Project Report

"Bookstore Management System"

in partial fulfillment for the award of degree of

BACHELOR
OF
COMPUTER SCIENCE & ENGENEERING

Submitted by

YASH GUPTA (B.Tech, Sem-6, Roll NO:201500817)

ABHISHEK KUMAR SHARMA (B.Tech, Sem-6, Roll NO: 201500021)

KRISHNA SARASWAT(B.Tech, Sem-6, Roll NO: 201500353)

Guided by

DR. VIKAS KUMAR.

Assistant Professor

GlA University of Computer Science-Mathura

April – 2023

Gla University of Computer Science Mathura.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the Student **Yash Gupta** and **Abhishek Kumar Sharma** and **Krishna Saraswat** of Gla University of Computer Science Mathura has satisfactorily completed his Project **BOOKSTORE MANAGEMENT SYSTEM** during the period April 2023 in the partial fulfillment of the Students.

Name & Signature of Project Guide: **Signature and Seal of Department:**

ACKNOWLEGEMENT

We have taken efforts in this project. However, it would not have been possible without the kind support and help of our Faculties. We would like to extend my sincere thanks to all of them.

We are highly indebted to Gla University of Computer Science, Mathura for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

We would like to express my gratitude towards my parents & member of GLA for their kind co-operation and encouragement which help us in completion of this project. Last but not least, many thanks go to the head of the project, Dr.Vikas Kumar whose have invested his full effort in guiding the team in achieving the goal. We have to appreciate the guidance given by other supervisor as well as the panels especially in our project presentation that has improved our presentation skills thanks to their comment and advices.

We would like to express our special gratitude and thanks to all above mentioned people for giving us such attention and time. Our thanks and appreciations also go to our colleague in developing the project and people who have willingly helped us out with their abilities.

ABSTRACT

Bookstore Management System is basically used to build an web application program which help people to find and buy latest design of Books with different categories like Biography, Programming, Management, etc. It is useful in the way that it makes an easier way to buy Personal Bookstore.

Today most of the book shop is useful for shopping site. The admin have lots of paper work and they are using desktop, spread sheet like MS Excel application to manage data in soft copy about user record. In this proposed Bookstore System it will run in server and user can handle whole the registration activities.

This application maintains the centralized database so that any changes done at a location reflects immediately. This is an online tool so more than one user can login into system and use the tool simultaneously.

The aim of this application is to reduce the manual effort needed to manage transactions and historical data used in various gods owns. Also this application provides an interface to users to view the details And Design about Bookstore.

Table of Contents

Chapter 1

Introduction

Project Background

- This Software allows the Admin to store the book details and the customer details.

- Easier access to information like customer information and availability.

- Provide facility of storing data to reduce the paper work.

- In Bookstore Management System Users can by a book and Admin shows their name and other background of the user.

- A new idea about Project how Bookstore Management System works.
  For make a system computerized.

1.1 Objectives of Project

- To reduce the paper work.To make computerized system.

- Increase operational speed.Faster searching as well as accuracy.

- Large storage of data using database.

- Manual process of vehicle purchase and sales on finance and cash and generate reports of model wise, weekly, monthly ,annual progress is so difficult so this project make is easier.

- Speed and faster information retrieval.

1.3 Purpose of Project

- The main purpose of Book-store Management System is to focused on the solution of all the problems related to the paper work from the different reasons.

- It provides a facility to handle all the activities at one place. With the help of this application, admin can perform different kind of operations at the same time and place.

- Bookstore management System has an ability to keep the records safe related to Books.

- We provide the best service in our website or focuses on user choice. We will improve new feat user can easily understand and trust our system.

1.4 Scope of Project

- The intentions of the system are to reduce over-time pay and increase the number of records that can be treated accurately; Requirements statements in this document are both functional and non-functional.
- Correct and Accurate Searching that provides the result by applying search operation.
- Customers can book a book with just few clicks.
- Give flexibility admin to use database effectively and utilize the word, not pad and calculator Unambiguous and understandable by all level facilities effectively.
- Unambiguous and understandable by all level.

1.5 Applicability of Project:

- For customers who want to buy books at anywhere or anytime.
- Admin applicable for insert books, list of books.
- Database is used for store and fetch data from or to the database so both users and admin can fetch or read data.

2.1 Problem Statement

- Process is much time consuming

- Extra expense in paper work

- Large storage of data

- Manual process of Vehicle purchase and sales on finance and cash and generate reports of model wise, weekly, monthly, annual progress is so difficulties.

- In manual system it is tedious task to search a particular record later after.

- Increase the staff in test taken place and wasting of their precious time.

2.2 Requirement Specification

As per the System Requirements it contains two (2) Modules:

1) Admin

2) Client

Functionalities of Admin:

- This Module includes the mainly following tasks:

  ❖ Entry of Category.

  ❖ Category List.

  ❖ Add a New Book.

  ❖ View Book.

  ❖ View Message which Send by Client.

Functionalities of Client:

- This Module includes the mainly following tasks:

  ❖ View Books.

  ❖ Add books to Cart.

  ❖ Search Books.

  ❖ View or Add items in Cart.

2.3 Hardware requirement

- System type 32 bit Operating System.

- Windows 7/8/8.1/10

- Linux Ubuntu / Light ubuntu

- Mac OS

- 350MB RAM

2.4 Software Requirement

- Wamp Server
- MySQL
- Browser
- PHPMyAdmin

Client Side Tools

- **Processor :** PC with a Dual core processor or above isϖ Recommended: 2.20 GHz processor.

- **RAM :** 512 MB or onwards Recommended.

- **Hard Disk :** 45 MB of available space required on system drive of available or more.

- **Operating System :** Windows or open source 32/64 bit operating system, or later versions. Browser Mozilla Firefox 2.0 /Internet Explorer 8.0 Onwards / Googleϖ Chrome.

