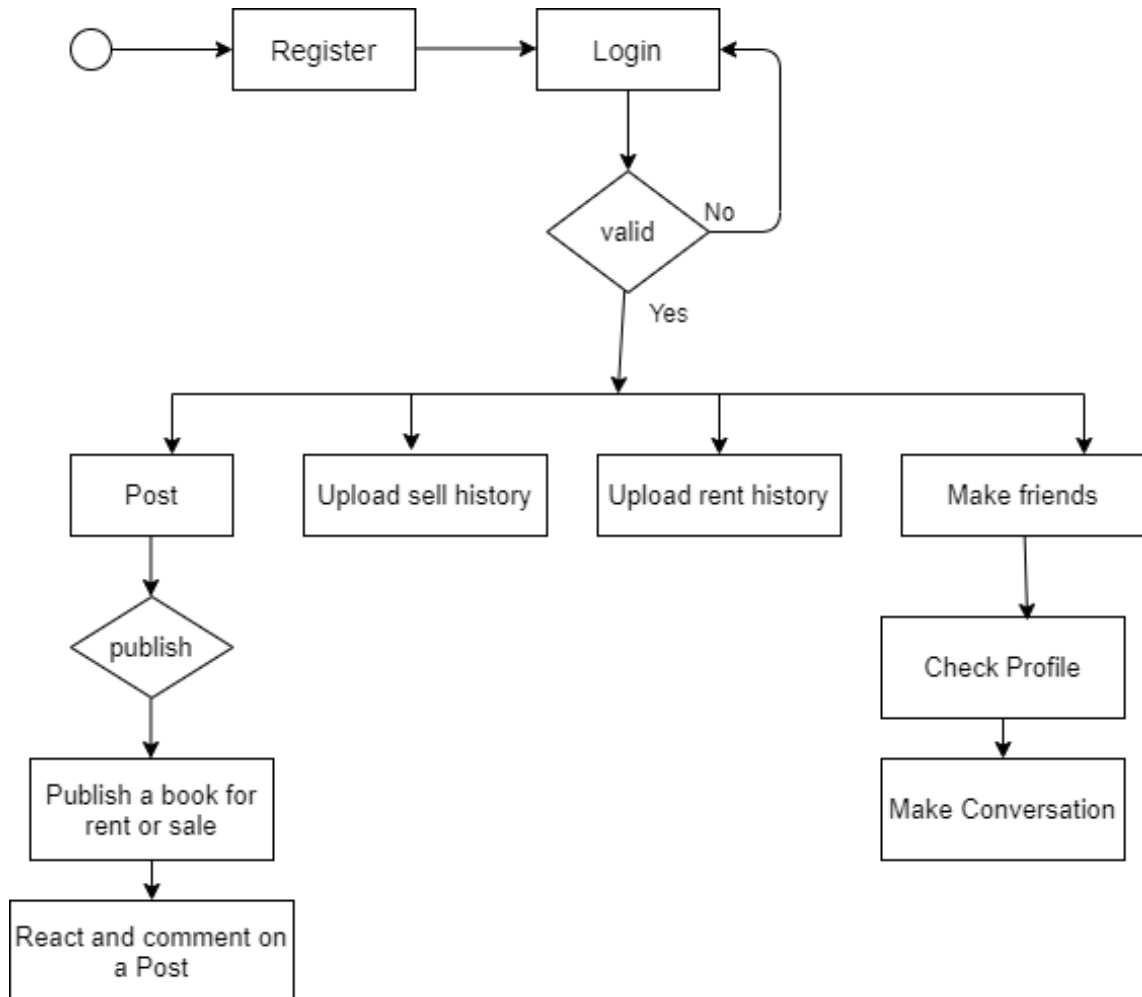


Fig 3.1: Activity Diagram

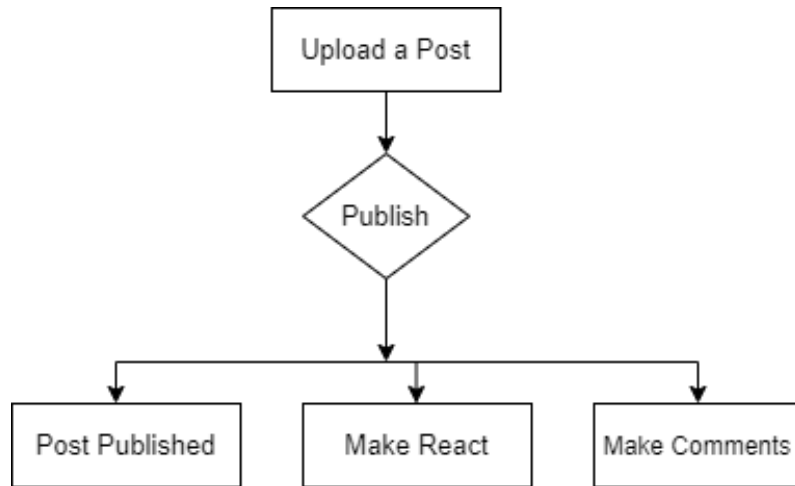


Fig3.2: Flowchart of post

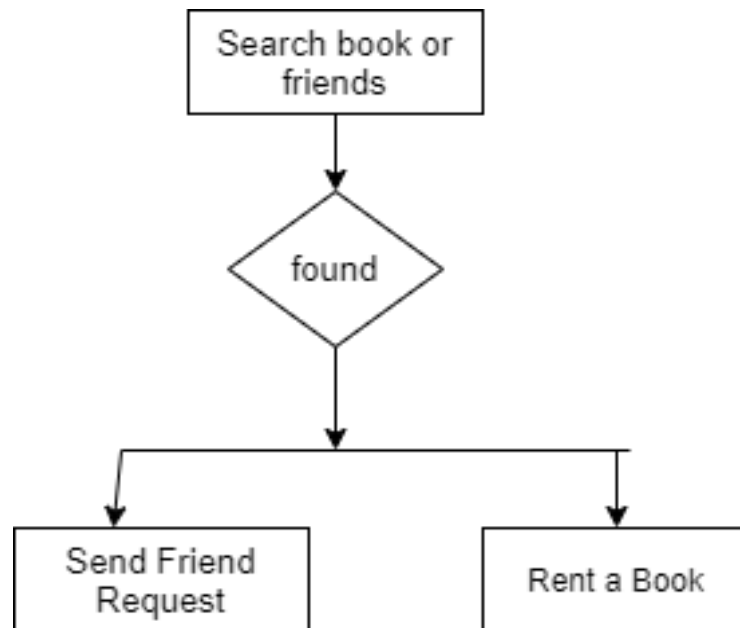


Fig3.3: Flowchart of search

### 3.1.3 Use Case Diagram

A use case diagram refers to a graphical depiction of a user's possible interactions with a system. Use case diagram shows multiple use cases & also different types of users the system has & will often be accompanied by other types of diagrams also.

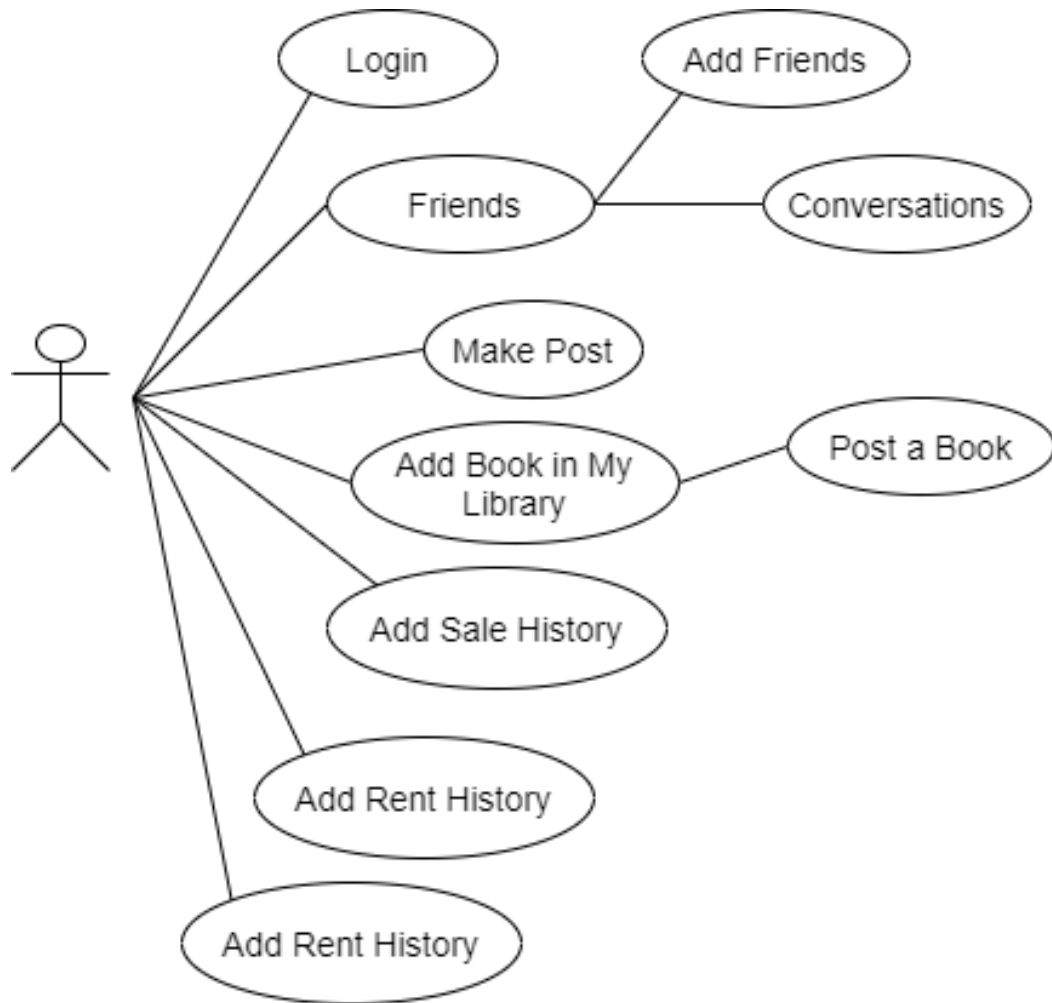


Fig 3.4: Use case Diagram

### 3.14 Data-flow Diagram

A data-flow diagram refers to a way of representing a flow of data by a process. The DFD provides information about the outputs & inputs of each entity & the process itself.

