

# **Online Book Store System**

## **BookCafe**

### **ICT2243**

<b>A.M.L.S. Sandaruwan</b>	<b>TG/2017/235</b>
<b>S. Mithuna</b>	<b>TG/2017/239</b>
<b>H.A.I. Chathuranga</b>	<b>TG/2017/256</b>
<b>S. Tharmiya</b>	<b>TG/2017/260</b>
<b>W.A Vithakshana</b>	<b>TG/2017/268</b>
<b>N.F Nasrin</b>	<b>TG/2017/273</b>

**Lecturer in charge:** Miss. Iromi Randika

**Submission Date:** 10/04/2020



Bachelor of Information and Communication Technology  
Department of Information and Communication  
Technology Faculty of Technology University of  
Ruhuna.

# Acknowledgement

In performing our assignment, we had to take the help and guideline of some respected persons, who deserve our greatest gratitude. The completion of this assignment gives us much pleasure. We would like to show our gratitude Miss.Iromi Randika, Course Instructor, FOT, University of Ruhuna for giving us a good guideline for assignment throughout numerous consultations. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us in writing this assignment.

We also thank the staff of FOT, University of Ruhuna. Many people, especially our classmates and team members itself, have made valuable comment suggestions on this proposal which gave us an inspiration to improve our assignment. We thank all the people for their help directly and indirectly to complete our assignment.

# Declaration

We hereby certify that this project and the all the artifacts associated with it is our own work and it has not been submitted before nor is currently being submitted for any other degree program.

**Name of the supervisor:** Miss Iromi Randika

Name	Index No	Signature
A.M.L.S. Sandaruwan	TG/2017/235	.....
S. Mithuna	TG/2017/239	.....
H.A.I. Chathuranga	TG/2017/256	.....
S. Tharmiya	TG/2017/260	.....
W.A Vithakshana	TG/2017/268	.....
N.F Nasrin	TG/2017/273	.....

**Signature of the supervisor:** .....

**Date:** .....

# Table of Content

## Contents

Declaration.....	3
Table of Content.....	4
List of Figures .....	6
List of Tables .....	7
Chapter 1.....	8
Introduction.....	8
Outline of the chapter .....	8
1.1. Introduction .....	9
1.1.1 Mission.....	9
1.1.2 Vision.....	9
1.1.3 Customers .....	<b>Error! Bookmark not defined.</b>
1.1.4 Suppliers .....	10
1.2 Need Analysis .....	10
1.2.1 Problem Definition.....	10
1.2.2 Project Aim.....	12
1.3 Objectives, scope with clear boundaries .....	12
1.4 Tools and Feasibility .....	13
1.5 Organization of the Dissertation.....	13
Chapter 1 – Introduction .....	13
Chapter 2 - System Analysis .....	13
Chapter 3 – System Design .....	13
Chapter 2.....	14
System Analysis .....	14
Outline of theChapter .....	14
2.1 Analysis of the current system.....	15
2.2 Use case Diagrams for existing system.....	15
2.3 Use case descriptions for existing system .....	16
2.4Functional and nonfunctional Requirement .....	20
Chapter 3.....	22
System .....	22
Design.....	22
Outline of theChapter .....	22
3.1 Use case Diagrams .....	23

3.1.1 use case diagram for user login .....	24
3.1.2 use case diagram for user search book.....	24
3.1.3Use Case Descriptions.....	25
REGISTER TO THE SYSYTEM.....	25
LOGIN TO THE SYSTEM.....	26
BUY BOOK .....	26
PAY FOR BOOKS .....	27
RETURN BOOKS .....	27
FEEDBACK .....	28
ADD BOOKS TO SYSTEM.....	28
ADD STORES TO THE SYSTEM .....	29
REMOVE USERS FROM THE SYSTEM.....	30
REMOVE STORES FROM THE SYSTEM .....	30
3.2Activity Diagrams.....	31
3.2.1Activity Diagrams for user .....	31
3.2.2Activity Diagrams for admin.....	32
3.3 <i>Sequence Diagrams</i> .....	33
3.3.1 sequence diagram for login .....	34
34	
3.3.2 sequence diagram for user registration .....	34
3.3.3 Sequence diagram for book issuing .....	35
35	
3.3.4 Sequence diagram for book returning.....	35
35	
3.4.1 Class diagram .....	36
5.1 Database Design .....	36
3.5.1 ER Diagrams.....	37
6.1Interfaces.....	38
3.6.1 user logging page .....	38
3.6.2 cart page .....	39
3.6.3 item selection page.....	39
3.6.4 flutter .....	40
3.6.5 user registration page .....	40
7.1 Implementation.....	42
Detailed Design of Implementation.....	42
Technical Design .....	43

Post implementation .....	43
7.2 Testing.....	43
7.3 Conclusion.....	44
7.4 Future plans .....	44

## List of Figures

Figure 1 .....	11
Figure 2.....	11
Figure 3: Use Case Diagram for Existing Sstem .....	15
Figure 4 1.1 Use case Diagrams.....	20
Figure 5 3.2.2 Activity Diagram for system.....	29
Figure 6 3.2.3 Activity Diagram for admin.....	30
Figure 7 3.2.4 Activity Diagram for Delivery boy.....	31
Figure 8 3.3 Sequence Diagrams.....	32
Figure 9 3.5 ER Diagrams.....	33

## List of Tables

Table 1:Order Goods .....	16
Table 2:Arranging Gods .....	16
Table 3:Selling Goods .....	17
Table 4:Preparing Bill .....	17
Table 5: Buying Item.....	18
Table 6: Making Payments .....	18
Table 7: Supplying Goods .....	19

# Chapter 1

---

## Introduction

### Outline of the chapter

*1.1. Introduction*

*1.2. Need analysis*

*1.3. Objectives and project scope with clear boundaries*

*1.4. Tools and Feasibility*

*1.5. Organization of Dissertation*



## 1.1. Introduction

BookCafe is an online book delivery system for modern busy people. This system includes ordering via online, online paying and online delivering methods.

This Island wide book delivery system that anyone can deliver anything in a short time period is aimed to reduce time consuming of the busier people. We are going to situate island wide branches, island wide speed delivery system and our own stores for stock items.

We provide a delivery system in Sri Lanka with our own vehicles and buy relevant item from relevant store that user selected and trusted. This is a current requirement in this commercialized world.

### 1.1.1 Mission

We will continue to offer quality products and services using the best technology available and at a reasonable price. This results in highly loyal customers, while maintaining interest and company profits in mind. We also want to expand geographically, increasing the number of customers and to keep improving our main competitive advantage – infrastructure.

### 1.1.2 Vision

“To become the leading brand in the world of E-business. And providing the books on your finger click like pizzas.”

### 1.1.3 Customers

Mainly we have two groups of customers:

- The who already using online payment methods
- People who do not know this method and like to use this method

Sri Lankan young generation using techniques as same as our company technique. In that case we mainly targeting them. After that we can introduce online payments to elder people (age 40-60) with banks.

To seeking the requirements from customers we are providing feedback form on our company website.

#### 1.1.4 Suppliers

We are joining some other bookstores and connect the nearest shop with the customers. Since we are going to deliver some book item, we are dealing with some payment methods.

### 1.2 *Need Analysis*

#### 1.2.1 Problem Definition

Currently, there are so many people with different needs and wants. Most of the people are busier with their day today life. Therefore, people cannot find time to buy their favorite books because lack of time. Not only that it saves time and manpower of people.

People are facing so many problems when they are going to buy books. Some of them are there are queues to payments, traffic jams, bad weather conditions. To overcome those things, we must introduce this system.

Several major problems have been identified by conducting a small survey at society.

Questions from the survey are described below.

Question:



Figure 1

Here the aim of the question was getting a clear idea about how often people go for book shops. This indicates most of the people wasting their time for visit book shop per week.

Question:

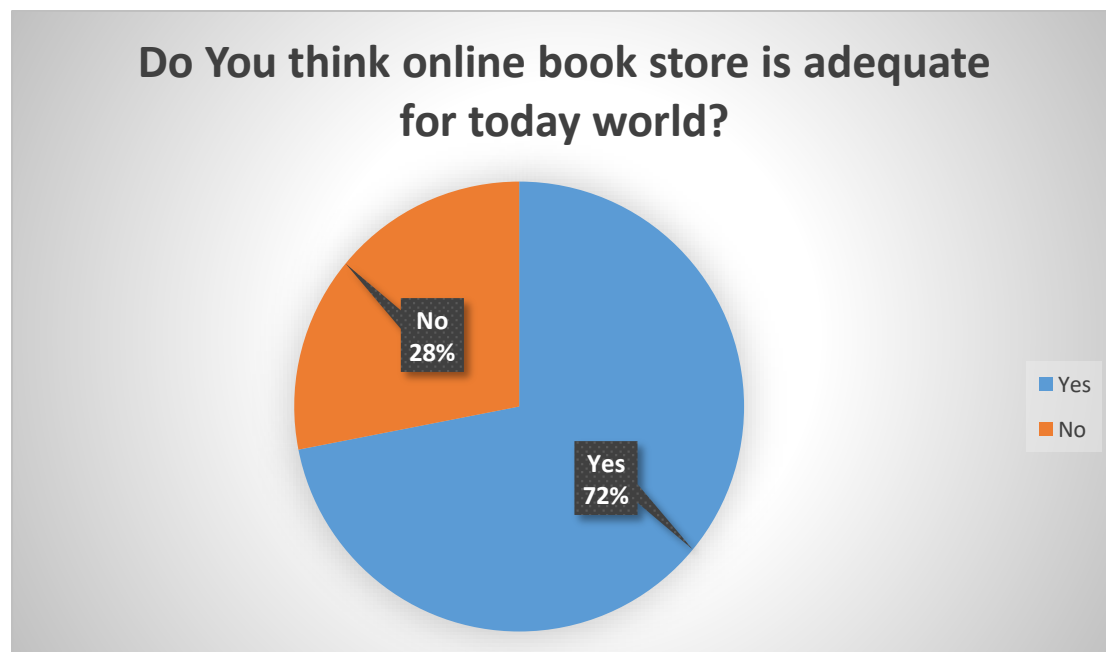


Figure 2

From this question customers gave their opinion about shopping for book shops. Thought of 72% of the customers were like to online purchases. This can be changing because of various reasons. Busy time schedule of the customer first place of them.