User Flow Diagram
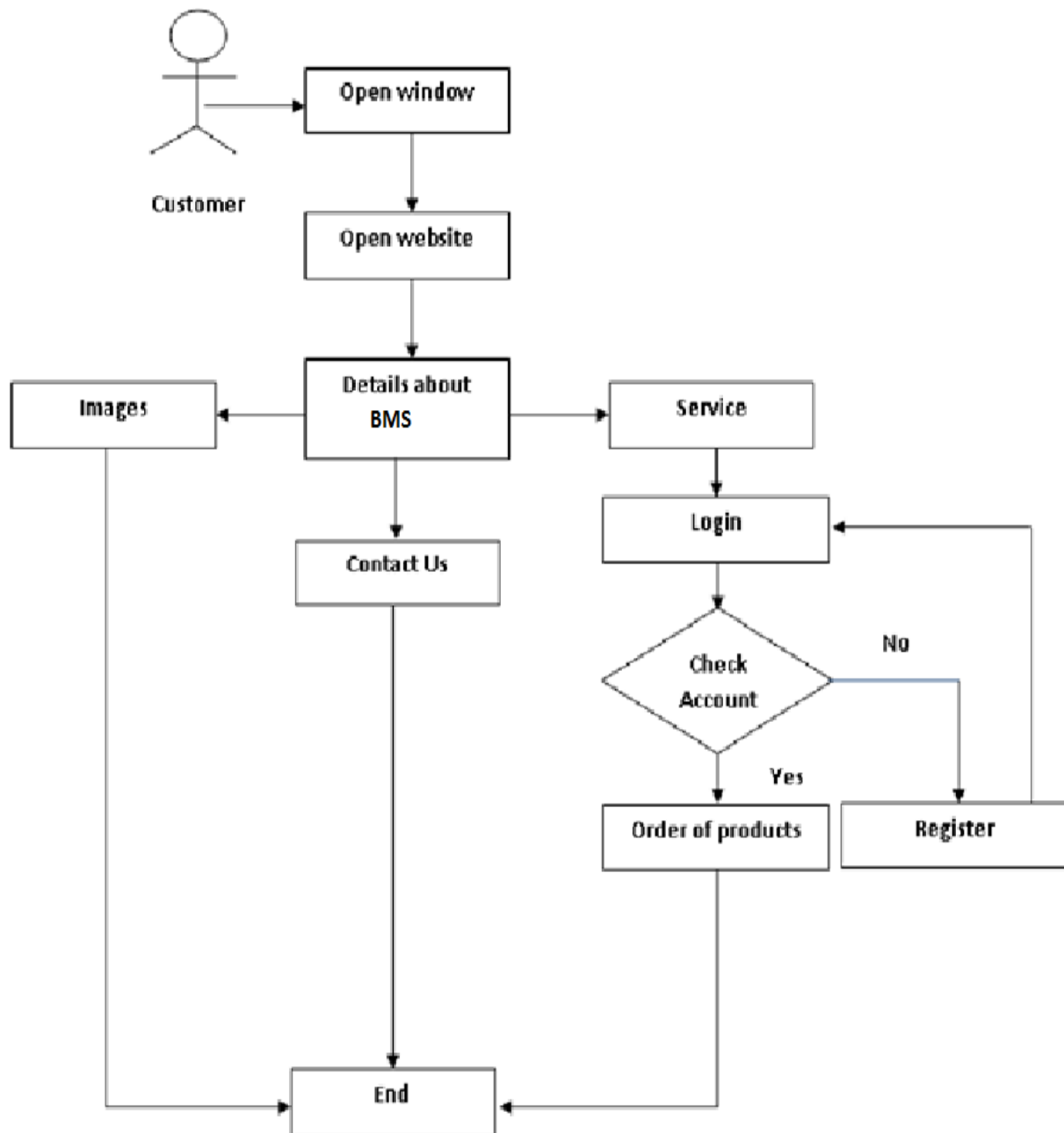
(Figure 7 : User Flow Diagram)

- **User Use Case Diagram**
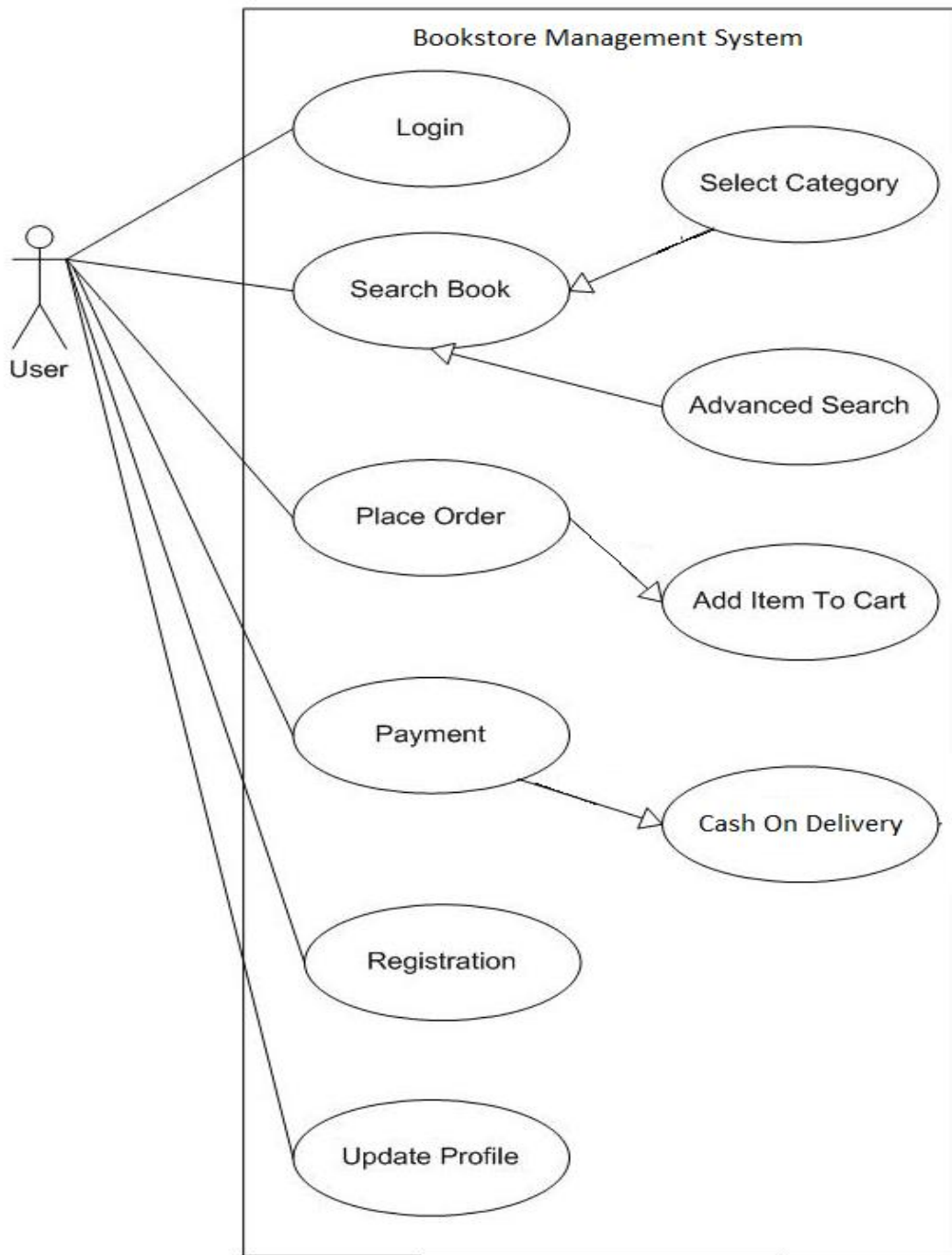
(Figure 9 : User Use Case Diagram)