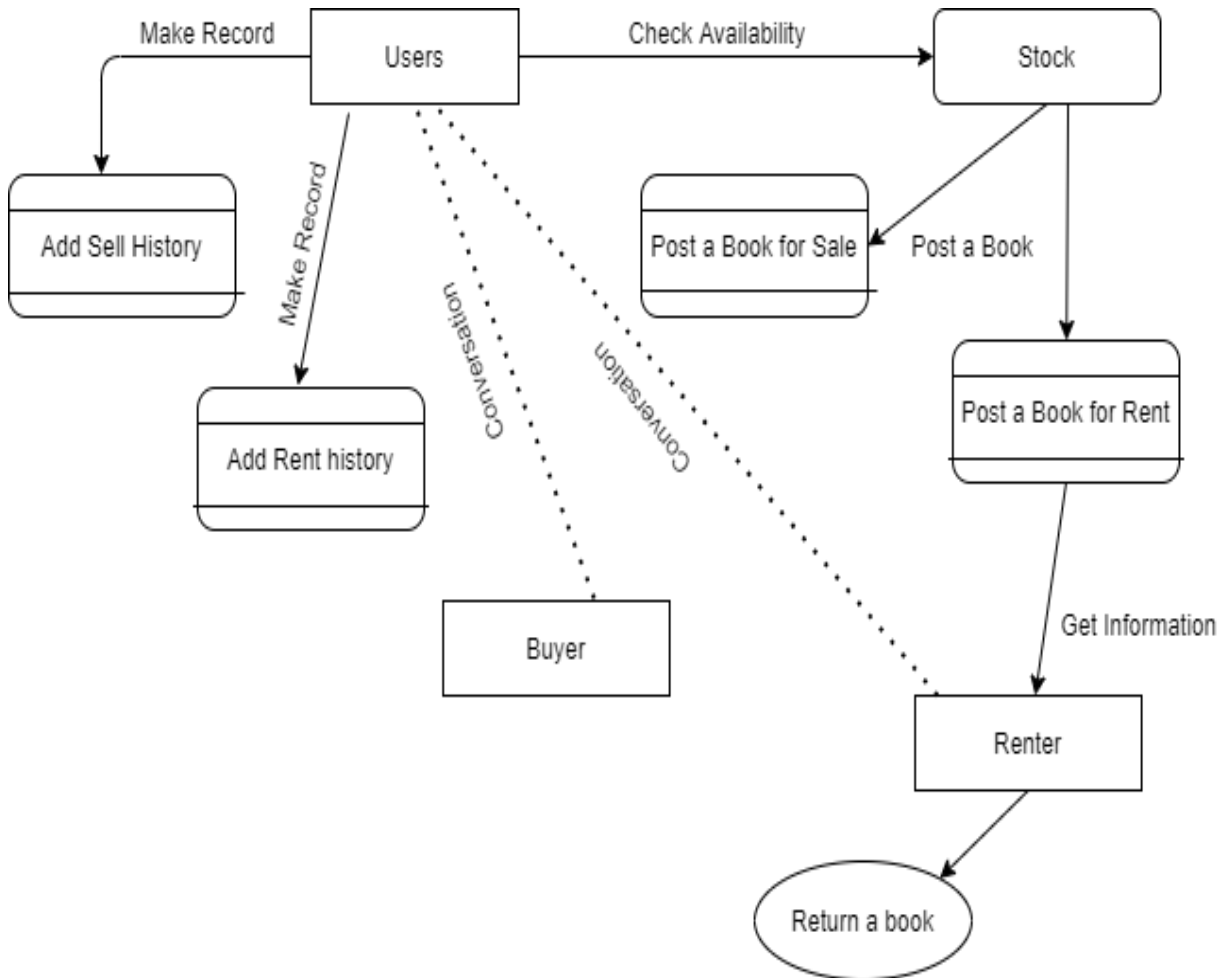


Fig 3.5: Data-flow Diagram

### 3.15 ER Diagram

ER diagram is the entity-relationship diagram. In this diagram, tables are represented by a rectangle. Attributes are represented by the column names.