### 1.2.2 Project Aim

Main goal of the project is to facilitate online book shopping software for busier people. It helps to save time and manpower. They can use that time to do new things. Busy people cannot do innovation because of the lack of time. From using this system people can apply that time to do new things. It is not only good for the people but also it is good for the development of the country. As a developing country we should use those kinds of software's to do things.

### 1.3 Objectives, scope with clear boundaries

- Maintain a database

Users of the system will be the customers with busy schedule. From analyzing their behaviors doing updates. Automatically updating database when customer login and using web site.

- Secure

We guarantee security specially when doing payments. And guaranty about quality of our delivering books.

- Services

This BookCafe system is providing so many services. Such as online paying, quick delivering books through our own vehicles, delivery methods, web site with more advance features. The specialty is we can give our service within small delivery fee than others.

- Target Customers

The people who already using online payment methods and who like to buy online and people who do not know this method and like to use this method.

- Future

We are planning to situate island wide branches, island wide delivery system and our own stores for stock books. Our own island wide delivery system that anyone can purchase anything in a short time period.

## *1.4 Tools and Feasibility*

The development is to be done using JavaScript, MySQL, PHP and bootstrap. Mobile application can be developed in Android platform using java and HTML5.

## *1.5 Organization of the Dissertation*

This section will give a briefing on the contents of each chapter of the ‘BookCafe’ report.

### *Chapter 1 – Introduction*

Chapter 1 introduces the system and the need of a system to facilitate the processes. It also includes the benefits and the features of the web-based solution stating the its scope. Finally, the chapter is concluded with the objectives and description of the tools used in the development.

### *Chapter 2 - System Analysis*

This chapter covers mainly the analysis of the current system where it focuses on existing business process using use case diagrams under UML. It will be followed by the use case descriptions and activity diagrams, to have a clear idea on existing business process for the users. Then Business system options will be described suggested improvement related to current system.

### *Chapter 3 – System Design*

System Design is about the creating a blueprint for development after the requirement analysis and specification. This Chapter will offer a better understanding of the system behavior and interactions with the diagrams used. By the end of the chapter, database design will show the tables which will be used in the system and finally the chapter will conclude with the Graphical User Interface.

# Chapter 2

---

## System Analysis

### Outline of the Chapter

*2.1 Analysis of the current system*

*2.2 Requirement Specification*

2.4 Functional and nonfunctional Requirement

## 2.1 Analysis of the current system

In this section mainly focused on Use Case Diagrams and activity for several processes identified. In this section E-mentor application and career manager processes are elaborated by giving clear diagrams and descriptions.

## 2.2 Use case Diagrams for existing system

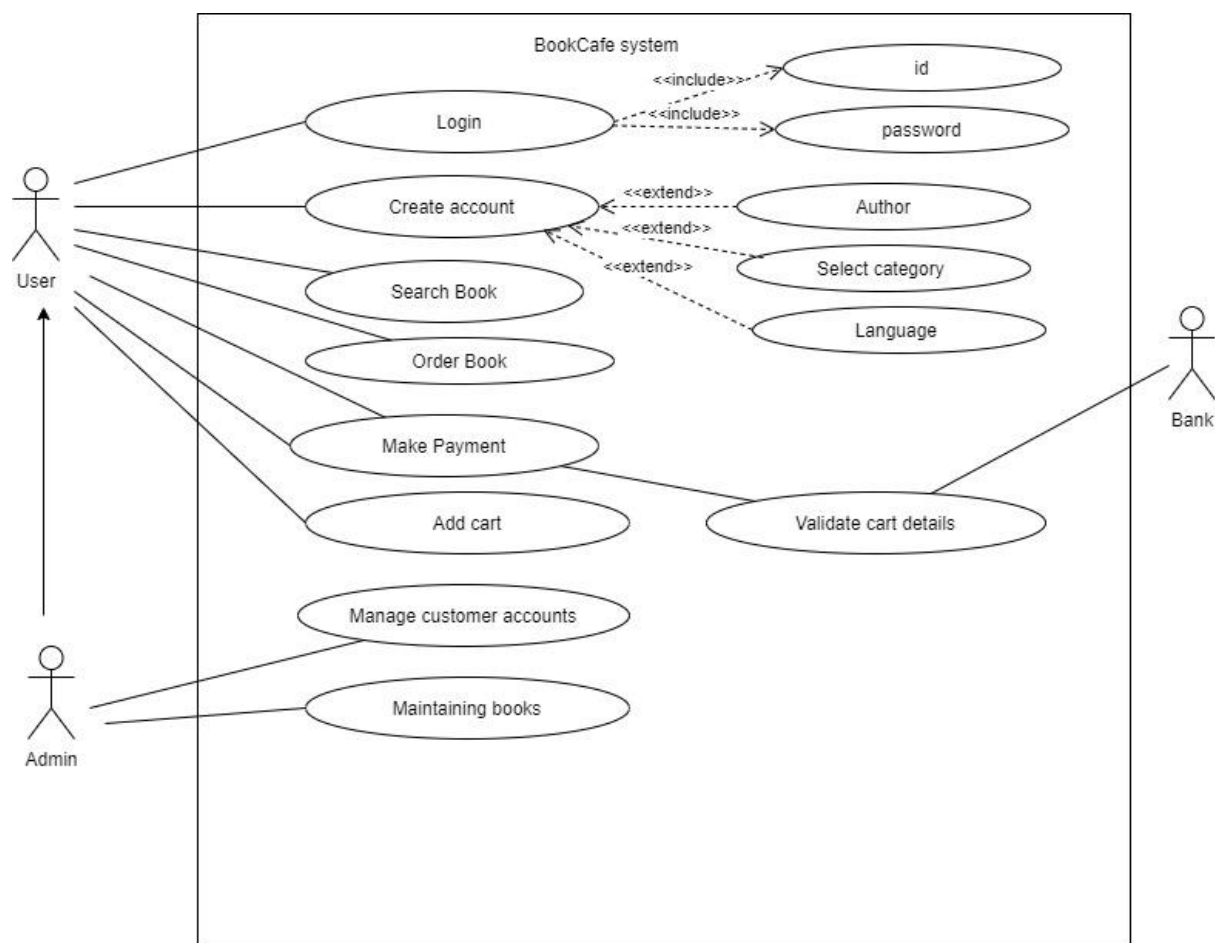


Figure 3: Use Case Diagram for Existing System

### 2.3 Use case descriptions for existing system

<b>Use Case</b>	Order BOOK
<b>Use Case ID</b>	UC- 01
<b>Actors</b>	Retailer, Supplier
<b>Normal flow</b>	<ol style="list-style-type: none"><li>1. Check stock</li><li>2. If stock is empty inform to supplier</li><li>3. Ask to refill the stock</li></ol>
<b>Pre-Conditions</b>	Stock must be empty
<b>Post- Conditions</b>	Supplier supply books
<b>Exceptions</b>	Asking available books from the suppliers.

*Table 1: Order Goods*

<b>Use Case</b>	Arranging Goods
<b>Use Case ID</b>	UC-02
<b>Actors</b>	Retailer
<b>Normal flow</b>	<ol style="list-style-type: none"><li>4. Make prices of the books.</li><li>5. Divide to product categories</li></ol>
<b>Pre-Conditions</b>	Stock should be with books.
<b>Post- Conditions</b>	books with different prices and product.
<b>Exceptions</b>	Retailer can't maintain stock properly.

*Table 2: Arranging Goods*



<b>Use Case</b>	Selling books.
<b>Use Case ID</b>	UC-03
<b>Actors</b>	Retailer, Customer
<b>Normal flow</b>	<ol style="list-style-type: none"> <li>1. Customer asking books.</li> <li>2. Give requesting books for customers</li> </ol>
<b>Pre-Conditions</b>	Customer must come to the website.
<b>Post- Conditions</b>	Customer get books
<b>Exceptions</b>	Customer can't buy goods on time.

*Table 3: Selling Goods*

<b>Use Case</b>	Preparing Bill
<b>Use Case ID</b>	UC-04
<b>Actors</b>	Retailer, Customer
<b>Normal flow</b>	<ol style="list-style-type: none"> <li>1. Customer buy books.</li> <li>2. Note about the list of books</li> <li>3. Make the total amount for books.</li> <li>4. Issue bill for the customer.</li> </ol>
<b>Pre-Conditions</b>	Customer should have to buy things.
<b>Post- Conditions</b>	Issue a bill for the customer.
<b>Exceptions</b>	Customer and retailer can't keep documentation about transaction.

*Table 4: Preparing Bill*

<b>Use Case</b>	Buying books
<b>Use Case ID</b>	UC-05
<b>Actors</b>	Customer, Retailer
<b>Normal flow</b>	<ol style="list-style-type: none"> <li>1. Customer going to website.</li> <li>2. Check about the books.</li> <li>3. Choose the things that customer wants to buy.</li> </ol>
<b>Pre-Conditions</b>	Customer should go to the website.
<b>Post- Conditions</b>	Customer order books.
<b>Exceptions</b>	Stock is not reducing.