- **BMS Use Case Diagram**
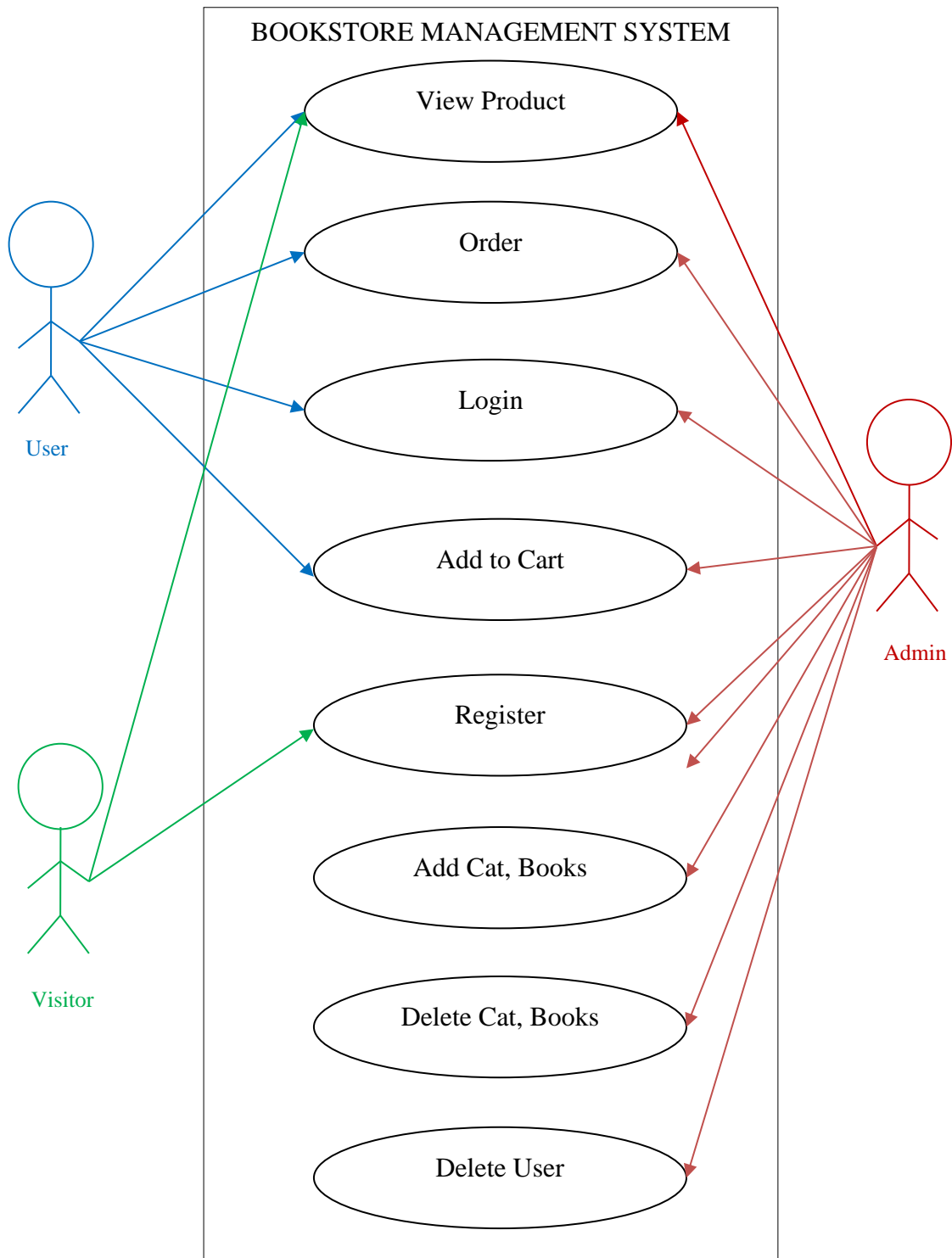
(Figure 10 : BMS Use Case Diagram)