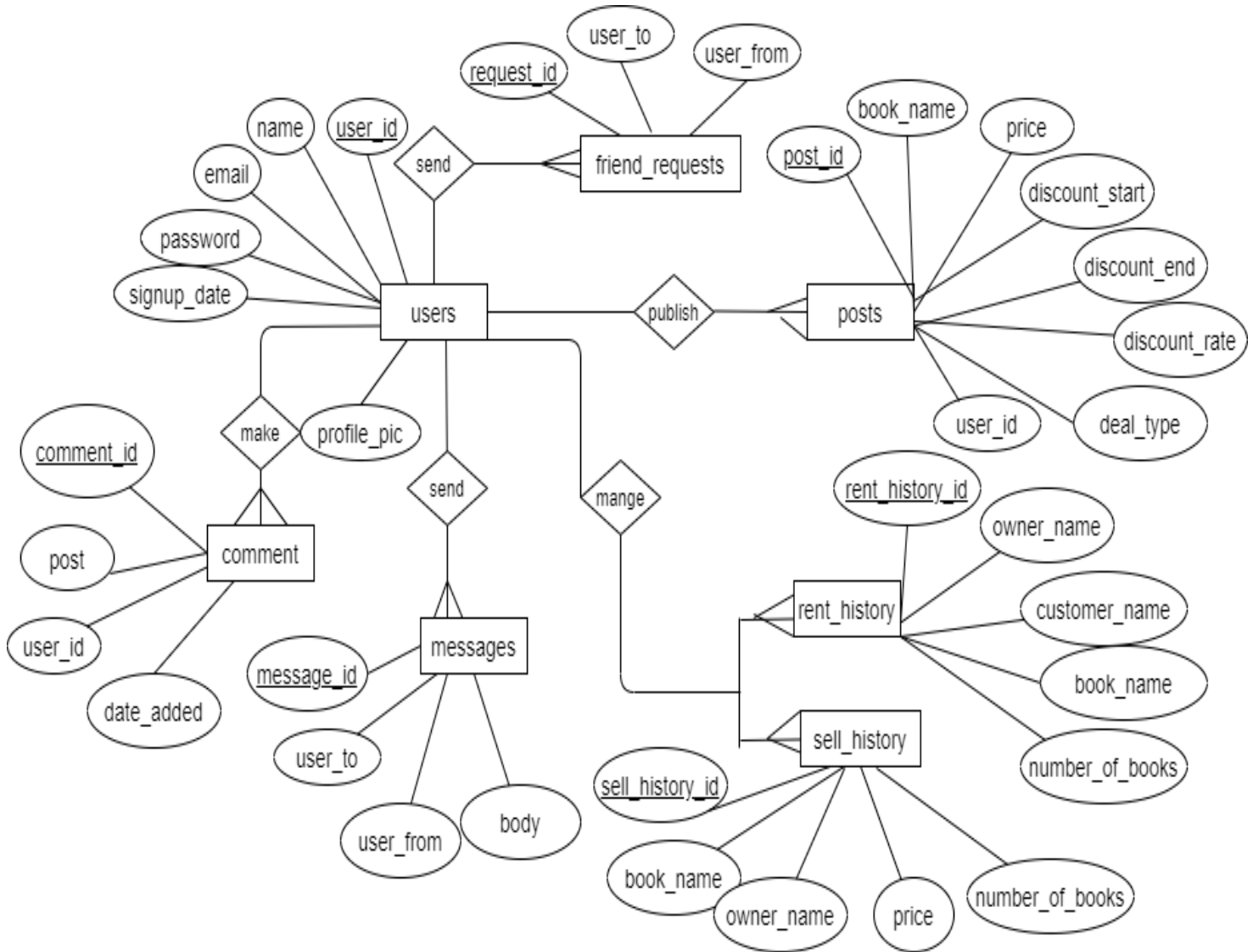


Fig 3.6: ER Diagram

## CHAPTER 4

### SYSTEM IMPLEMENTATION & OUTPUTS

#### System Implementation & Outputs

In this chapter, we will mention the details about the implementation of the proposed system and the outputs found after the implementation. The details are as follows:

#### Implementation tools

- Sublime texts
- XAMPP
- MYSQL
- PHP
- HTML
- CSS
- BOOTSTRAP

#### 4.1 Sublime Text:

Sublime text is the commercial source code editor for website evolution. It is available for download on Windows, Mac OS & Linux-based operating systems. It natively supports many programming languages.

#### 4.2 PHP:

Hypertext Pre Processor is an object-oriented programming language that is used for developing websites. Hurdles to development include that Web does not use established PHP standards, that is, PHP SE & ME. This prevents compatibility between PHP applications written for those platforms & those written for the Web platform. Web reuses the PHP language syntax and semantics, but it does not provide the full class libraries and APIs bundled with PHP SE or ME.

### 4.3 MySQL:

MySQL developed from Involvement, a prior startup founded by James Templin & Andrew Lee in 2011. Involvement provided developers with an API that can enable the integration of online chat functionality into their websites. After releasing the chat service, Templin & Lee found that it was being used to pass application data that were not chat messages.

### Software & hardware requirement specification

#### 4.3 The software requires entities:

Software	Web Studio
Operating system	Windows, Linux
Language	PHP
Database	MySQL
Browser	Mozilla Firefox, Chrome
Webserver	XAMPP

#### 4.4 Hardware requirements:

Processor	Corey
Ram	4G
Hard disk	500GB

Now we discuss our project Features & show our design:

#### 4.5 Features

- Registration & login
- Profile
- Search book
- Description of book
- Sell, rent books
- Search friend
- Add with friends by sending & receiving a friend request
- Chat with friends
- Post for sell, rent
- Make a discount offer for a specific book
- Like & comment
- Record of rent, sell history
- Self-library for store book



**4.6 Registration & Login:** Users can register their id by using Email, password, name & address. After registration users can log in to their id in any browser from any corner of the world. This is the 1st feature of our project.



Fig4.1: Registration page



Fig4.2: login page

**4.7 Profile:** After registration, users can build their profile using the name, address & profile picture. In profile, user can save their personal information.

