COMSATS University Islamabad,

Abbottabad Campus

**Department of Computer Science**

**<Online Book Store>**

**CSC392 Object Oriented Software Engineering**

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# Chapter 1 Project Proposal

**Note**: Each Group member will have to participate in writing and reviewing.

## Introduction

The main objective of the project is to create an online book store that allows users to search and purchase a book online based on title, author and subject. The user can order their books online through credit card payments or other payment methods.

Using this application, the user can purchase a book online instead of going out to a book store and wasting time. There are many online book stores like Powell’s, Amazon which were designed using Html.

Online Book store is an online application where the customer can purchase books online. The customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using credit card transaction. The user can login using his account details or new customers can set up an account very quickly. They should give the details of their name, contact number and shipping address. The user can also give feedback to a book by giving ratings on a score of five.

The books are divided into many categories based on subject like Fiction Stories, Fairy Tales, English, Architecture etc. The Online Book Store application provides customers with online shopping. A customer can, create, sign in to his account, place items into a shopping cart and purchase using his credit card details.

The Administrator will have additional functionalities when compared to the common user. He can add, delete and update the book details, book categories, member information and also confirm a placed order.

## Vision and Business Case

This project is proposed after discussion and in need of a solution that peoples go to book shops and due to traffic and pollution it consumes so much of their time. We have come up with an idea where peoples will buy online books and will read them in their devices we will also provide home deliveries afterward. The goal for this project is to built a platform where peoples will buy books they like and the sellers on the other hand or shopkeepers will add books on the website to ship the book to their customers.

## 

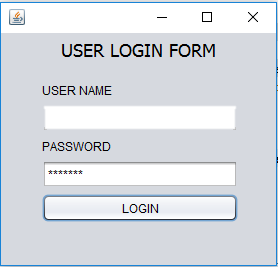
# Chapter 2 Project Prototypes

In this chapter you are supposed to divide your project in different modules and then provide the relevant screens URLs in this chapter. Each URL should point to your cloud storage saved images.

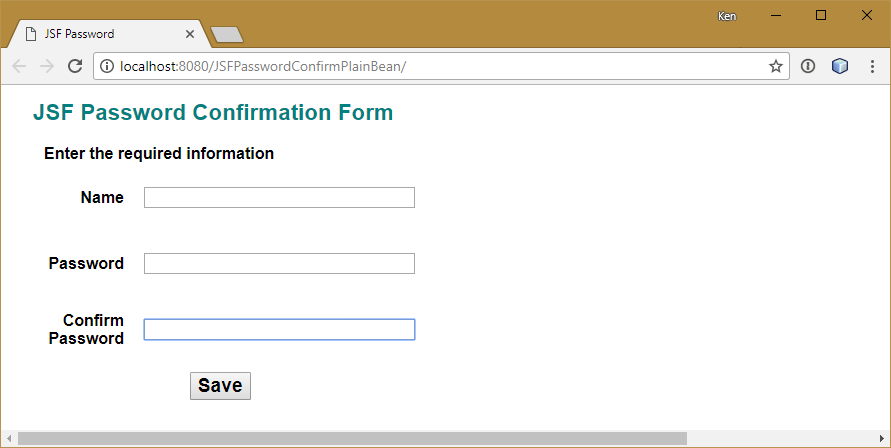
### Registration

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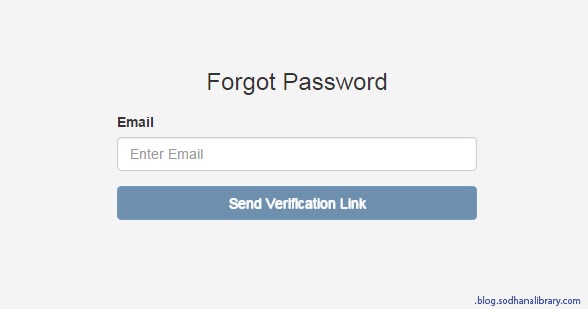
### Login



