SOFTWARE REQUIREMENTS SPECIFICATION
FOR
“ONLINE USED BOOKS STORE”

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1. Introduction

This document is a Software Requirement Specification (SRS) for the ONLINE USED BOOKS STORE Web Based project. This document is prepared by following IEEE conventions for software requirement specification.

The main purpose of the project is to provide a platform to help the students who are offically poor background.

1.1.Purpose

The aim of this document is to specify complete description of the Platform to be developed. It is basis for agreement between suppliers and customers about the product to be developed. The document will describe all the functional and non-functional requirements, functionalities, external interfaces and all those features that will be facilitated in the end product.

The Intended Audience for the document are the students who are studying at present and developers who tend to add value to it.

1.2.Scope of the Project

The main scope of the project is to create a platform for students to buy the Used Books(2nd Books) through online.
It is a like a platforms(Filpkart,Amazon etc...).

1.3.Overview

The main focus of this document, is to describe the website from the user's perspective. In the following section, the product's perspective is taken to indicate the user characteristics, product functions, assumptions, etc.. The next section deals with specific system requirements, external interface requirements, performance requirements, data storage requirements etc..

2.Overall Description

This section gives detailed information about the requirements from the Product's Perspective, User's Perspective and the whole functionalities of the service in brief. This section will describe all those features which will affect the final product.

2.1.Product Perspective

This product is eventually developed for students who want used books.We know that,in every city there is an one used book store.This thing i made it online means,I will save there time and effort too.There will be a remote server where session data will be stored.

The Product extensively. Then, if User wants to buy the book, it requires the user to log into the system before they can choose the book which they wants. Once chosen, The user can place a order of that book.If user can't find the book,he/she will make a request for the book which they wants.

2.2.Product Functions

The Product fuctions are to maintain a static server of the books data.This things will be updated by the dealers(owners of shops) through there login ids which was given by the ADMIN.Maintaining the Active server for CART which will be change dynamically.

2.3.User Characteristics

The Users of the Product are all the students who loves the books very much and it mainly to the students who are offically poor background,For all the students who wants used books.

3.Specific Requirements

This Section deals with all the software requirements – both functional and non-functional which will be delivered to the user as an end product. All the Requirements are categorized into external interface requirements, functional requirements and non-functional requirements.

3.1.External Interface Requirements

In this sub-section, External Interface Requirements can be divided into

1. Application's Main Interface
2. Generic User Profile Interface
3. Customising Portal Interface

4.Database Manager Interface.

3.1.1. Application's Basic Interface

Name: Basic Interface
Purpose: To provide the user with a basic idea of what the platform can do and to provide the user an option to signup.
Source of Input: This is ths main home page of the application.
Units of Measure: Information about the books through departments that are available .

Softwares needed: html, css, javascript, jquery,bootstarp.

3.1.2.Generic User Profile Interface

Name : Generic User Profile Interface
Purpose: To provide the user with flexibility by automatic generation of details of the last commit or more frequent commit he did.
Source of Input: Once the user registers, he gets to access this page.
Units of Measure: Usability, Attractive and must update data by itself.

Softwares needed: Javascript, xml, ajax.

3.1.3.Customising Website Interface

Name: Customising website Interface
Purpose: For those where application interface is not available,backend will semantically gets the data.
Source of Input: The users choice of redirecting to interface will be based on the weblink he gors for.
Validity:Once he finishes his work,his session will be stored in the databases and makes to generate updates based on these queries.
Units of Measure: Extra Features that can be added, Usability, Ease

Softwares needed: Jquery DragDrop Plugin, xml, javascript

3.1.4.Database Management Interface

Name: Database Management Interface
Purpose: Shows the books data from the static server.
Source of Input: Once the user clicks on the search books button,which is a user-interface where he/she can see all the databases of insert/update/delete/query them.
Units of Measure: Ease of use, easy to manage databases

Software needed:Mysql.

4.System Features

This section deals with the functional and non-functional requirements and basically portrays what the system actually does. The section is organised in terms of system features stating the functional requirements in each. Later on, the non-functional requirements are explicitly stated.

4.1.User Management

The Product will be launched as a web site can be accessed in a web browser. The user has to fill the signup form in order to register for the service. His email will be verified and he can therefore have a unique account based on the email id. He can also signup through his Gmail / Facebook accounts.

Once registered, the user can login to his account and all his progress thereafter is saved in a cloud server. If the login information does not match with the stored values, an error dialog is shown and redirected to the login page.

Users – All the students who need of books.

4.1.1. Sign Up

As a User,
→ It can four ways to signup into the site.
A.Self registration.
B.Fb SignUp.
C.Gmail SignUp.
D.Twitter SignUp.
→ After this User,need to verify the registerd E-mail Id.
As a server,
Fetch data from fb/gmail or store the data provided for registration to the database.

4.1.2. Verification

As a user,
I should verify my correctness.I should login from the unique link sent to me from the server to my registered mail.
As server,
I should send a Verification link to the email of the user to the test user's correctness.

4.1.3. Forgot Password

As a user,
If I forget my password I should be able to reset my password.
As a server

I should create a unique Password reset link will be sent to the email id provided for the registration,So that no one else can change my password.

4.1.4 Login

As aUser,
I should be able to login.
As a Server,
I should verify login password and id, they should match,checks from the database.

4.1.5.Search of books

As a User,
They can search the book whatever they want and add it into the cart.
If the book is not fount what they want.They can make a request.
As a Server,
Shows the books which are there in the database for there related search.if book not found generate a web form.

4.1.6.Add to cart

As a User,
They can add the so many books to the cart and proceeds to the adding adress details.
As a server,
Here in this checks the availiablity of the item in our database.If it is availabile then minus the count of that book by one.

4.1.7.Adding address

As a User,
Fill the fields of address where we have to order the item.
As a Server,
Here the Address data moves to the Delivery table in the database.

4.1.8.Payment process

As a User,
We can select any mode of payment.
→ COD
→ Online mode.

As a server,
If we selects the COD,goes the verify mode.
If we selects the online mode,the linking up to the appropriate bank site.

5. NonFunctional Requirements

5.1. Performance Requirements

1. The site uses AJAX to retreive data from the databases so there is no need to reload webpage everytime the user updates the database.
2. The site must be able to store cookies to remember the user's login details or to prevent restarting the server if the browser crashes.

5.2. Security Requirements

1. The user's details are encrypted and stored in the cloud server to prevent any hacking attacks.