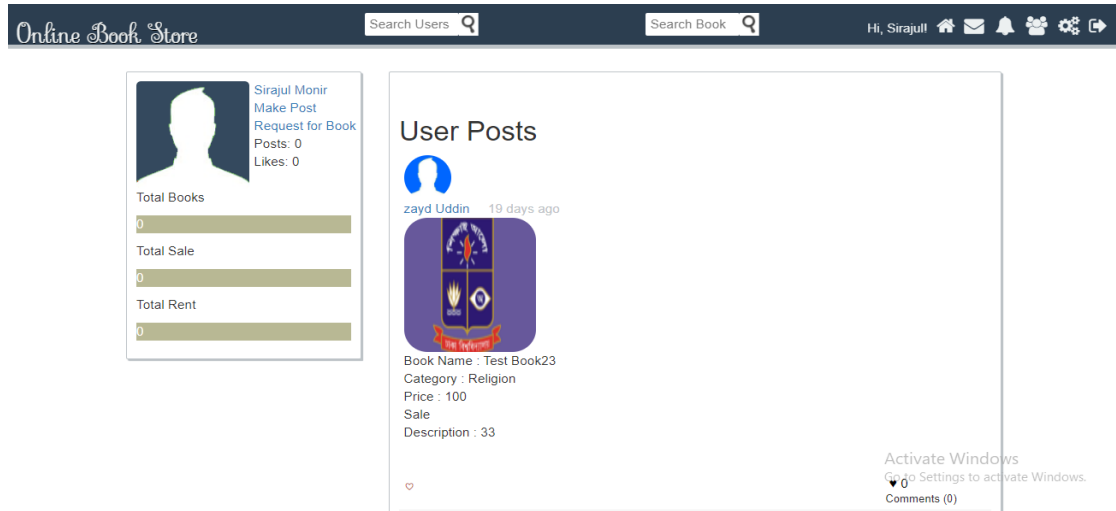


Fig4.3: User profile

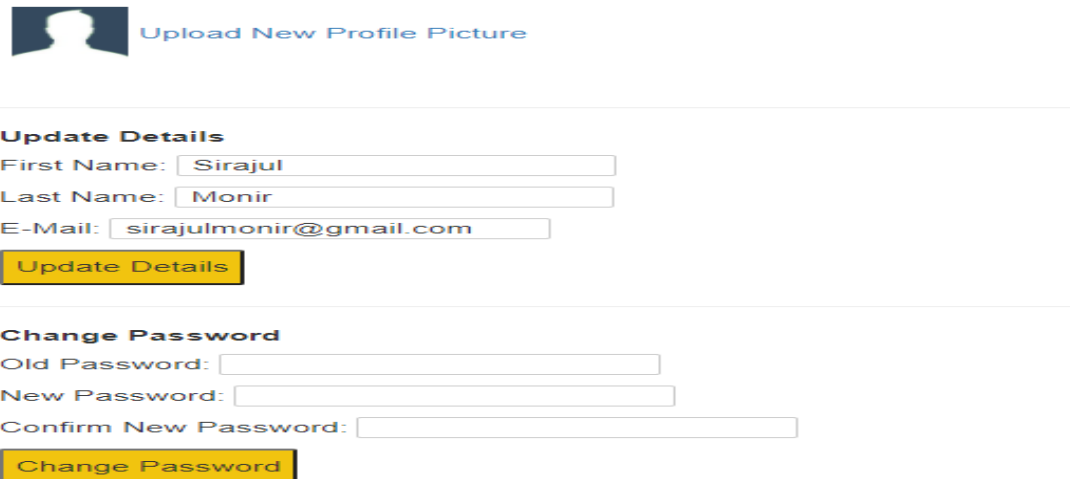


Fig4.4: User profile

**4.8 Search Friends:** Using this feature users can search for their desired friend. After a search, the user can see friend details. And send friend Requests.

