

Software Requirements Specification

for

Online book store

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Chapter 1

Introduction

e-Commerce, also known as e-Business, or electronic business, is simply the sale and purchase of services and goods over an electronic medium, like the Internet. It also involves electronically transferring data and funds between two or more parties. Simply put, it is online shopping as we commonly know it. Our project is online book store which is an e-commerce site for buying and selling books online.

1.1 Purpose

e-commerce sites made shopping so convenient and easy, that anyone can shop for anything right from a living room, with just a few clicks. This has evolved more with the emergence of smartphones, where now, people can shop from anywhere and anytime, with a wireless device connected to the Internet. The purpose of this project is to enable a person to buy and sell books online which makes the process easier and convenient.

1.2 Intended Audience

The intended audiences of this site are users who can operate an wireless device and not willing to visit stores physically. Also the developers and administrators of the site. The writers of the books are also audiences here.

1.3 Intended Use

The intended use of this site for the users would be to search and see the reviews of new released books in the market and buy it. Writers of the existing books also can see the reviews of their books given by users. people also can sell their old books here.

1.4 Product Scope

Online book store Management System is basically updating the book store system into a internet-based application so that the users can know the details of their accounts, availability of books and prices for buying or selling the book. The project is specifically designed for the use of librarians, students, normal users and library users. The product will work as a complete user interface based on online.

1.5 Risk Definition

The site can down sometimes due to extreme access request at the same time. Also people who will use online payment system can face problem due to security issue. Also a person has to provide personal information to open an account. It is also considered as security issue.

Chapter 2

Overall Description

We are going to build an Online book store where people will be able to buy and sell their books. They can see the reviews of the books and and buy books based on it. They can sell their old books as well.I they can not find a book they can preorder it.Also they can pay online or can choose cash on delivery. The writers of the books can see the feedback on the books from their readers.

2.1 User Classes and Characteristics

Students are among the users.They can order and buy their academic books here. Also people who loves to read books are also categorized among the users. Also there are users who may be does not want to buy book but look for review or content of a particular book.

2.2 User Needs

The basic needs of an online customer are the foremost, functional components that they come across when they land on the site to shop. The use cases we'll be working through, and the classes we'll discover, exist to satisfy certain requirements that our client (the owner of the bookstore we're going to build) has specified. These requirements include the following:

- The bookstore shall accept orders over the Internet.
- The bookstore shall maintain a list of accounts for up to 1,000,000 customers.
- The bookstore shall provide password protection for all accounts.
- The bookstore shall provide the ability to search the master book catalog.
- The bookstore shall provide a number of search methods on that catalog, including search by author, search by title, search by ISBN number, and search by keyword.
- The bookstore shall provide a secure means of allowing customers to pay by credit card.
- The bookstore shall provide a secure means of allowing customers to pay via purchase order.

2.3 Operating Environment

The online book store management system is a website and shall operate in all famous browsers ,for a model we are taking Microsoft internet explorer ,google chrome ,mozzilla firefox with flash player and java script ,trello board,slack, git hub bucket.

2.4 Constraints

The information of all users, books and libraries must be stored in a database that is accessible by the website. MS SQL Server will be used as SQL engine and database. The Online book store will be running 24 hours a day. Users may access from any computer that has Internet browsing capabilities and an Internet connection. Users must have their correct usernames and passwords to enter into their online accounts and do actions.

2.5 Assumptions

The product needs the following third party products.
Microsoft SQL server to store the database.
ASP.net to develop the Product

Chapter 3

Requirements

3.1 Functional Requirements

Sign up: This action is done to open a new account

Sign in: This action is done to log in to the account.

Insert book/Delete books/modify books: This action is done to add new book to the book collection and delete an existing book or modify its information.

Search book: user can search book based on different category.

Order book: User can check availability and order their desired book.

Review book: users can give feedback on books.

Payment method: Users can pay online or cash on delivery.

Pre order: user can request for pre order if the book is not available. Suggestion: Users can see suggestions about books.

3.2 Non Functional Requirements

Error handling: The online book store shall handle expected and non-expected errors in ways that prevent loss in information and long downtime period. Performance Requirements

The system shall accommodate high number of books and users without any fault.

System use shall not cause any harm to human users

Security Requirements: System will use secured database

Normal users can just read information but they cannot edit or modify anything except their personal and some other information.

System will have different types of users and every user has access constraints

3.3 User story

1. Front of the card: As an administrator, I want users to have an account in the bookstore so that they can purchase books.

Back of the card:

1. Sign up successfully.

2. Email not found.

3. Show "User Name not available" if the user name already exists .

4. Show "Password doesn't match" if the password does not match with the confirm password.

2.Front of the card:As an administrator, I want to check validity of users so that they can successfully login.

Back of the card:

- 1.Valid user logged in and go to home page.
- 2.“Remember me” ticked – store cookie/automatic login next time
3. “Remember me” not ticked – force login next time.
4. Display message: a. “Email address in wrong format”
5. “Incorrect user name, please try again”
6. “Incorrect password, please try again”
7. “Service unavailable – please try again later”
8. “Account has expired – refer to account renewal
- 9."verify email id" if the user logs in after a long period of time.

3.Front of the card:As an administrator , I want to be able to insert books so that they can purchase books .

Back of the card: 1.Successfully add books.

2.Successfully modified the amount of books

3.Successfully delete books

4.Display message:Books not available if book not found to modify.

4.Front of the card:

As a User, I want to be able to search for books, so that I can purchase them.

Back of the card:

- 1.Search books with book name.
- 2.Search books with writers name.
- 3.Search books with book genre.
- 4.Search books with book edition.
- 5.Show "Book not available" if the book is unavailable.
6. Show "This writers book not available" if the database does not have the book of the particular writer.
- 7.Show "This genre not available" if the genre is not listed.
8. Show "This edition not available" if the particular edition of a book is not available.

5.Front of the card:

As a User, I want to be able to order books, so that I can read them.

Back of the card:

- 1.Check availability of a book.
- 2.Select number of books to purchase.
- 3.Add books to cart.
- 4.Able to see total amount.
- 5.Book not available.
- 6.Can Pre-order book if the book user wants is not available.

6.Front of the card:

As a User, I want to be able to review books, so that I can buy the book I like.

Back of the card:

- 1.Give review of a book.
- 2.See review of a book.
- 3.Show "No review available yet" if a does not have any review.

7.Front of the card:

As a User, I want to pay for the ordered books, so that I can buy them. Back of the card:

- 1.Pay online (paypal,bkash)
- 2.Cash on delivery.
- 3.Show "This payment method not available" if the payment method is not accepted.

8.Front of the card:

As a User, I want to get suggestions for books , so that I can explore new books.

Back of the card:

- 1.See top suggestions according to most searched books.
- 2.See review of those books.
- 3.Show "No suggestion available" if there is nothing to suggest to that user.