*Table 5: Buying Item*

<b>Use Case</b>	Making Payments
<b>Use Case ID</b>	UC-06
<b>Actors</b>	Customer, Retailer
<b>Normal flow</b>	<ol style="list-style-type: none"> <li>1. Take the bill</li> <li>2. Checking the bill with books.</li> <li>3. Pay for the bill</li> </ol>
<b>Pre-Conditions</b>	Retailer should give the bill.
<b>Post- Conditions</b>	Finishing the transaction and can get the books.
<b>Exceptions</b>	Customer payments lower than the cost.

*Table 6: Making Payments*

<b>Use Case</b>	Supplying books
<b>Use Case ID</b>	UC-07
<b>Actors</b>	Supplier, Retailer
<b>Normal flow</b>	<ol style="list-style-type: none"> <li>1. Getting the request from the retailer.</li> <li>2. Packing the requested books.</li> <li>3. Give to the retailer.</li> </ol>
<b>Pre-Conditions</b>	Supplier should have a request from the retailer.
<b>Post- Conditions</b>	Filling the stock of customer.
<b>Exceptions</b>	There can be things which not matching with the requested items.

*Table 7: Supplying Goods*

## 2.4 Functional and nonfunctional Requirement

Functional	
Customer	<p>WEBSITE</p> <ul style="list-style-type: none"> <li>• Login,Logout</li> <li>• Search Item - Providing a Search bar to search Characters on the Stock</li> <li>• Select Items – Select Provided results or already provided items in the main menu</li> <li>• Order Items – order items through the website and add them to the cart</li> <li>• Buy(Payment) – Make transactions through Authorized media like PayPal</li> </ul>
	<p>DELIVERY</p> <ul style="list-style-type: none"> <li>• Deliver Items – Deliver Items to Customers Doorstep with Delivery Boys and Make the Cycle complete</li> </ul>
Non-Functional	
Customer	<p>WEBSITE</p> <ul style="list-style-type: none"> <li>• Availability – Providing available amount of the items to the customer</li> <li>• Discount – Decreasing price will increase daily activity of Customers and new Customers</li> <li>• PAYMENT METHODS – Every Payment method around the world and with every Bank</li> </ul>
	<p>DELIVERY</p> <ul style="list-style-type: none"> <li>• International Delivery (GLOBAL) – Shipping Products round the world</li> <li>• Speed (FAST) Delivery – 1 Day, 2 Day delivery Methods</li> <li>• RETURN ITEMS – Return items when people unhappy with them</li> <li>• Warranty – No Life Time Warranty</li> </ul>

Functional	
Admin	Website <ul style="list-style-type: none"> <li>• Provides Login Page</li> <li>• Dashboard</li> <li>• Control Users</li> </ul>
Non-Functional	
Admin	Website <ul style="list-style-type: none"> <li>• Speed</li> </ul>

# Chapter 3

---

## System Design

### Outline of the Chapter

*1.1 Use cases*

*2.1 Activity Diagrams*

*3.1 Sequence Diagrams*

*4.1 Class diagrams*

*5.1 Database Design*

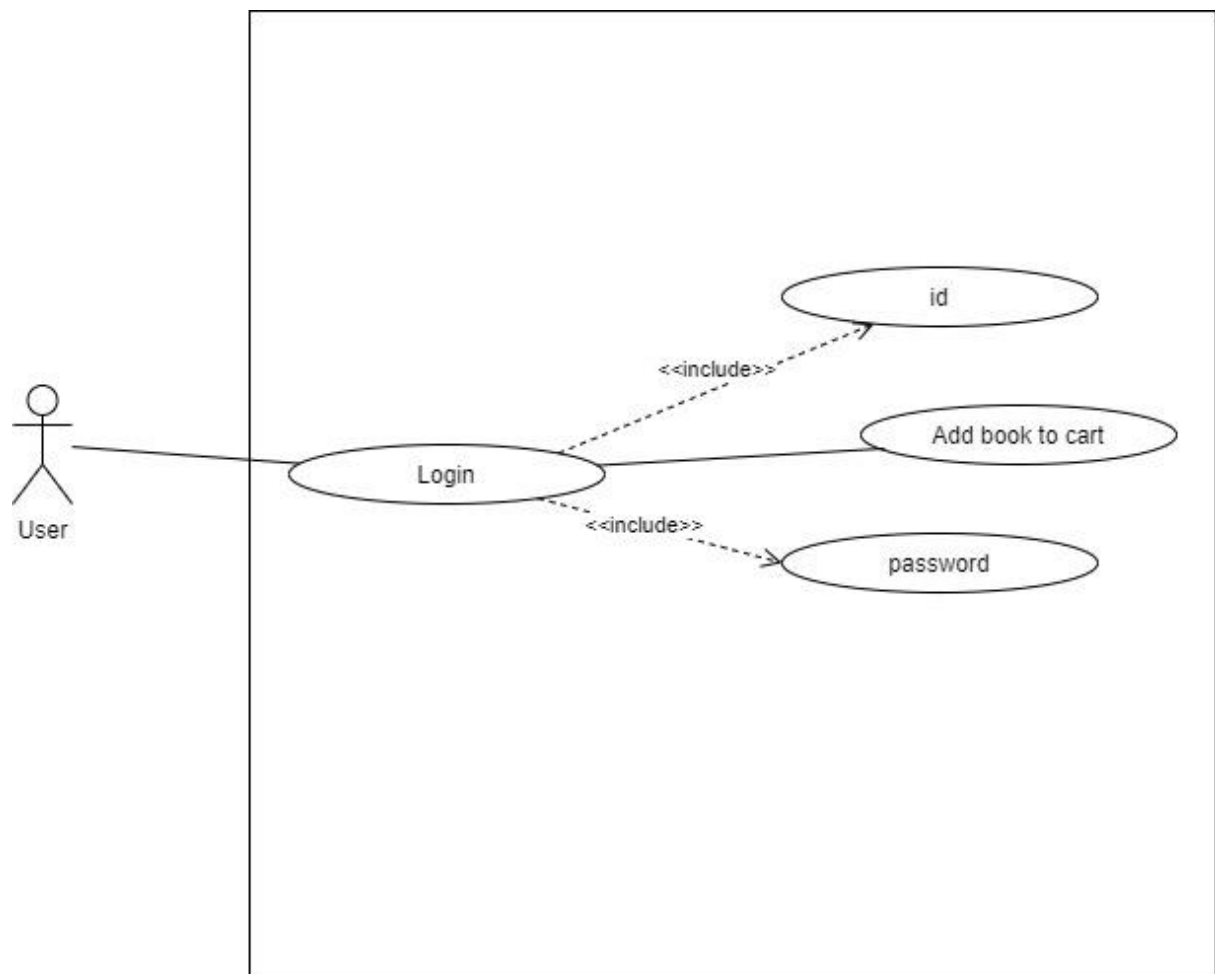
*6.1 Interface Design*

### 3.1 Use case Diagrams



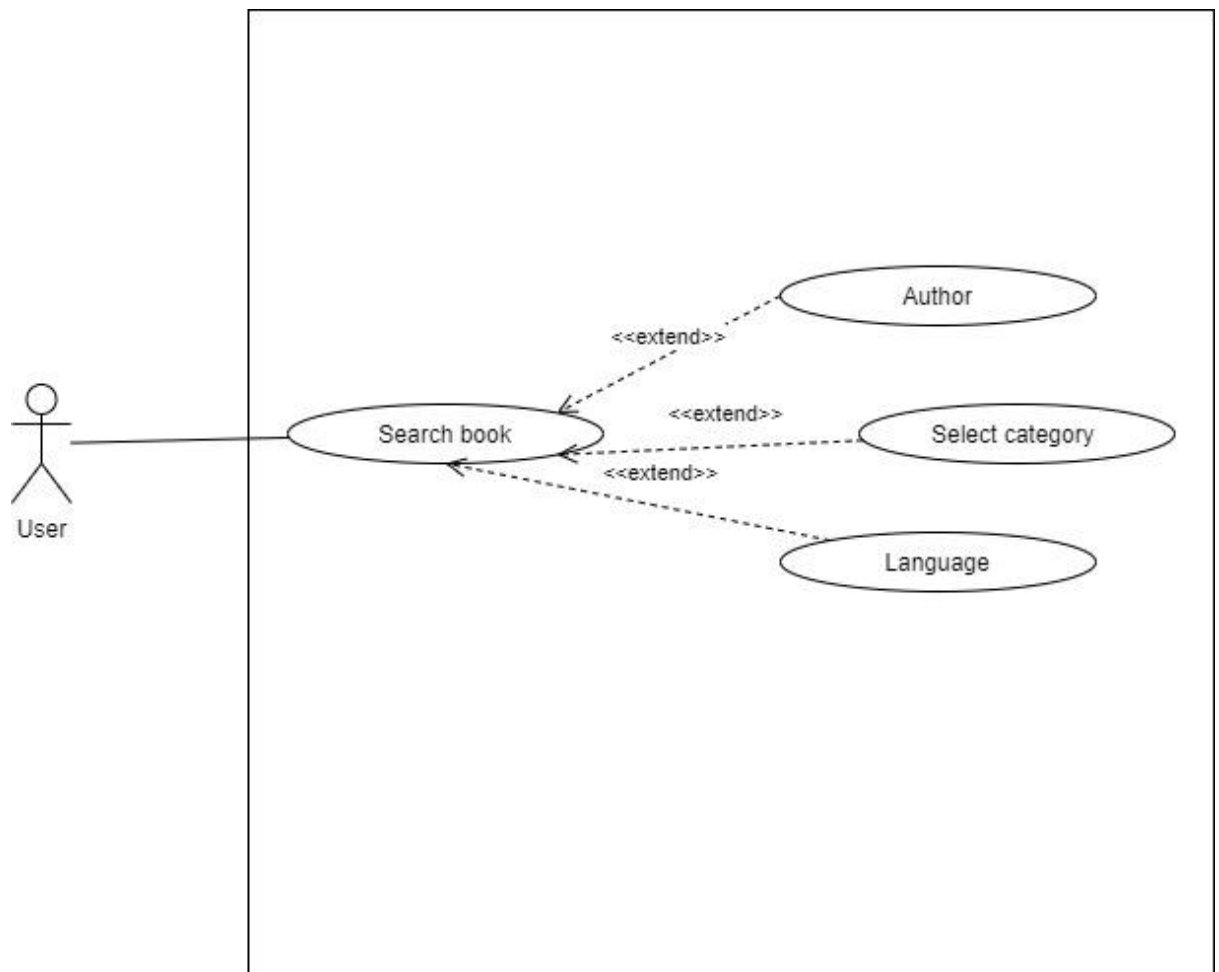
Figure 4 1.1 Use case Diagrams

### 3.1.1 use case diagram for user login



### 3.1.2 use case diagram for user search book





### 3.1.3 Use Case Descriptions

#### REGISTER TO THE SYSTEM

Use Case	Register to the system
Actor	Customer
Normal flow	<ol style="list-style-type: none"> <li>1. User fill registration form with e-mail, phone number, name and address.</li> <li>2. Select submit.</li> <li>3. System send conformation email with link to the customer.</li> <li>4. Customer login to the that link.</li> <li>5. System approve the register request.</li> </ol>