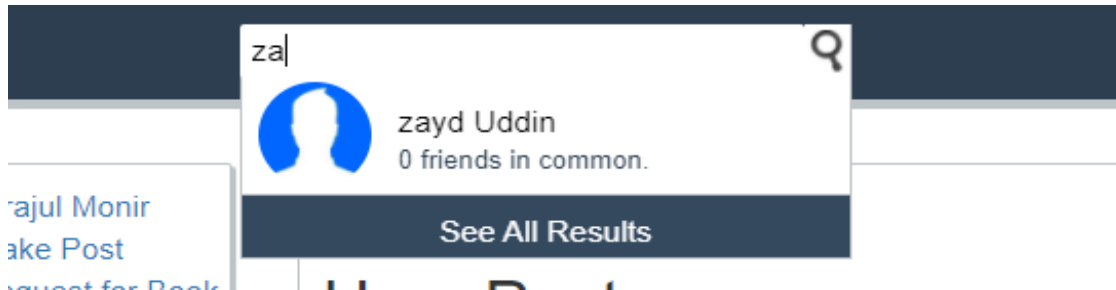


Fig4.5: Search Friend

**4.9 Friend Request:**The user can accept or reject any friend requests.

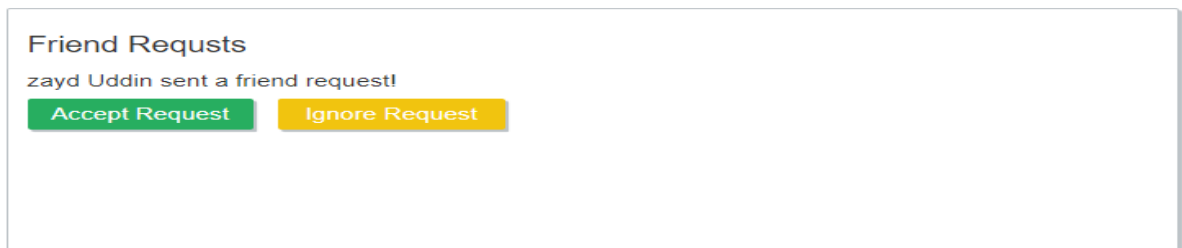


Fig4.6: Screenshot of Friend Requests

**4.10 Make Posts:**The user can post any book for sale or rent.

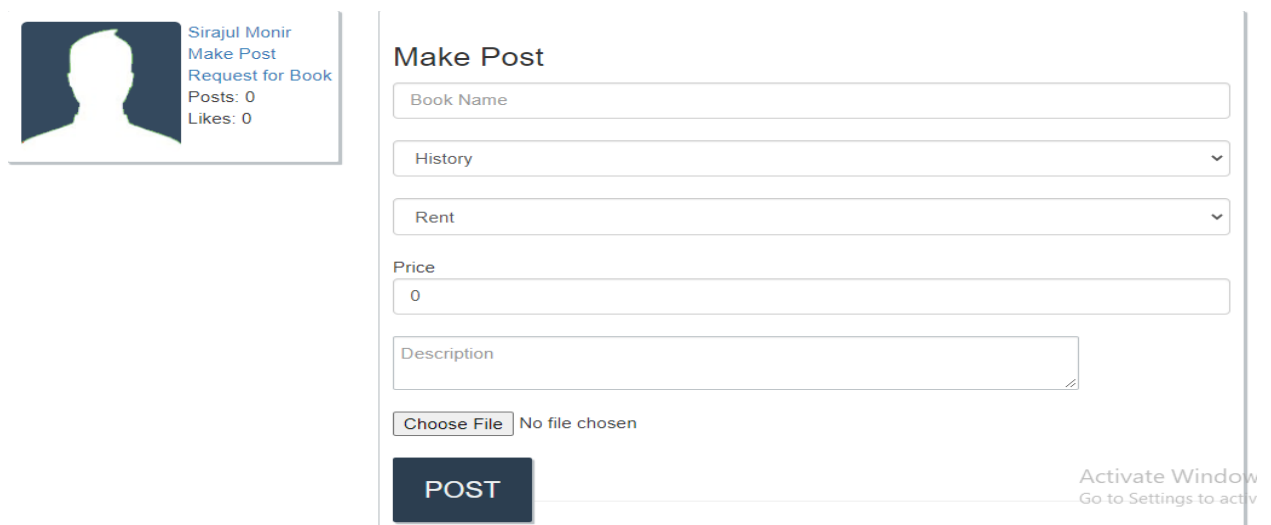



Fig4.7: make a post

**4.11 Book Library:** Using this system users can sell rent or exchange their books. For exchange, sell & rent books users can contact with book owner or chat with the book owner.


## My Library

Image	Book Name	Category	Number of Books	Description	Date	Update Status
	Revolution of Peace	Religion	10	Revolution of Islam	2021-08-21 23:14:21	Post Activate M Go to Setting

**Fig4.8:** User can manage personal library

**4.12 Publish a Book:** The user can publish a book from the library with a discount offer.

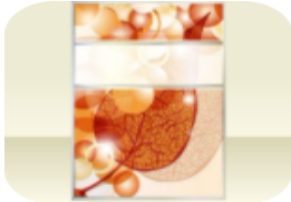
### User Posts



Sirajul Monir

51 seconds ago

Unpublish



Book Name : Revolution of Peace

Category : Religion

Price : 150

Rent

Description : Revolution of Islam

A  
G

**Fig4.9:** Publish a book

The image shows a user profile for Sirajul Monir with 2 posts and 0 likes. To the right is a form for publishing a book with a discount. The form fields are: Book Name (Revolution of Peace), Price (0), Discount (not required) (0), Start Discount Date (not required) (mm/dd/yyyy), End Discount Date (not required) (mm/dd/yyyy), and Deal type (Rent). A POST button is at the bottom left of the form. A watermark 'Activate Windows Go to Settings to activate Windows' is visible in the bottom right corner.

Fig4.10: Publish Book with Discount

**4.13 Add with friends by sending receiving friend requests:** Add with friends by sending receiving friend requests. After having friend user can chat with each other and see each profile.