User Activity Diagram
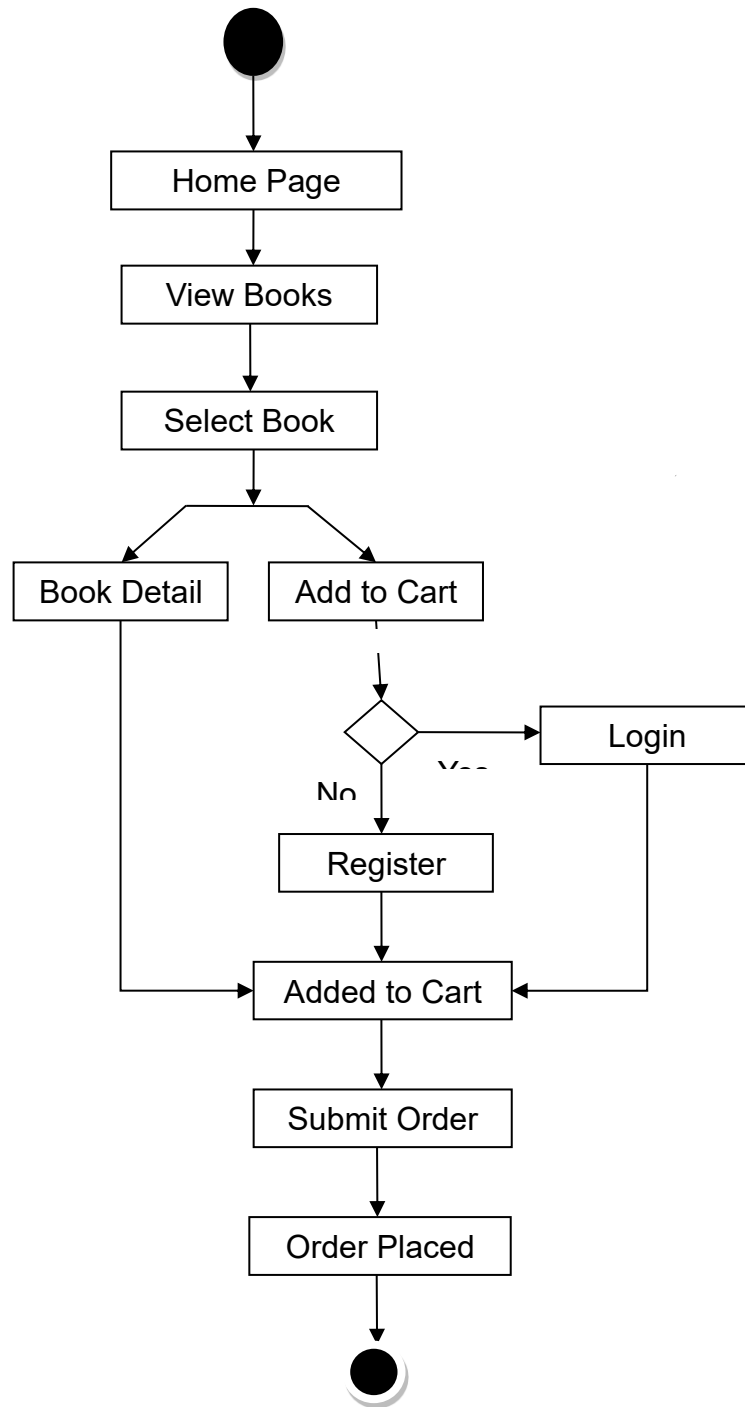
(Figure 12 : User Activity Diagram

- ## **E-R Diagram for Bookstore Management System**
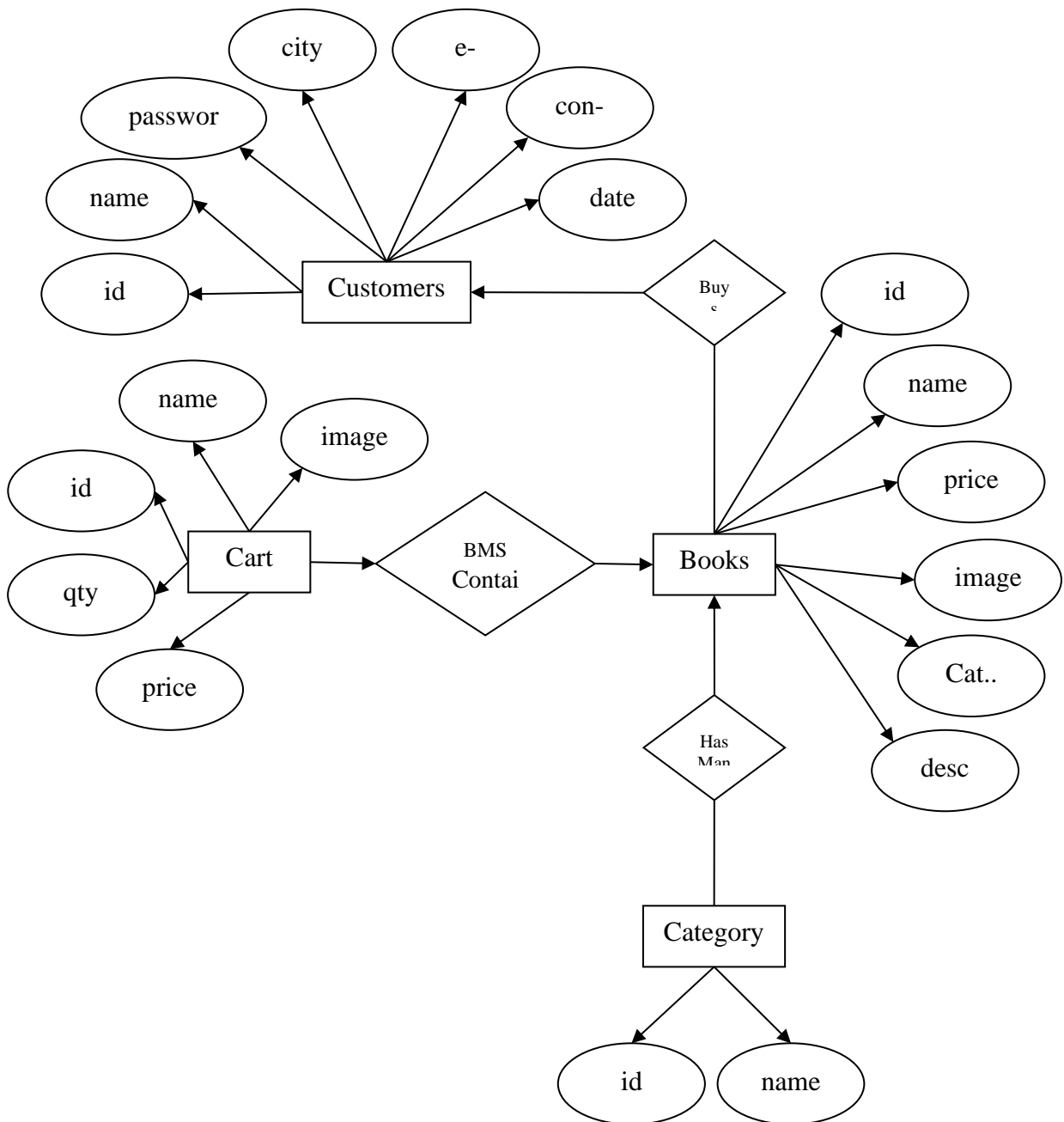
(Figure 15 : E-R Diagram for Bookstore Management System)

3.2 Data Dictionary

- **Database Design & Structure Design**

Various tables used in the System are as follows:

1. Admin
2. Book
3. Category
4. Contact
5. Register
6. Order

Detail of all the tables with its all the fields are as below:

1. **Table Name :** Admin

   Primary Key : a_id

   Description : For store Admin login Detail.

