

Software Requirements Specification
For
Online Book Shop

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Revision History

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Chapter 1

Introduction

Online Book shop is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using various payment gateway. 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 books are divided into many categories based on subject Like Software, Database, English, Architecture etc.

1.1 Purpose

To create a "Online Book-Shop" Web Application that provides the ability to handle online book shop, order book, find books, buy books.

1.2 Intended Audience

- Developers
- Project Testers
- Marketing Department

1.3 Intended Use

- **Developers:**
Developers can use this SRS to easily understand what's the project about, which part they should focus more, which part to improve, find if there is any scope to add new features or function for any upgrade.
- **Project Testers:**
Testers can use this SRS to test the software as per requirements. This will make the testing more organized as from SRS testers can easily get the idea where to look and what error or bug they should be looking for.

- **Marketing Department:**

Marketing department can use this SRS to get an idea about what they are going to promote and what are the features of this project and how this features will help the clients or users.

1.4 Product Scope

Basically this website is for online book shop. This is a completely website that we will build from scratch which will contain some features.

Benefits of this website:

- user can register, sign in, sign out
- view book Description
- view book categories
- user add to Cart
- Search book
- View Order Details
- payment gateway(rocket, bkash, visa and master card)
- review system
- rating system
- order tracking

Objective of our website is to:

1. Give online book service to the user all over the city.

Goals:

1. Our goal is to service the user through online book service.
2. We are providing online service so that user can take instant order book from home.

1.5 Risk Definition

1. For unstable network connection, conversation between User and web application can be disrupted.
2. Too many server request is not controllable for the server.
3. Too much user at a same time can cause server traffic.

Chapter 2

Overall Description:

We are going to build a website that will provide various kind of books to all the users in the city. Users can search their desired books and add them to cart them as well. They can edit the cart. From the cart they can purchase the book directly by paying through different payment gateway. There will be admin panel. Admin can maintain the shop. They can add or remove users as well.

2.1 User Classes and Characteristics:

This website helps the users who need books staying at their place. This website is user friendly so anyone can visit & use this website for their purpose. Users can search their desired books and add them to cart them as well. They can edit the cart. From the cart they can purchase the book directly by paying through different payment gateway.

2.2 User Needs:

.We will focus on what users need most. We will make it comfortable for both admin & user. User will feel easy using the web application.

2.3 Operating Environment:

Operating environment for the Online Book Shop is as listed below:

- Operating system: Any kind of OS which supports browsing.
- Database: Mysql.
- Platform: PHP, bootstrap Framework.

2.4 Constraints

- We have to develop the website in PHP language.
- The developed system must work in the client's operating environment, which is Windows.
- We have to finish the project within 2 months.

2.5 Assumptions

- Users can read and write English.
- Users have devices that support internet service.
- Users have internet connection.
- Users are familiar with web browsing and can interact with website.

Chapter 3

Requirements

3.1 Functional Requirements:

ID	As a.....	I want to	So that
1	User	search through all the books	I don't waste my time finding the desired product
2	User	create add to cart of items	I can buy all product together in the future and make some changes, if any, before checkout
3	frequent User	be updated about the new arrivals	I don't have to waste my time searching for it
4	User	create a wishlist of items	I can buy them in the future
5	User	buy items by bkash/rocket/visa card/bank	buy items in online
6	User	create a category system	buyer can choice specific category items

7	User	create a brand system	buyer can choice specific brand items
8	User	see item details	I can justify item quality
9	User	see items order details	I can check all selected items correct or not
10	User	to review and rating my orders	others buyer can justify items quality

3.2 Non Functional Requirements

Performance Requirements:

- The system must not accumulate high numbers of users without any fault.
- Response to any kind of interaction must take no longer than 3 seconds to appear on the screen.

Security Requirements:

- System will use secure database.
- Normal users can just read or write information but they can not edit or modify existing information.

Error Handling:

- OS must handle expected or non-expected errors in ways that prevent loss in information and long down time period.

Safety Requirements:

- System use must not cause any harm to human users.

Chapter 4:

Functional Decomposition Diagram:

A decomposition diagram shows a top-down functional decomposition of a system and exposes the system's structure. The objective of the Functional Decomposition is to break down a system step by step, beginning with the main function of a system and continuing with the interim levels down to the level of elementary functions. The diagram is the starting point for more detailed process diagrams, such as data flow diagrams (DFD). Shows the Functional Decomposition Diagram for this project.

Limitations and Future Development:

There are some limitations for the current system to which solutions can be provided as a future development:

1. The system is not configured for multi- users at this time. The concept of transaction can be used to achieve this.
2. The Website is not accessible to everyone. It can be deployed on a web server so that everybody who is connected to the Internet can use it.
3. Credit Card validation is not done. Third party proprietary software can be used for validation check.

As for other future developments, the following can be done:

1. The Administrator of the web site can be given more functionality, like looking at a specific customer's profile, the books that have to be reordered, etc.
2. Multiple Shopping carts can be allowed.

Conclusion:

The Internet has become a major resource in modern business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the entrepreneur, electronic shopping generates new business opportunities and for the customer, it makes comparative shopping possible. As per a survey, most consumers of online stores are impulsive and usually make a decision to stay on a site within the first few seconds. "Website design is like a shop interior. If the shop looks poor or like hundreds of other shops the customer is most likely to skip to the other site". Hence we are going to design the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible. In this project, the user is going to provide with an ecommerce web site that can be used to buy books online. How it connects to the database to access the data and how the data and web pages are modified to provide the user with a view cart application and many more features.etc.

THANK YOU!!