Post-Conditions	Created a user account.
-----------------	-------------------------

*Table 8: Register the system*

#### LOGIN TO THE SYSTEM

Use Case	Login
Actor	Customer, Admin
Normal flow	<ol style="list-style-type: none"> <li>1. User enter Phone number and password.</li> <li>2. Validate the login details.</li> <li>3. Re-directs to the home page of the BookCafe Production.</li> </ol>
Pre-Condition	Registered user.
Post-Condition	User logs in to the system and can perform other tasks.
Exception	If Invalid login details provide by user, then display error message.

*Table 9: Login the system*

#### BUY BOOK

Use Case	Buy book
Actor	Customer
Normal flow	<ol style="list-style-type: none"> <li>1. User search books and add to the shopping cart.</li> </ol>
Pre-Condition	Login to the system
Post-Condition	Books added to the Shopping cart.

Exceptions	If User selected books not in user's area system ask, "books are not in your area, are you agree to two-day delivery system?" from user.
------------	--

Table 80: Buy Item

#### PAY FOR BOOKS

Use Case	Pay for books
Actor	Customer
Normal flow	<ol style="list-style-type: none"> <li>1. User select the cart.</li> <li>2. Select payment option</li> <li>3. Pay the bill.</li> </ol>
Pre-Condition	Login to the system. Buy books.
Post-Condition	System send the invoice copy to customer through e-mail.

Table 91: Pay for Item

#### RETURN BOOKS

Use Case	Return books
Actor	Customer
Normal flow	<ol style="list-style-type: none"> <li>1. Choose return book function.</li> <li>2. Enter invoice number and return reason.</li> <li>3. Select return.</li> </ol>
Pre-Condition	Customer must by books before for return.
Post-Condition	book return request sends to the admin.

Exception	Administrator reject request.
-----------	-------------------------------

*Table 101: Return Item*

#### FEEDBACK

Use Case	Feedback
Author	Customer
Normal flow	<ol style="list-style-type: none"> <li>1. Select feedback option.</li> <li>2. Enter notice.</li> <li>3. Submit.</li> </ol>
Pre-Condition	Login to the system.
Post-Condition	Feedback is sent.

#### ADD BOOKS TO SYSTEM

Use Case	Add books to the system
Author	Admin
Normal flow	<ol style="list-style-type: none"> <li>1. Select add book option.</li> <li>2. Enter book details and price.</li> <li>3. Click add.</li> </ol>
Pre-Condition	Loges to system as the admin.
Post-Condition	book is added to the system.
Exception	If book is already existing, then display error message.

*Table 112: Add Item to system*

#### ADD STORES TO THE SYSTEM

Use Case	Add stores to the system
Author	Admin
Normal flow	<ol style="list-style-type: none"><li>1. Choose add store option.</li><li>2. Enter details about store.</li><li>3. Add.</li></ol>
Pre-Condition	Loges to system as the admin.
Post-Condition	Store is added to the system.
Exception	If store is already existing, then display error message.

*Table 123: Buy Item*

#### REMOVE USERS FROM THE SYSTEM

Use Case	Remove users from the system.
Author	Admin.
Normal flow	<ol style="list-style-type: none"> <li>1. Select remove user option.</li> <li>2. Enter user id.</li> <li>3. Choose to remove.</li> <li>4. Confirm remove.</li> </ol>
Pre-Condition	Loges to system as the admin.
Post-Condition	Removed user from the system.

*Table 134: Remove Users to system*

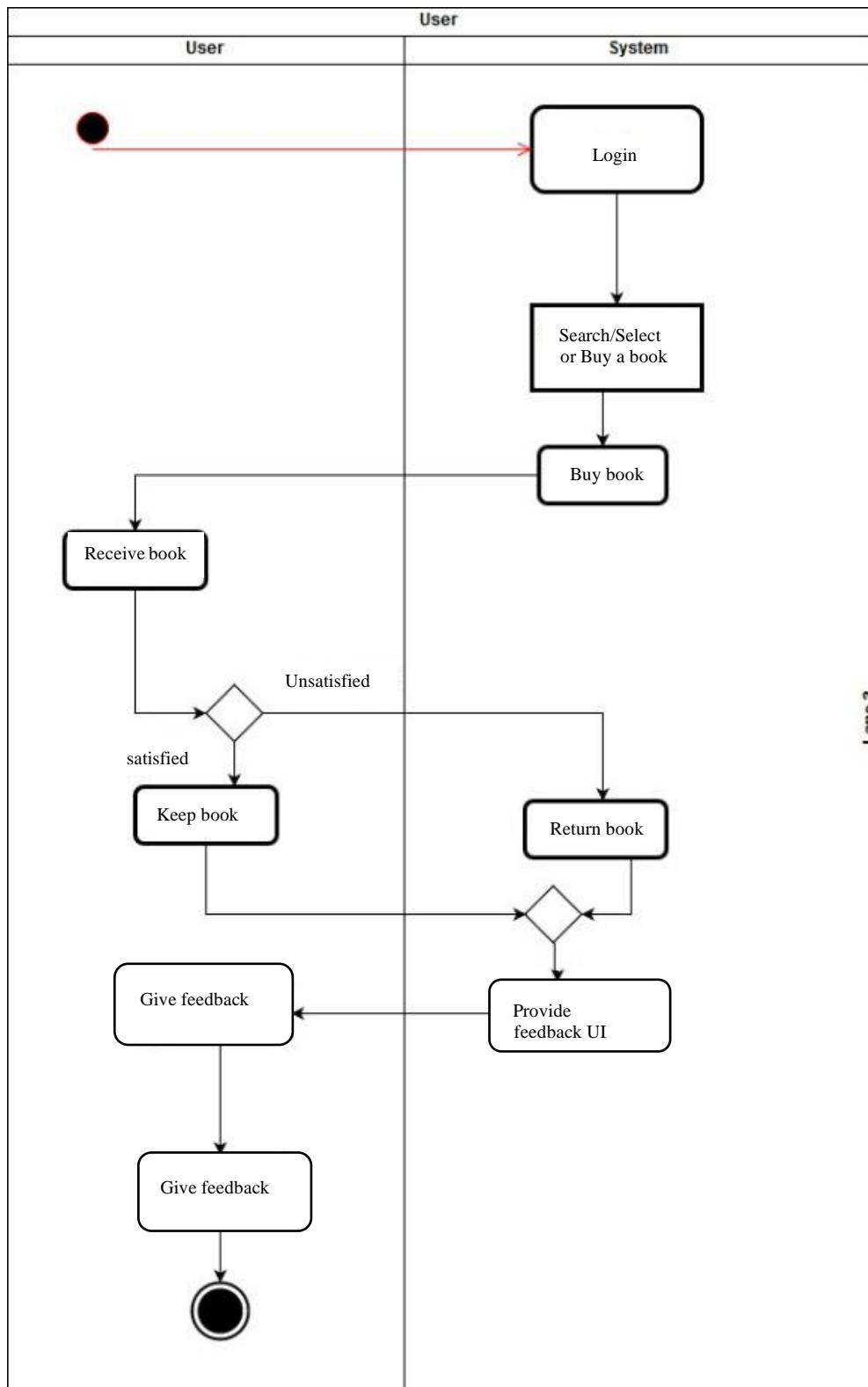
#### REMOVE STORES FROM THE SYSTEM

Use Case	Remove stores from the system
Author	Admin.
Normal flow	<ol style="list-style-type: none"> <li>1. Select remove store option.</li> <li>2. Enter store id.</li> <li>3. Choose to remove.</li> <li>4. Confirm remove.</li> </ol>
Pre-Condition	Loges to system as the admin.
Post-Condition	Removed store from the system.