Field	Type	Description
A_id	int(4)	Used to Store Admin ID
A_unm	Varchar(3)	Used to Store Username of Admin
A_pwd	Varchar(30)	Used to Store Password of Admin

2. **Table Name :** Book

    Primary Key : b_id

    Description : Store Book Details.

Field	Type	Description
B_id	Int(10)	Used to Store Book ID
B_nm	Varchar(50)	Used to Store Book Name
B_cat	Int(6)	Used to Select or Store the Book ID of Different Categories
B_desc	Longtext	Used to Store The Description of The Book in Large Amount Data
B_price	Int(4)	Used to Store the Price of Book
B_img	Varchar(50)	Used to Store the Image Name of Book
B_time	Int(20)	Used to store the Time of Inserted book

3. **Table Name :** Category

    Primary Key : cat_id

    Description : Store Category Names.

Field	Type	Description
Cat_id	Int(10)	Used to Store the Category ID
Cat_nm	Varchar(50)	Used to Store the Category Name

3.3 Input/Output Design

1. **Home Page**

Home Page of BMS without logged in User.
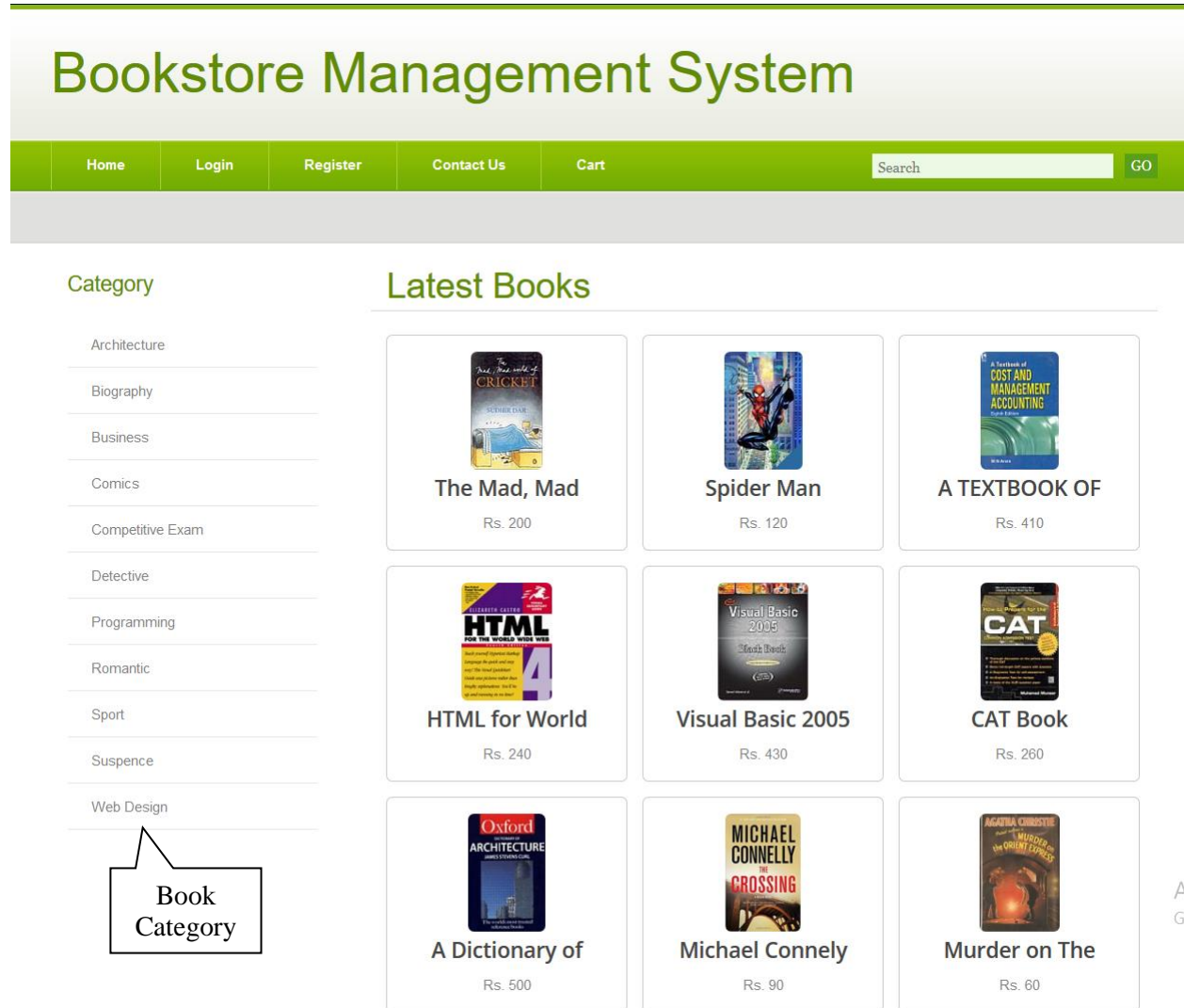
(Figure 16 : BMS Home Page)

2. Selected Category

Detective Category is selected.