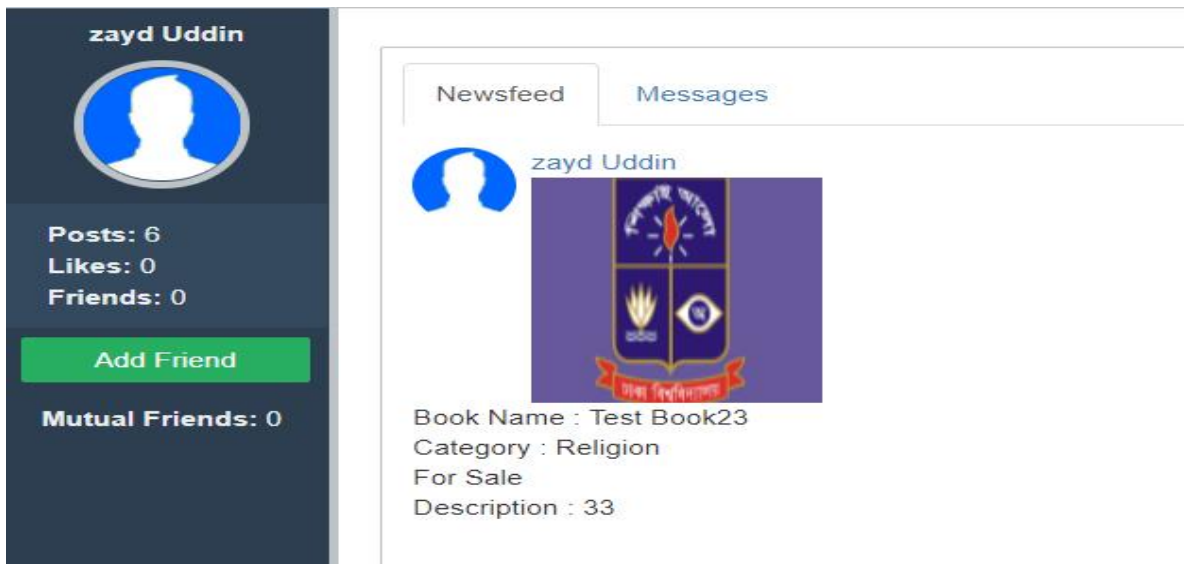


Fig4.11: Add with a friend by sending a friend request

**4.14 Chat with Friends:** After having, friend users can chat with each other to buy, sell or rent a book.

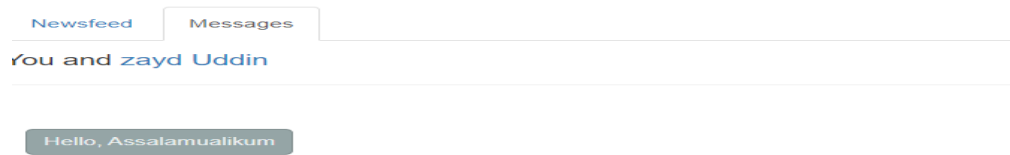


Fig4.12: Chat with friends

**4.15 Comment on a post:** After posting a post users can like or comment on a post.

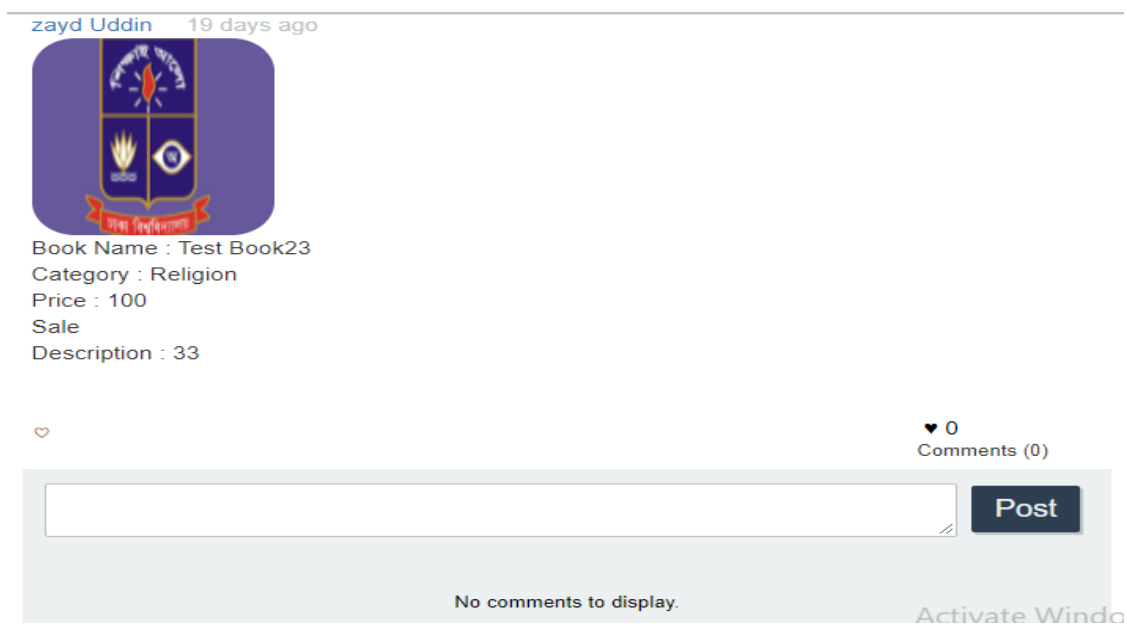


Fig4.13: Like & Comment on a Post

**4.16 Record of rent sell history:** User can record their sell, rent, or exchange history by using these features.

Sirajul Monir  
Posts: 2  
Likes: 0

Total Books  
10

Sold Books  
0

### Add to Sale History

Book name  
Select a Book

Price  
0

Number of Books  
0

Description  
Description

Add

Activate Window  
Go to Settings to act

Fig4.14: Record of sell history

**4.17 Record of Rent History:**

Sirajul Monir  
Posts: 2  
Likes: 0

Total Books  
0

Total Rent  
0

### Add to Rent History

Book name  
Select a Book

Customer name  
Select a User

Return date  
mm/dd/yyyy

Description  
Description

Add

Activate Windo  
Go to Settings to act

Fig 4.15: Record of Rent History

## CHAPTER 5

### PROCESS MODEL

Our project follows the gradual model. Incremental Model refers to a process of software development where requirements are divided into multiple standalone modules of the software development circle.