### Change Password

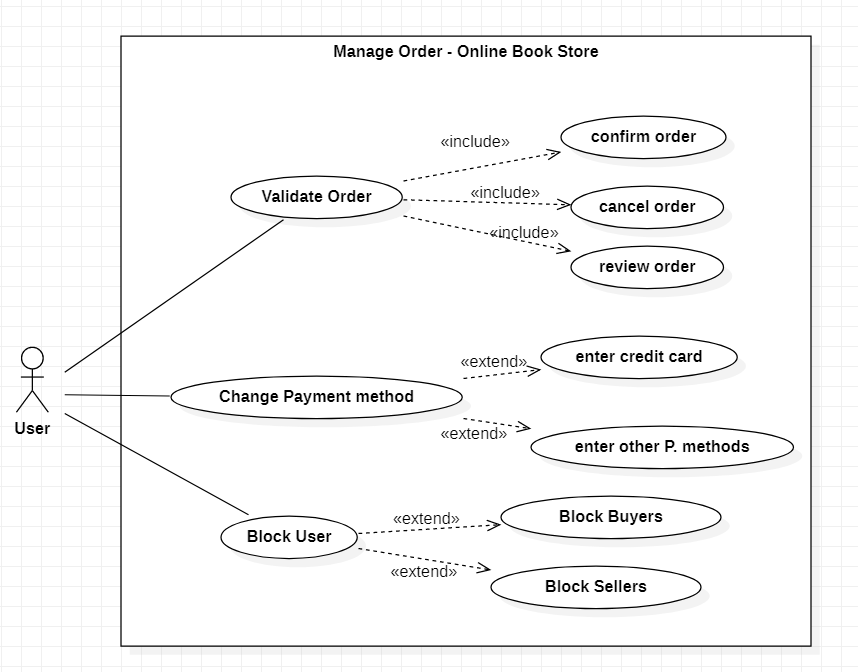


### Forgot Password



**Online Book Store**

**Use Case Diagram: Abdur Rehman**

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**Brief Level Points: Abdur Rehman**

Manage Order

**Brief Case:**

The buyer will search the book and will put it in the cart, then he will make a purchase and the admin will validate the payment details, if the payments details are not correct, the order will go into pending and system will notify the user to replace his/her order.

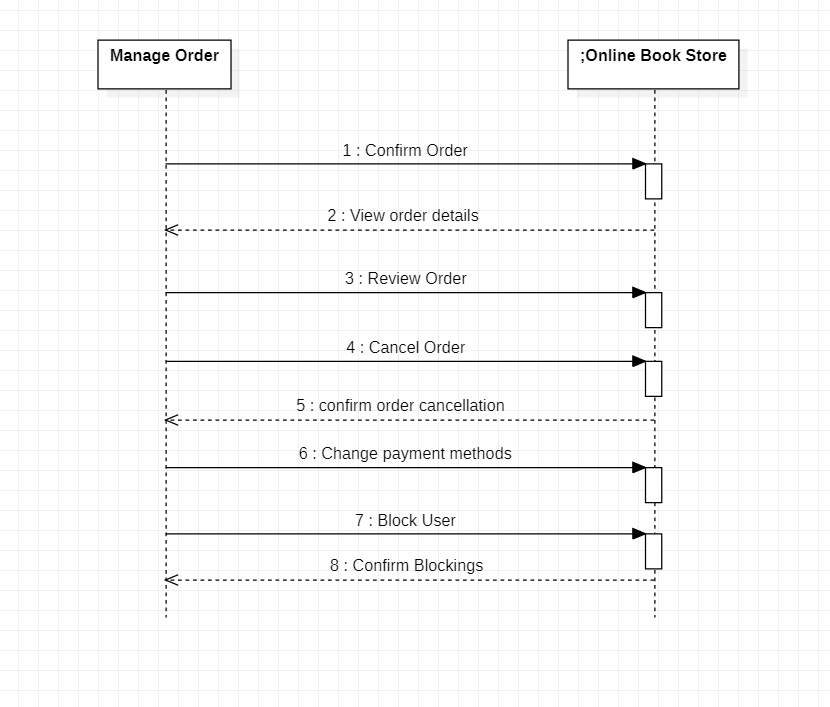
**Fully Dressed Use Case: Abdur Rehman**

|  |  |
| --- | --- |
| Name | Manage Order |
| Scope | Online Book Store |
| Level | Main use case |
| Primary Actor | Buyer |
| Stakeholders and Interests | Buyer: want to place an order.  Seller: provide the order to buyers.  Admin: Manage accounts and other details of users. |
| Preconditions | The buyer will place an order and admin will pass it to the seller, so he can provide the buyer his books. |
| Postconditions | After buyer place an order the admin will make sure to review provided details by buyer and will notify seller. |
| Main Success Scenario | Buyer places an order and admin will validate the order if all the details are correct or not. |
| Extensions | If the provided details are correct, the deal will continue or else order will be cancelled. |
| Special Requirements | Security, Reliability, Data Integrity, Availability. |
| Variations in Technology and Data | step number: possible change in technology or data format |
| Frequency of Occurrence | Continues |
| Miscellaneous | Who can join the app?  Which sellers will be allowed to sell?  What will be the stock availability? |

**Domain Model:**

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**System Sequential Diagram: Abdur Rehman**

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**Operation Contracts: Abdur Rehman**

|  |  |
| --- | --- |
| **Operation** | validateOrder, ChangePaymentMethod, BlockUser |
| **Cross References** | Use Case: Manage Order |
| **Preconditions:** | The buyer places an order. |
| **Postconditions:** | The admin will validate the details of buyer and the payment details, if they are correct the admin will pass the order to seller and the deal will go forward. |

Uzair