*Table 145: REMOVE STORES FROM THE SYSTEM*

## 3.2 Activity Diagrams

### 3.2.1 Activity Diagrams for user



### 3.2.2 Activity Diagrams for admin

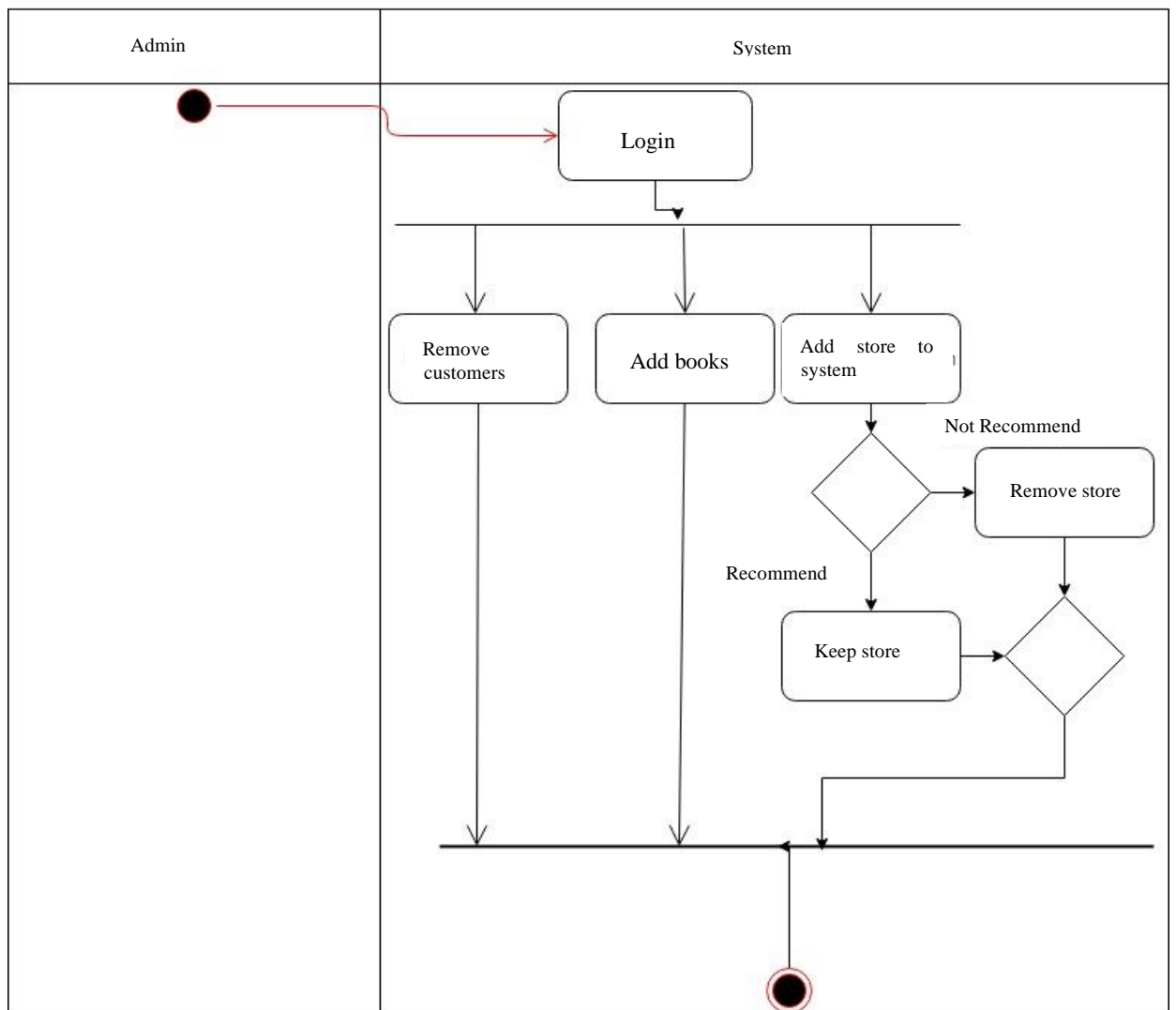


Figure 3.2.3 Activity Diagram for admin



### 3.3 Sequence Diagrams

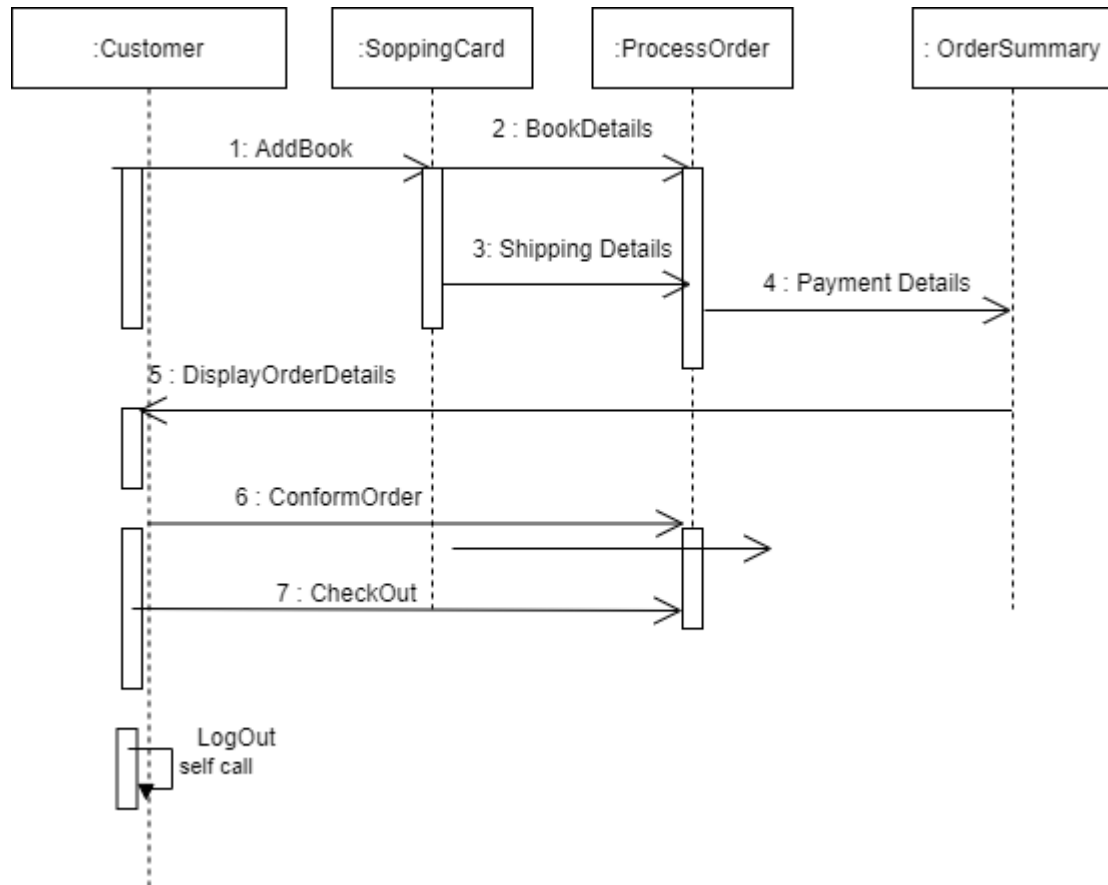
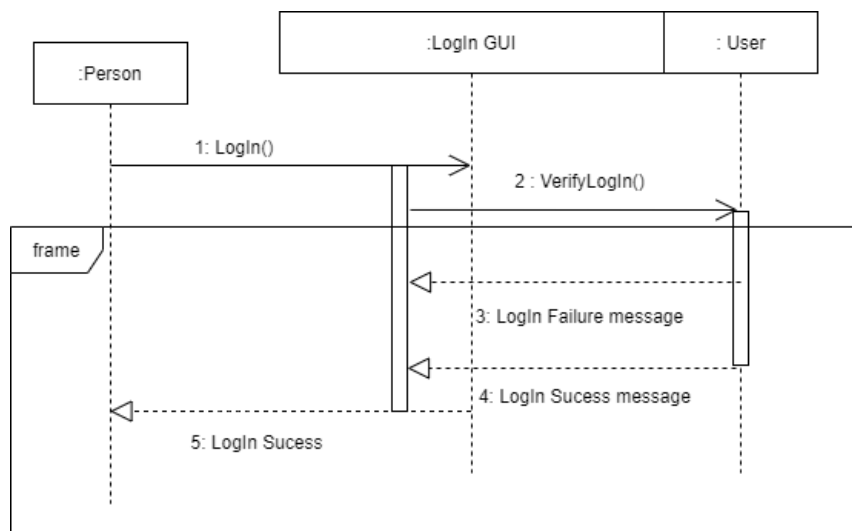


