

ONLINE BOOKS READING AND PURCHASING

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Software Requirements Specification Document

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1. Introduction

1.1 Purpose

This document is about about the requirements of online book shopping and E-book reading site. It will guide to build the software product for the mentioned requirements.

1.2 Scope

- The product name will be GEEKSBOOK.
- It will be a website on-line book shopping and e-book reading.
- Supplier can give details of the book to be sold and also whether book is readable or not .
- User can read books which are mentioned as readable by supplier and cannot read otherwise.
- Benefits:
 1. user can buy conveniently compared to off-line shopping.
 2. user can compare prices of same book by different suppliers .
 3. For suppliers it is good platform for marketing.
- Goals:
 - Website which makes marketing and book reading convenient .And provide user friendly interface.
 - To provide efficient software which can handle large user requests and ensure the confidentiality of user data.

1.3 Overview

Section 2 gives an easy to understand specification for end-users (consumers) and section 3 gives a detailed description of the requirements and is intended for the Developers and Designers.

2. The Overall Description

2.1 Product Perspective

This is partially based on Amazon which provides book shopping functionality and Safaribooksonline which provides online reading.

2.1.1 System Interfaces

For designing user interface we can use Bootstrap framework also for transactions we can use APIs that are provided by banks software.

2.1.2 Interfaces

There will be a GUI for user and supplier .Separate GUI for online reading and purchasing.

2.1.3 Hardware Interfaces

Our software will be desktop compatible.

2.1.4 Software Interfaces

For the user end any browser with Internet connection is required. For the developer end we will be using Mysql server(for database operation queries), and local server such as Apache and so we can use product like XAMP.

2.1.5 Operations

Supplier can act as a user. System failure may occur due to large number of user access the site simultaneously .

2.1.6 Site Adaptation Requirements

For developer end system which require website to support highly reliable should have backup facility.

2.2 Product Functions

As a user you can search,read the on-line books and also purchase.

As a supplier you can provide details of the book to be sold and also mention whether book is readable or not. And later if he want he can remove the book.

2.3 User Characteristics

User and supplier should know the way of signing up and login using any browser.

User should valid credentials .

2.4 Constraints

Maintain user,supplier confidentiality.

2.5 Assumptions and Dependencies

For user or supplier browser should be above IE9(Internet Explorer),Google chrome.

For server end there should be a host management systems and database management system.

2.6 Apportioning of Requirements.

In newer version of our software we will be adding feature like:

1. More reliable and back up system.
2. Third party transaction like paytm , freecharge.

3. Specific Requirements:

3.1 External Interfaces

USER SIGNUP INTERFACE:

- Description of purpose
To register the user.
- Source of input or destination of output
User and destination is our database.
- Valid range, accuracy and/or tolerance
eg. Email id format xyz@abc.com.
- Units of measure
eg. password length greater than 5.
- Relationships to other inputs/outputs
At the time of login the user credential will be matched with the stored information of the user.
- End messages
eg. You have successfully signed up.

SUPPLIER SIGNUP NTERFACE:

- Description of purpose
Register the supplier.
- Source of input or destination of output
Supplier.
- Valid range, accuracy and/or tolerance
contact number should be valid and an OTP will be send for authentication.
- Relationships to other inputs/outputs
When supplier will login it's credential should match with it's information.
- End messages
eg. You are successfully signed up.

3.2 Functions

Search Functionality:

- Exact sequence of operations
 1. User can search by either book title, author name or publication.
 2. provide at least one of above three options.
 3. User will be presented with the list of books which matches with the search.
 4. User can apply more filters.
- Responses to abnormal situation, including

If the provided information does not match any of the stored information than a message will be popped up that “no match is found”.
- Overflow

Only twenty five books will be shown on one page and rest will be shown on other pages.
- Communication facilities

User can use search box to find the books.
- Effect of parameters

Result will be filtered on the parameters provided by the user.
- Exact sequence of operations
 1. If user is purchasing first time than he will provide all details like address,contact number.
 2. Than he will be directed to place the order page.
 3. If user is purchasing second time than either he can use the previous details or can edit the details provided earlier.
- Communication facilities

The user details will be provided through the form and product review can be given.
- Effect of parameters

Expected delivery date will be provided on the basis of address of user.

Reading Functionality:

- Validity checks on the inputs

If the book is marked readable then only user can read the book.
- Exact sequence of operations

User will click on thumbnail and new window will open showing the book.

- Responses to abnormal situation, including
If version of browser is less than IE9 then message will be pop up “Browser is not supported”. If book is not readable then user can't read it.
- Communication facilities
User can provide review for the book and reading interface.

Suppliers Perspective Functionality

Add book Functionality:

- Exact sequence of operations
Click on the add book button. Supplier will be redirected to the book details form which also includes readability tag. And now he can submit the form and information will be stored in our database.
- Communication facilities
He can contact with developer regarding any issue.
- Effect of parameters
On the basis of readability tag book will be available to user as readable.

Remove Book Functionality:

- Exact sequence of operations
Click on the remove book button. Select book to be removed. If supplier id of the book matches with the current supplier id then he can remove the book .
- Communication facilities
He can contact with developer regarding any issue.
- Responses to abnormal situation, including
If supplier id doesn't match a message will be pop out “You are not Permitted”.

3.3 Performance Requirements

3.3.1 Availability

site will be available for 24*7.

3.3.2 Security

User credentials will be kept confidential.

3.3.3 Usability

user friendly graphical user interface.

3.3.4 Portability

As we are using xampp server it can act as server for website hosting.

3.4 Logical Database Requirements

ER diagram of our website is made using workbench software and it is attached along with this document.

4. Change Management Process

Initially web site will be launched as beta testing model. Even after final launch of web site if user face any difficulty it can contact via feedback forum. Also supplier can contact developer for specific changes if needed.

5. Document Approvals

Identify the approvers of the SRS document. Approver name, signature, and date should be used.

This Document is approved by:

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