Shows the Books of Detective Category.
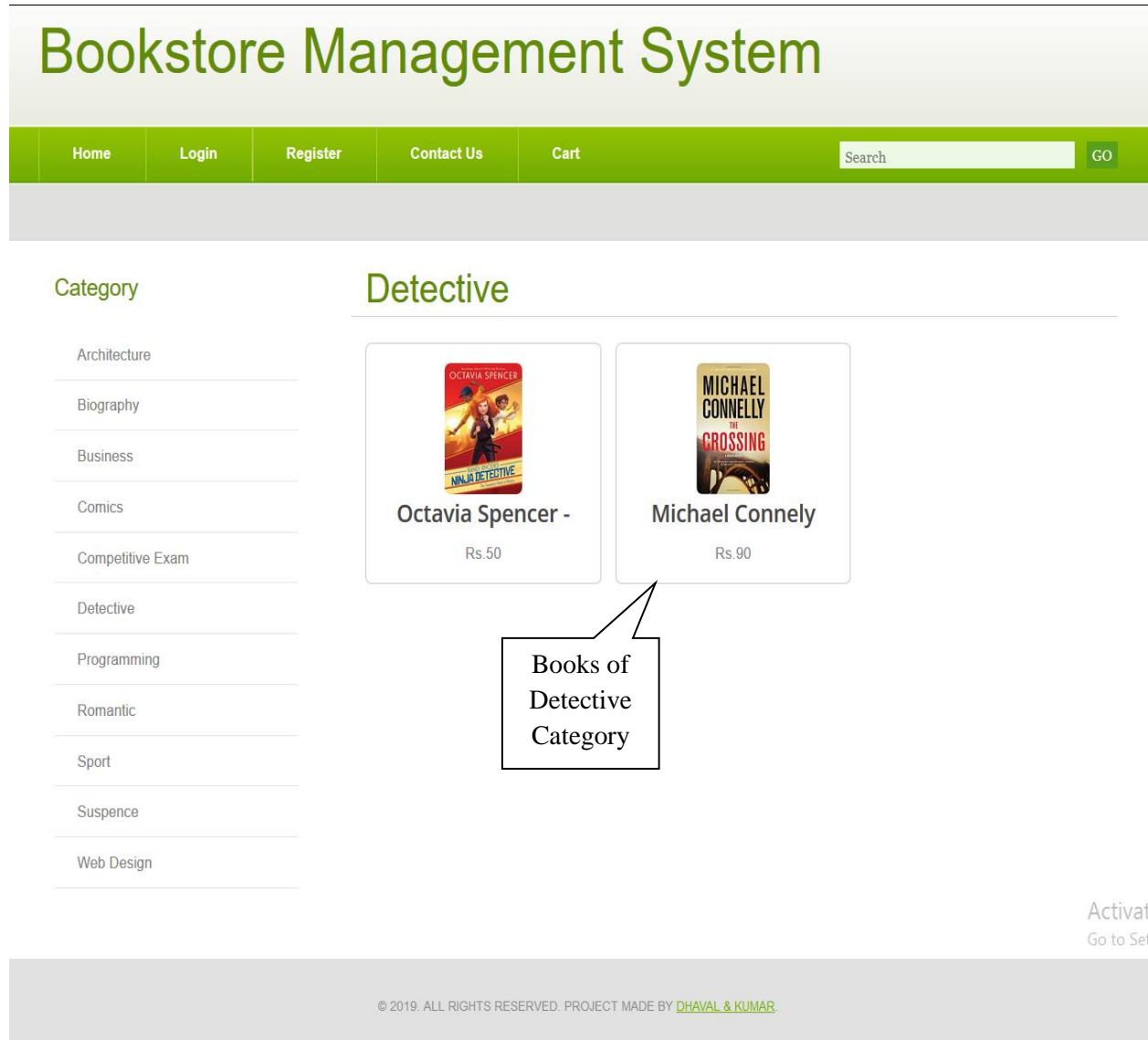
(Figure 17 : BMS Selected Category)

3. Book Details (Before Login)

Book Detail for Visitors.

Visitors Can't add Books to Add to Cart.

(Figure 18 : BMS Book Details)

4. Visitor Login Page

Login Page for Viewers.

(Figure 19 : BMS Login Page)

5. Register Page

Register Page for Viewers.

Category

Architecture

Biography

Business

Comics

Competitive Exam

Detective

Programming

Romantic

Sport

Suspence

Web Design

User Registration

Full Name :

User Name :

Password :

Confirm Password :

E-Mail :

Contact No :

Security Question :

Which is your Favourite Movie ?

Security Answer :

Register

Already Account - Login

6.Contact Us Page

(Figure 21 : BMS Contact Us Page)

6. Cart Page

(Figure 22 : BMS Cart Page Viewers)

7. Home Page (Logged In)

Automatically Navigation Bar Changed.

User Can Log Out.

(Figure 24 : BMS Logged in Page)

8. **Book Details (Logged In)**

Users can Add Book To Add to cart.

Removed Sign in Link.

(Figure 25 : BMS Users Book Details)

9. Add to Cart (Logged In)

Users Can add books to add to cart.

Details of books and price.

Click Recalculate to Qty, Rate and Total will Calculate.

Users can order Books.
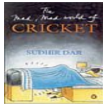
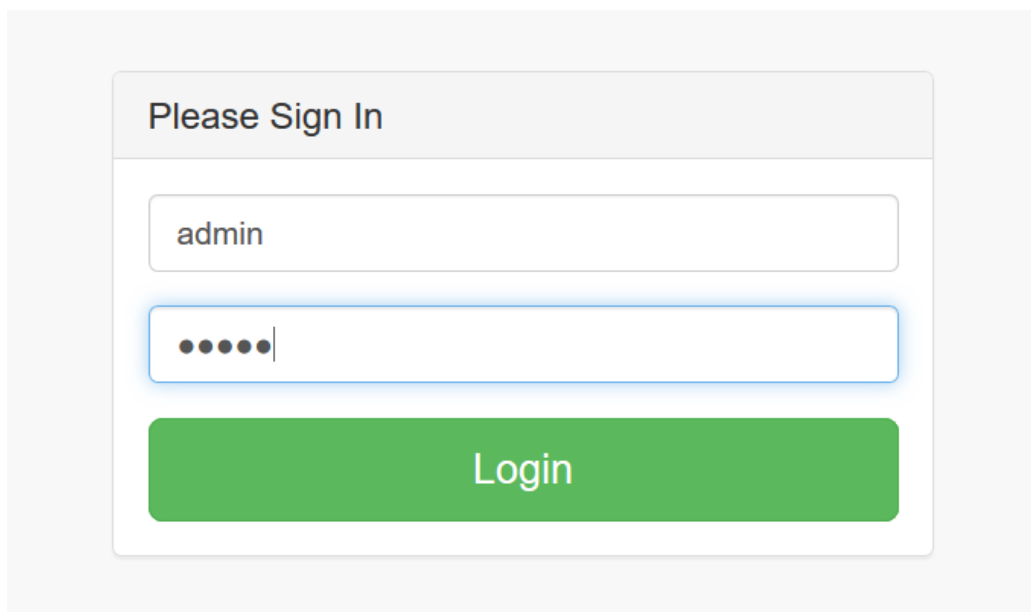(Figure 26 : BMS Users Cart Page)