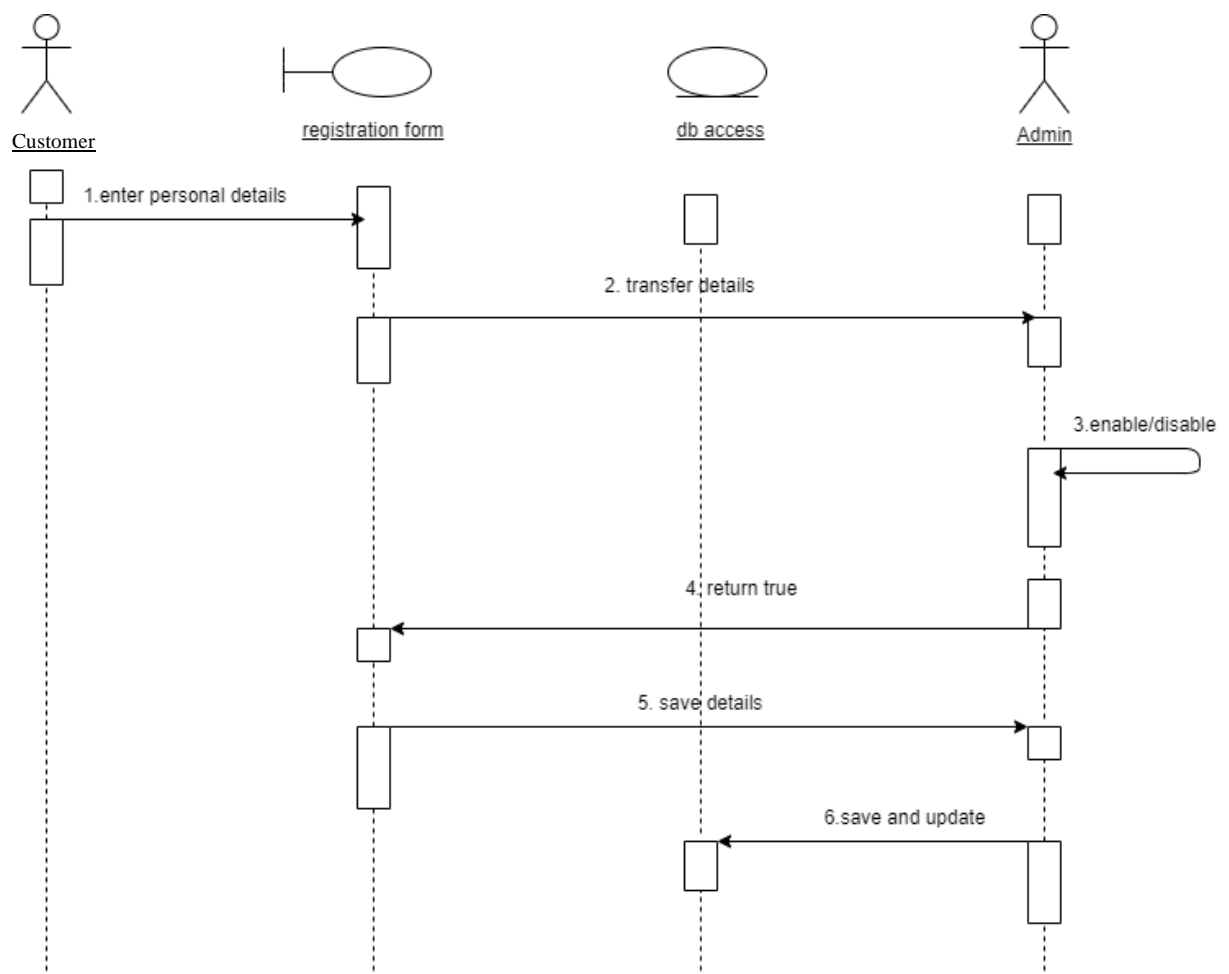
Figure 3.3 Sequence Diagrams

### 3.3.1 sequence diagram for login

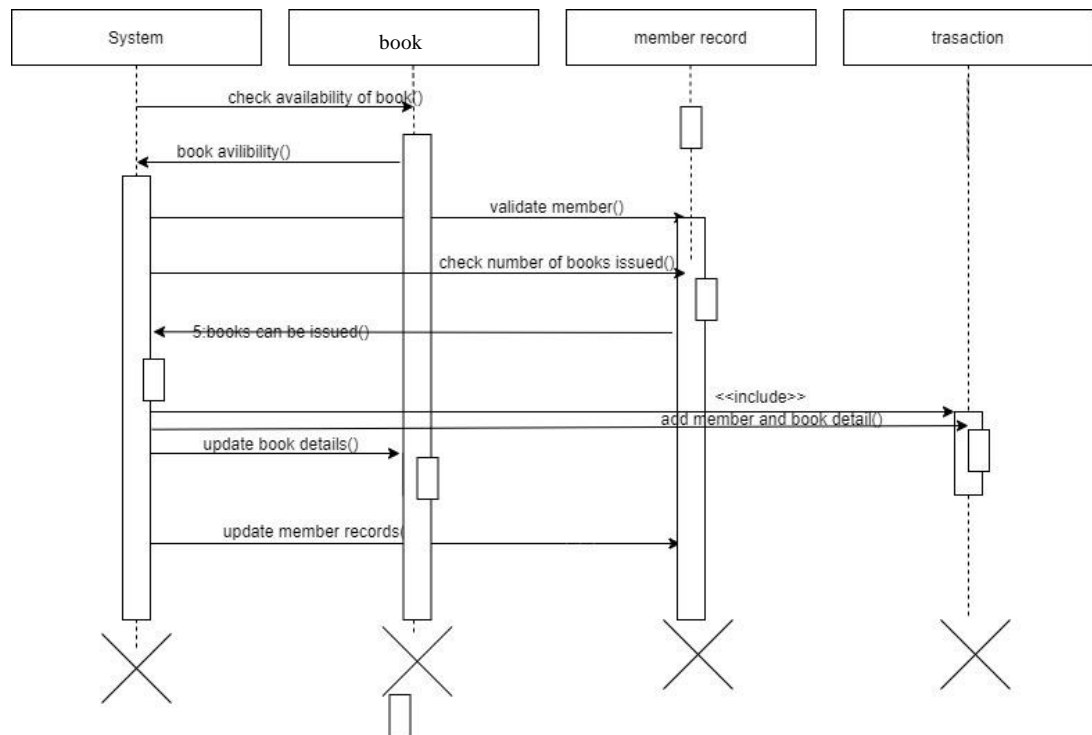


Text

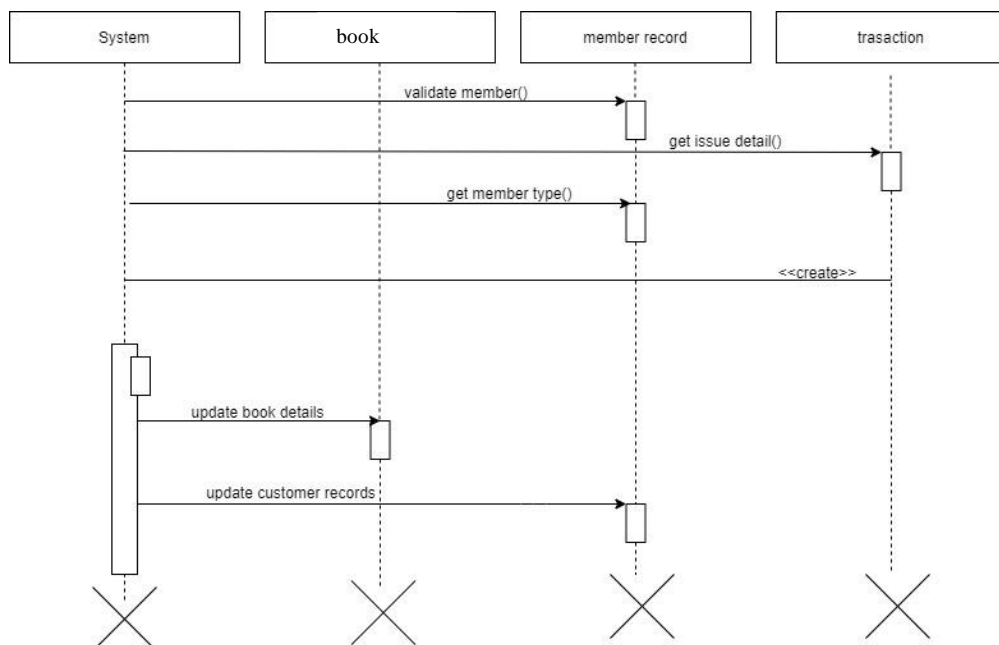
### 3.3.2 sequence diagram for user registration



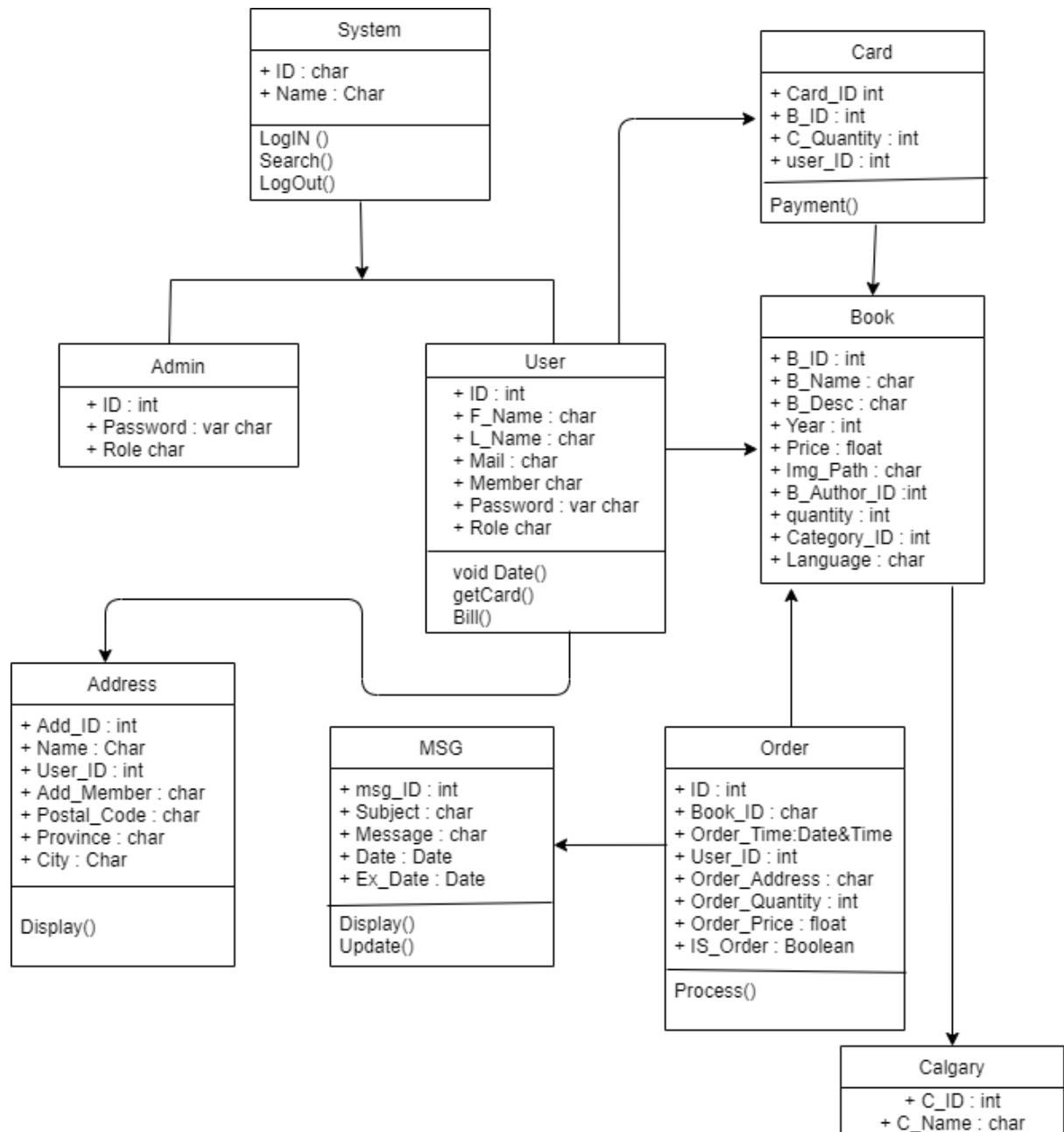
### 3.3.3 Sequence diagram for book issuing