#### 5.1 Incremental Process Model

Incremental Model refers to a process of software development where requirements are divided into multiple standalone modules of the software development circle. In this model, each module goes through the requirements, design, implementation, & testing phases. Every subsequent release of the module puts on function to the earlier release. The process continues until the complete system is accomplished.

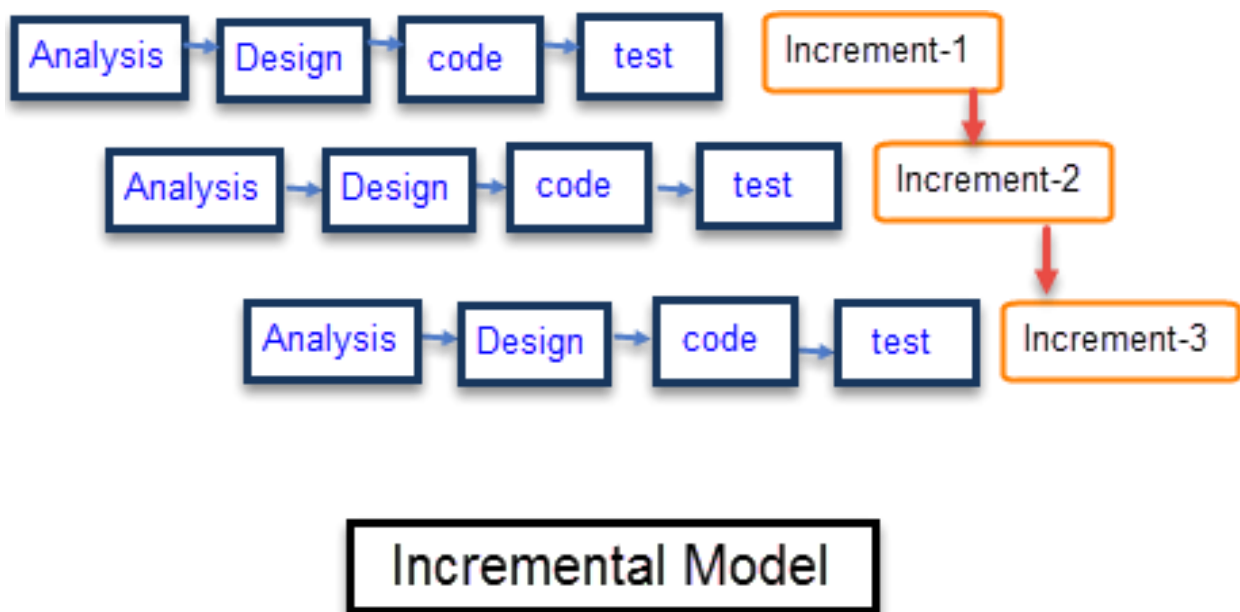


Fig 5.1: Incremental process Model



## 5.2 Phases of Incremental model

**1. Requirement analysis:** At the initial stage of the incremental model, the product analysis expertise identifies the requirements & the system functional requirements are understood by the requirement analysis team. To develop the software under the incremental model, this phase performs a crucial role.

**1. Design & Development** In this initial stage of the Incremental model of SDLC, the design of the system functionality & the development method are finished with having success. When software develops new practicality, the incremental model uses the style & also development stage.

**2. Testing:** In this incremental model, testing phase checks the performance of each existing function. In the testing stage various methods are used to test the behavior of each work or task.

**3. Implementation:** The implementation phase qualifies the coding stage of the development system. It involves the final coding that is designed in the designing & development phase & also tests the functionality in the testing phase. After finishing of this stage, the number of the products working is increased & upgraded up to the final system product.

## **CHAPTER 6**

### **PLAN & LIMITATION**

#### **6.1 Plan**

- We will add a web version of this system
- Create Group for discussing with each other about books
- Add payment method by using a credit card, bkaash & other use full system
- Detecting the location of a user by using Google map
- We will add a more advanced system
- Built it easiest for every kind of user
- Add call system

#### **6.2 Limitations**

- This system has no web version
- It has no payment method for payment
- it has no advanced system
- Google map for a user is not available
- The call system is not available
- Book rent, sell system is manual

## **CHAPTER 7**

### **CONCLUSION**

#### **7.1 Conclusion**

This system not only can easily find the information & purchase books & the operating conditions maybe are simple, user-friendly. It's extremely helpful for every kind of user who may seek to sell rent their books by using an online platform. This is an online application where the customer can purchase books through online. By this system customers can search for a book by its title or author, later can add it to the shopping cart, & finally purchase using credit card transaction. The user can log in using his account details. They should give the details of their name, contact number, & shipping address. The user also can give feedback to a book by providing ratings on a score of five. The books are divided into many categories based on the subject like Software, Database, English, Architecture, etc. The system is a general hobby for the sake of reading & books on the needs of the consumer customer base, with a certain degree of practical online bookstore system. It is mainly different from the traditional physical bookstores, to overcome a series of physical bookstores limited diversity, fixed location, bounded space & narrow sales channels & other issues for people to purchase the book has brought satisfaction.

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# Plagiarism Report:

Online Book Store Web Application

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