10. Search Books

Book Search Feature.
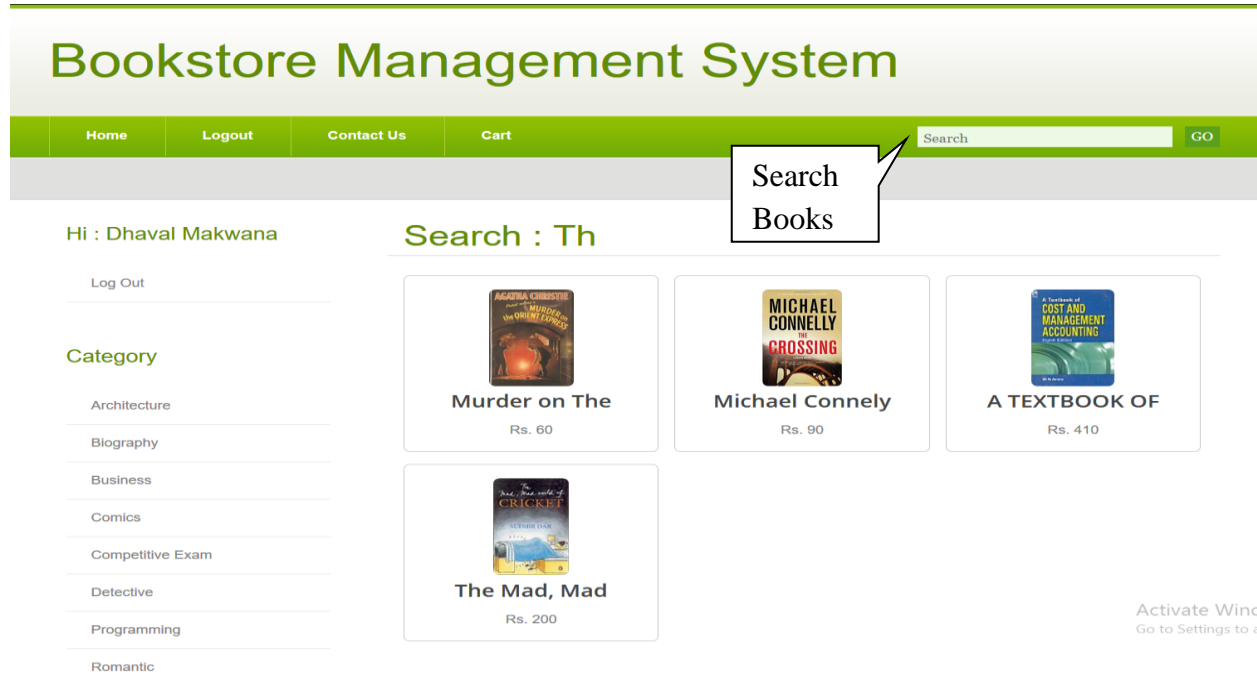
(Figure 27 : BMS Search Books)

11. Admin Login Page (New Template)

(Figure 28 : BMS Admin Login page)

12. Admin Home Page

New Template.
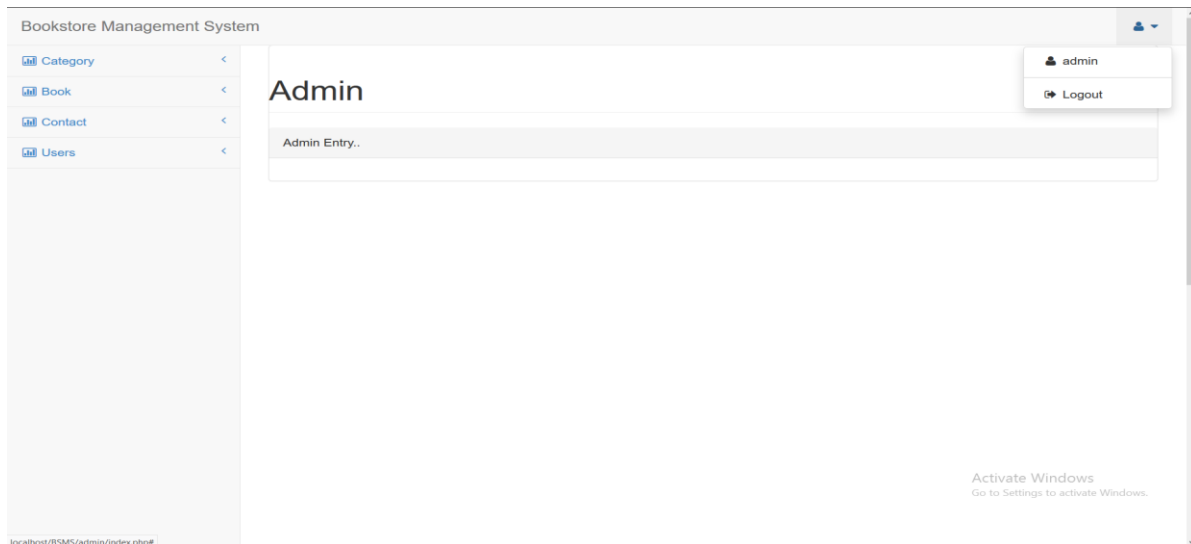
(Figure 29 : BMS Admin Home Page)

13. Add Category (Admin)

(Figure 30 : BMS Add New Category)

14. View Category

List of Books.