### 3.3.4 Sequence diagram for book returning



### 3.4.1 Class diagram



### 5.1 Database Design

### 3.5.1 ER Diagrams

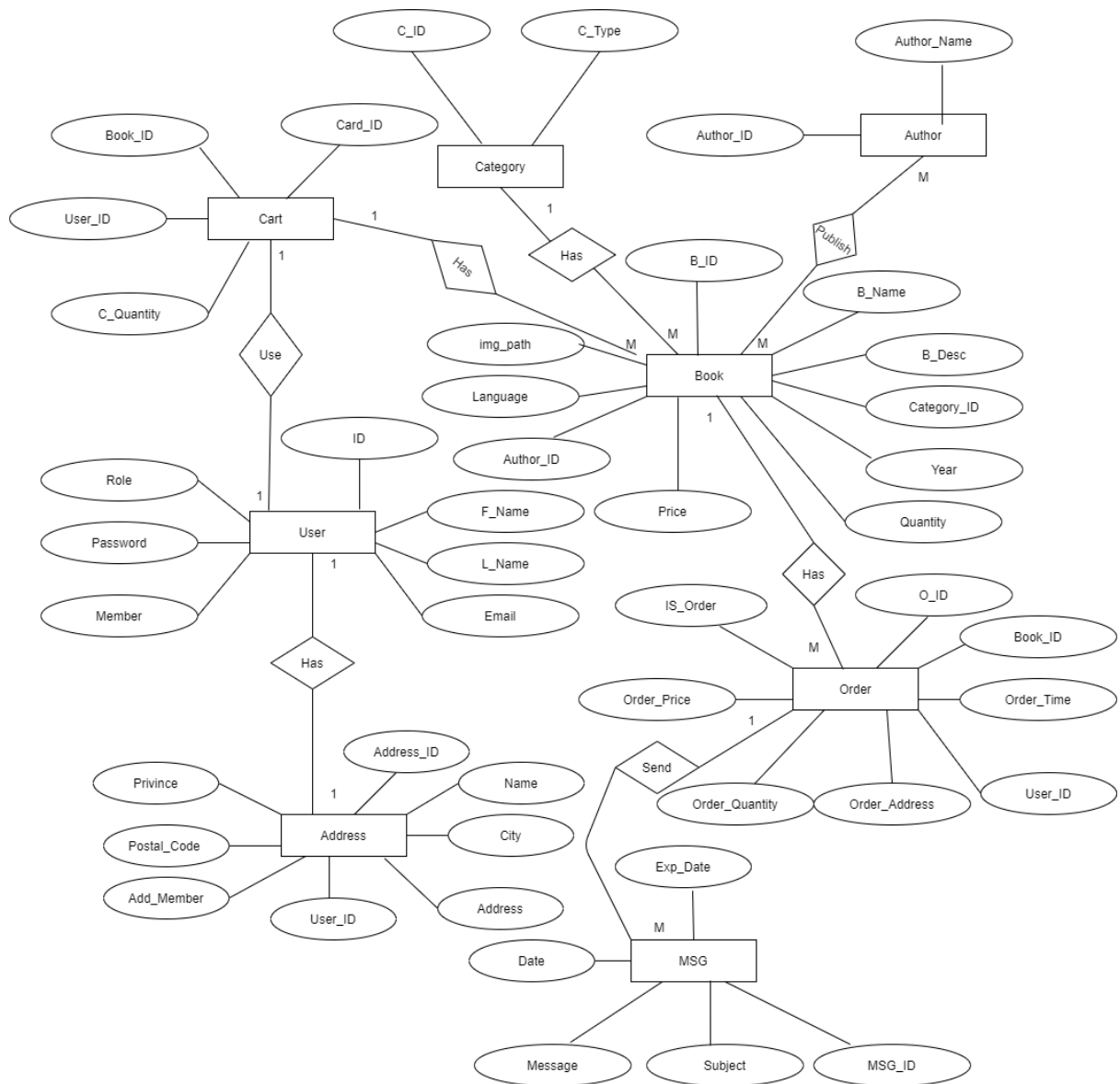
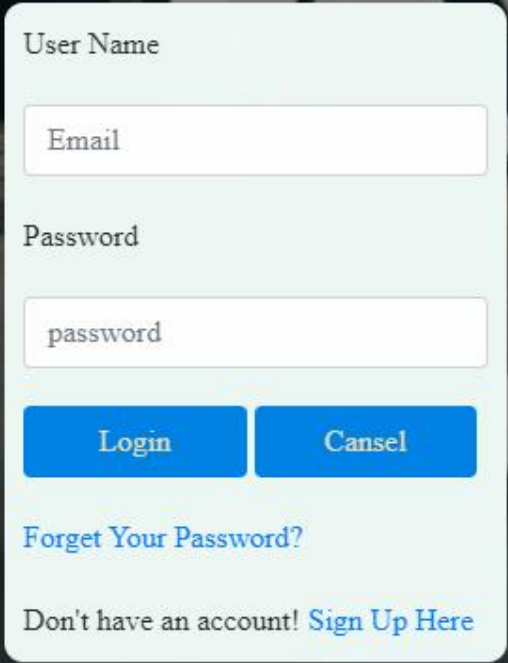


Figure 3.5 ER Diagrams

## 6.1 Interfaces

### *3.6.1 user logging page*







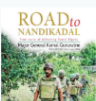

The image shows a user login interface overlaid on a blurred background of a desk with a laptop and a plant. The interface is a light blue rounded rectangle containing the following elements:

- User Name**: A label above a text input field containing the placeholder text "Email".
- Password**: A label above a text input field containing the placeholder text "password".
- Login**: A blue button with white text.
- Cansel**: A blue button with white text (note the spelling).
- Forget Your Password?**: A blue hyperlink.
- Don't have an account! [Sign Up Here](#)**: A line of text with a blue hyperlink.

### 3.6.2 cart page

BOOK

HOMEABOUTSERVICESCARDMY ORDERPROFILE

Item	Name	Quantity	Price	Total Price	Remove Book
	Gota's War	1	1000	1000	
	Ape gama	1	220	220	
	Road to Nandikadal	1	2520	2520	

Your Order

SubTotal

Rs :3740

Discount 5%

-Rs :0

Item Quantity

Rs :3

Total

Rs :3740


Place Order

### 3.6.3 item selection page

BOOK CAFE

Welcome fathimaABOUTMY ORDERCONTACTPROFILELOG OUT

Search Book Name or Author Name



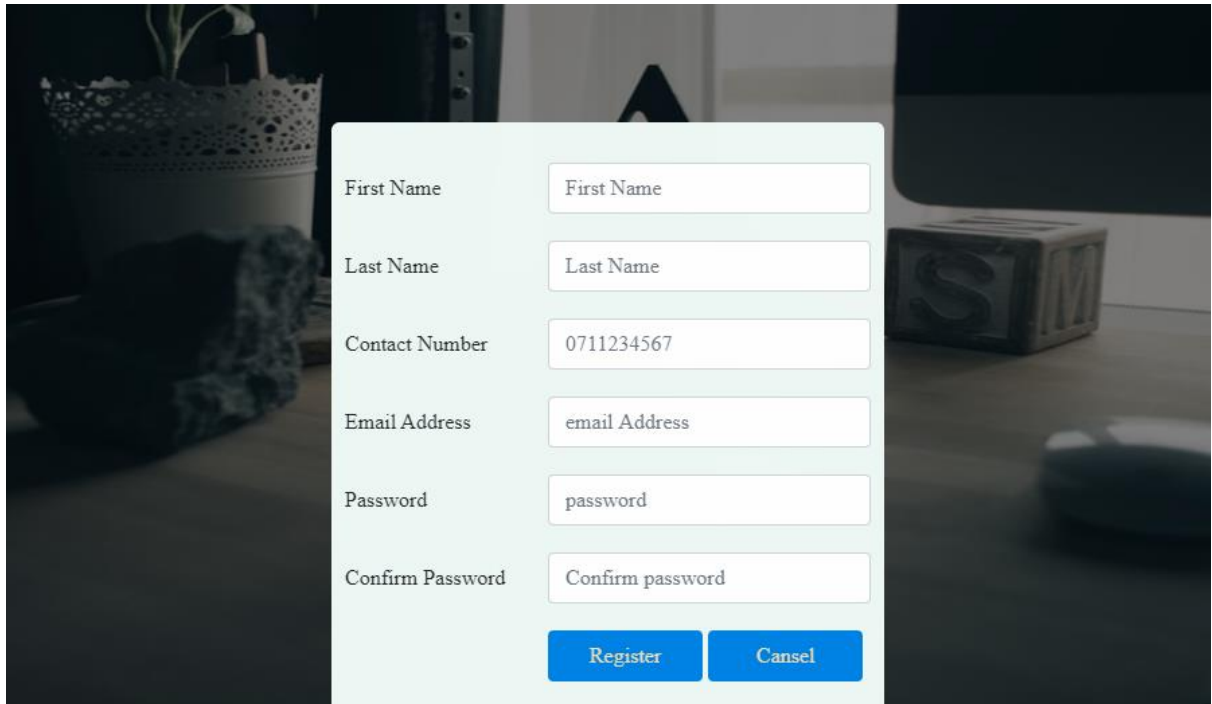


### 3.6.4 flutter

BOOK CAFE	PRODUCTS	USEFUL LINKS	CONTACT
<p>Here you can use rows and columns to organize your footer content. Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>	<p> <a href="#">MDBBootstrap</a>  <a href="#">MDWordPress</a>  <a href="#">BrandFlow</a>  <a href="#">Bootstrap Angular</a> </p>	<p> <a href="#">Your Account</a>  <a href="#">Become an Affiliate</a>  <a href="#">Shipping Rates</a>  <a href="#">Help</a> </p>	<p>           N0 80,Kamburupitiya, Matara  <a href="mailto:bookcafe@gmail.com">bookcafe@gmail.com</a>            0763304183            0703029153         </p>
<p>okcafe/page/user_show_book.php?id=BK006   © 2020 Copyright: <a href="#">bookcafe.lk</a></p>			

### 3.6.5 user registration page



A registration form is displayed as a light green overlay on a dark, blurred background of a desk. The background includes a potted plant on the left and a wooden block with the letters 'S' and 'M' on the right. The form contains six input fields with placeholder text, and two blue buttons at the bottom.

First Name

Last Name

Contact Number

Email Address

Password

Confirm Password

## 7.1 Implementation

### *Detailed Design of Implementation.*

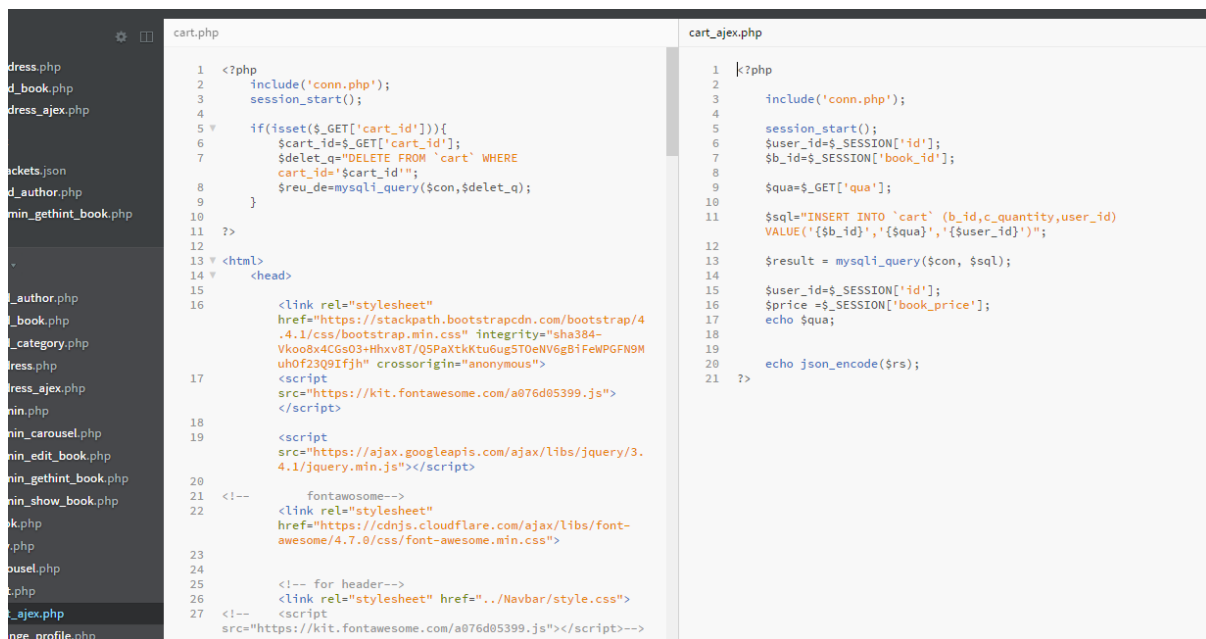
We used online hosting platform to implement this website. Our website has minimum requirement shared hosting plan because still our crowd is low.

```
1 <?php
2 include('conn.php');
3 session_start();
4
5 if(!isset($_SESSION['id'])){
6     header("location:login.php");
7 }
8
9 $saltScs="none";
10 $saltReq="none";
11
12 if(isset($_POST['b_id'])){
13     $b_id=$_POST['b_id'];
14     $b_na=$_POST['b_name'];
15 }else{
16     $b_id="";
17     $b_na="";
18 }
19
20 if(isset($_POST['submit'])){
21     $b_id=mysqli_real_escape_string($con,$_POST['b_id']);
22     $b_name=mysqli_real_escape_string($con,$_POST['b_name']);
23     $a_id=mysqli_real_escape_string($con,$_POST['a_name']);
24     $price=mysqli_real_escape_string($con,$_POST['price']);
25     $q=mysqli_real_escape_string($con,$_POST['q']);
26     $desc=mysqli_real_escape_string($con,$_POST['desc']);
27     $year=$_POST['year'];
28     $type=$_POST['type'];
29     $lan=$_POST['lan'];
30     $b_query="SELECT * FROM 'book' WHERE b_id='".$b_id"."'";
31     $b_result=mysqli_query($con,$b_query);
```

```
1 <?php
2 include('conn.php');
3 session_start();
4
5 if(!isset($_SESSION['id'])){
6     header("location:login.php");
7 }
8
9 $saltScs="none";
10 $saltReq="none";
11 $sty="none";
12
13 if(isset($_POST['submit'])){
14     $a_name=mysqli_real_escape_string($con,$_POST['name']);
15     $query="SELECT * FROM 'author' WHERE a_name='".$a_name"."'";
16     $re=mysqli_query($con,$query);
17
18 if($re){
19     if(mysqli_num_rows($re)>1){
20         $sty="block";
21     }else{
22         $a_query="INSERT INTO 'author' (a_name)
23         VALUES('".$a_name.")";
24         $a_result=mysqli_query($con,$a_query);
25
26 if($a_result){
27     $saltScs="block";
28     $saltReq="none";
29 }else{
30     $saltScs="none";
31     $saltReq="block";
32 }
33 }
34 }
35
36 }
37
38 /*delete author*****
39 if(isset($_GET['id'])){
40     $delata="DELETE FROM 'author' WHERE a_id=".$_GET['id']."";
```

```
1 <?php
2 include('conn.php');
3 session_start();
4 $name=$_GET['name'];
5
6 $query="SELECT * FROM 'address' WHERE name LIKE '$name'";
7 $result=mysqli_query($con,$query);
8
9 if($result){
10     $rcode=mysqli_fetch_assoc($result);
11
12     echo $rcode['name'].",<br>".$rcode['address_1'].",<br>".$rcode['address_2'].",<br>".$rcode['city'].",<br>".$rcode['postal_code'].",<br>".$rcode['Province'].",<br>".$rcode['ad_number'];
13 }
14
15 }
16
17
18
19 ?>
```

```
1 <?php
2 <head>
3 <style>
4 td{
5     border-bottom: 1px solid black;
6 }
7 </style>
8 </head>
9 <?php
10 include('conn.php');
11 $name=$_GET['q'];
12
13 $sql="SELECT * FROM 'book' b, 'author' a WHERE b.b_author_id=a.a_id
14 AND (b_name LIKE '%$name%' OR a.a_name LIKE '%$name%' or b.b_id LIKE '%$name%')";
15 $result=mysqli_query($con,$sql);
16
17 echo "<table>";
18 if($result){
19     while($rcode=mysqli_fetch_assoc($result)){
20         $bna="<td style='padding:5px;'>a href='\"admin_show_book.php?id=$rcode[b_id]\"' style='text-decoration:none;font-size:16px;color:black;'>$rcode[b_id] $rcode[b_name] - $rcode[a_name]</a></td></tr>";
21     }
22 }
23
24 ?>
```



## Technical Design

We used cloud system for works on project for all members easily because of that all the members can work on this by accessing same database.

Used Technologies for design website: HTML, PHP, Java Script, MySQL, CSS, Ajax, bootstrap

## Post implementation

According to progress of this site we should increase system bandwidth and database. Our main target is to improve advertisement system than existing way. Next we will be adding new categories according to user requirements.

## 7.2 Testing

The system testing done included the testing of the following items:

1. Functionality of the entire system as a whole.
2. User Interface of the system.
3. Verification and validation testing

The steps involved during system testing are as follows:

1. Integration of all the modules/forms in the system.
2. Preparation of the possible test data with all the validation checks.
3. Actual testing done manually.
4. Recording of all the reproduced errors.
5. Modifications done for the errors found during testing.

## 7.3 Conclusion

BookCafe is an online book purchasing and delivery system. This system includes ordering via online, online paying and online delivering methods. This is focus on the items which people are using in day to day life. The main thing is this is a sole proprietorship.

Currently, there are so many people with different needs and wants. Most of the people are busier with their day today life. There for people cannot visit time to buy books because lack of time. Mainly we are aiming to reduce time consuming of the busier people. Not only that it saves manpower of people. Therefore our main target customers are busy people in this commercialized world.

This system has more special things when comparing their competitors. Some of them are fast delivery system, online web site, online paying, loyalty card and point system and vehicles and drivers.

We are communicating with customers always because we are updating our system according to their requirements. We Planed to get their valuable feedback from different ways. They are,

- Feedback Form
- Ship free sample after answering our questions
- Contact information on website
- Advertising
- SMS Promotions system

## 7.4 Future plans

- We are planning to situate island wide branches, island wide speed delivery system and our own stores for stock items.
- Our main target is to introduce drone technology for our business in next step. (for restricted areas)
- Our own island wide delivery system can deliver in a short time period.
- We hope to provide our service worldwide.