(Figure 31 : BMS View Category)

15. Add Books

(Figure 32 : BMS Add New Books)

16. View Books

List Books for Admin.

(Figure 33 : BMS View Books)

17. Users List

(Figure 35 : BMS Users List)

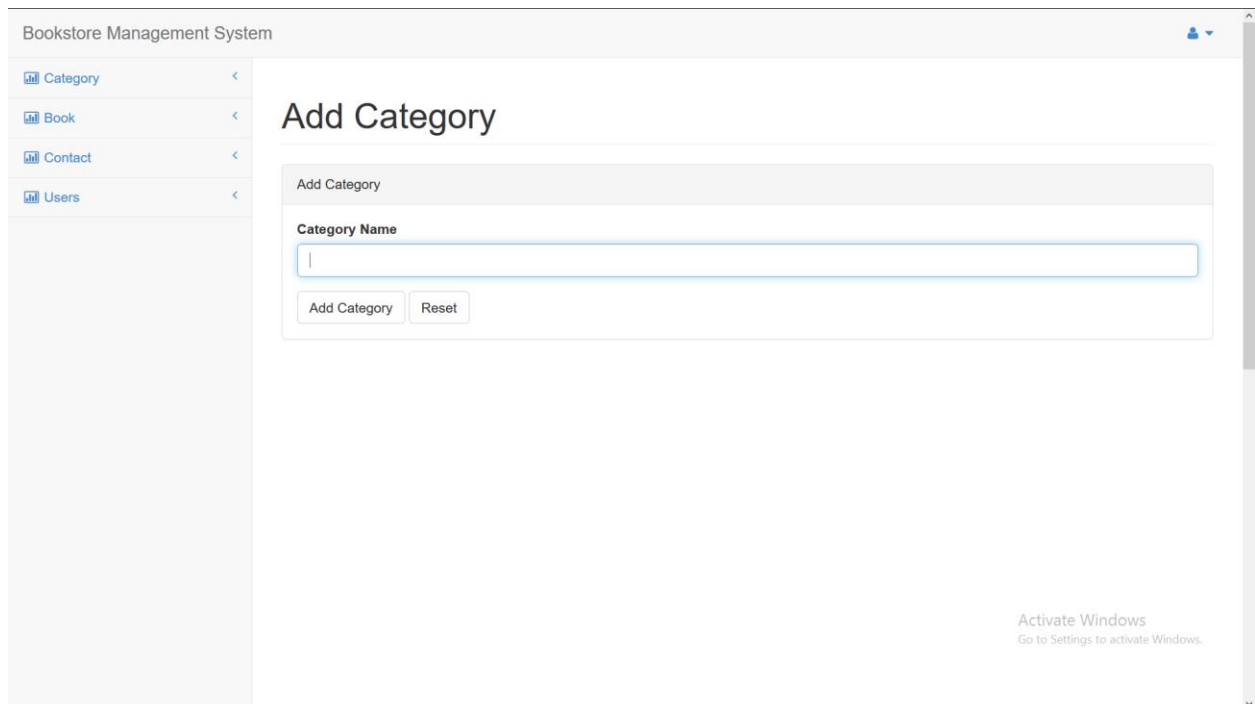**Forget Password**

Category

Architecture

Biography

Business

Comics

Competitive Exam

Detective

Programming

Romantic

Sport

Suspence

Web Design

Forget Password

User Name :

Security Question :

Which is your Favourite Movie ?

Security Answer :

New Password :

Confirm New Password :

Change Password

(Figure 36 : BMS Forget Password Page)

4.2 Test Cases

4.2.1 Admin Login Detail

Username	Admin	Password	Admin
Expected Result : • If fields empty then gives a error for fill up fields • If password or username does not exist then gives error for valid detail.			

4.2.2 Login Detail

Username	Dhaval	Password	Dhaval
Expected Result : • If fields empty then gives a error for fill up fields • If password or username does not exist then gives error for valid detail.			

4.2.3 Registration Details

Username	EMPTY	Password	EMPTY
Full Name	EMPTY	Security Answer	EMPTY
Expected Result : • If fields empty then gives a error for fill up fields • If password or username does not exist then gives error for valid detail. • If password is < 8 characters then it will gives error.			

4.2.4 Order Details

Full Name	Address	Contact Number	EMPTY
Expected Result : • If fields empty then gives a error for fill up fields • If contact number is not Numeric then gives error			

Screen-Shots

1. **User Login**

Login

User Name :

Password :

Wrong Username or Password

Login	Admin Login

Forget Password ?   **Register**

2. **Admin Login**

Please Sign In

User Name

Password

Wrong User Name or Password

Login

(Figure 40 : Text Cases 2)

3. **Add Book**

Description

Price

Enter Book Price

Book Image

wrong file type

Browse... No file selected.

Add Book   Reset

Activate Windows
Go to Settings to activate Window

(Figure 41 : Text Cases 3)

4. User Registration

User Registration

Full Name :

Please enter Full Name

User Name :

Please enter User Name

Password :

Please enter Password

Confirm Password :

E-Mail :

Contact No :

Security Question :

Which is your Favourite Movie ?

Security Answer :

Please Enter Security Answer

Register

(Figure 42 : Text Cases 4)

5.1 Limitation of system

- Help

    Currently the help feature is not available. Using this functionality user can get help about the system.

- Payment

    Currently the feature of online payment is not available. User cannot give payment online.

- Multilingual

    Multilingual is not supported in our system. Therefore user cannot work in different languages.

- Backup & Recovery:

    User cannot take the backup or recover the data in this the system.

- Many More Others.

5.2 Future Scope of the System

- Help module

    Using this module user can get help on how to access the system. All functionalities of system are described in this module. And user can easily access the entire module using this feature.

- Online payment module

    User can do their payment online using this functionality. In future we will add the online payment for make payment easier for the user.

- Multilingual

    In this system we will add the multilingual therefore user can work in different languages and understand easily.

5.3 Bibliography

Websites Used

- o www.google.com

- o www.w3cschools.com

- o www.stackoverflow.com

- o www.quora.com

- o www.Scribd.com

Apps Used

- Youtube

- Solo Learn

- Udemy..