**Software Requirement Specification**

**Project title: Online Book Store**

**College: IACSD (Institute for Advanced Computing and**

**Software Development**)

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**1.Introduction Of Project:**

The main objective of the project is to create an online book store that allows users to purchase a book based on title, author and subject. The selected books are displayed in a tabular format and the user can order their books online through credit card payment. The Administrator will have additional functionalities when compared to the common user.

OBS(Online Book store) is an online web application where the customer can purchase books online, through a web browser. The customers can select a book; later can add to the shopping cart and finally purchase using credit card transaction. The users can login using his account details or new customers can set up an account very quickly. The books are divided into many categories based on subject like Fiction, Cooking, Adventure, etc. anonymous .The web application will provide the basic functionalities to the users, i.e. selecting the book, putting the same in the cart and purchasing it in the end. Rather than this the users will also get the facility to browse the complete site either being a guest or as a registered customer. But in order to purchase users have to become a registered customer.

The Administrator is responsible and authorized to fill up the data into the database as well as Update the data accordingly. The data filled by person during registration will be entered into database by the utility provided. Our software is easy to use for both beginners and advanced users. It features a familiar and well thought-out, an attractive user interface.

The software Library Management System has four main modules.

* Insertion to Database Module – User friendly input screen
* Extracting from Database module – Attractive Output Screen
* Report Generation module – Sold book list & Available book list

**2.Product Review and Summary:**

**2.1 Purpose:**

* To shop while being in the comfort of your own home, without having to step out of the door.
* Sell at lower rate due to less over head.
* Provide home delivery free of cost.
* No wait to see the products if someone else are taking that.

2.2 Scope:

The Online Book Store is an easy to maintain, ready to run, scalable, affordable and reliable cost saving tool from Software Associates suited for small, medium, and large shopping complex and shopping malls.

The proposed system can be used even by the naïve users and it does not require any educational level, experience, and technical expertise in computer field but it will be of good use if the user has the good knowledge of how to operate a computer.

**2.3 Definitions ,Acronyms, Abbreviations:**

* **SRS**- Software Requirement Specification
* **OBS-** online book store
* **Customer**- A person who is purchasing book
* **Administrator/Admin**- User having all the privileges to operate OBS
* **Staff**- Staff of the university operating URS and coordinating the admissions

**2.3 References**: www.**oxfordbookstore**.com, <http://google.com>

**3.Overall Description:**

**3.1 Product Perspective:**

The Product is a web-based product, which will be used by multiple users i.e. the administrator, registered user. Administrator will be provided with the Interface, with the help of which administrator can manage accounts and UI. Registered users can edit their information using their login credentials. Customer can generate the cart according his requirement. Guest can search the record according to requirement

As far as the future perspective is concerned, the scope of improvement would be development in UI, better searching facilities.

**3.2 Product Functions**

**1) A Home page with product catalog:**

This is the page where the user will be navigated after a successful login. It will display all the book categories It also includes some special sections like recent arrival, about us and contact us.

**2) Book Description:**

If the user would like to know details about a book he can click on the title from where he will be directed to a Book description page.

**3) Shopping Cart:**

The user can manage a shopping cart which will include all the books he selected. The user can edit, delete and update his shopping cart. A final shopping cart is a summary which includes all the items the user selected and the final total cost.

**4) Managing User Accounts:**

Each user should have an account to access all the functionalities of website. User can sign in using login page and sign out using the logout page. All the user sessions will be saved in the database.

**5) Administration:**

The Administrator will be provided with special functionalities like

* Manage customer account.
* Login/Logout.
* Add/Delete the book.

This product is mainly designed to keep the information about the alumni and event organized for alumni. Each user will be provided a login id and password to interact with the system.

**3.3 User Characteristics:**

The main users of this system will be Administrator, Registered User and Guest who are literate with the computers and can use the programs such as Internet explorer, editors and text processors.

**3.4 General Constraints:**

The “Online Book Store” should run on all Internet Browser and all processors which supports the Internet Browser.

**4.Functional Requirements:**

**5.Non-functional Requirements:**

5.1 Performance Requirements:- Maximum allowed execution time for the opening case of the web page will be three seconds.And it will save all the marked options of the user.

5.2 Safety Requirements-None.

5.3 Security Requirements- A password will be needed.

5.4 Software Quality Requirements- None.

5.5 Notes/Issues – None

5.6 Special Requirements – Appropriate speed must

be available for the well-functioning of the web page.

**6.Technical Issues:**

**7.Hardware Interface:**

* Screen resolution of at least 640\*4 80 or above.
* Computer system with Internet connections.

**7.1.Communication Interfaces:**

In OBS, communication is via WAN( Wide Area Network )

**7.2.Memory Constraints:**

At least 512 MB RAM and 500 MB space of hard disk will be required to run the software.

**8.Software Interface:**

* Microsoft Windows operating system.
* A web browser( chrome, firefox etc).

**9.Performance Requirement:**

**10.Design Constraints:**

**10.1 Database Design**

**Tables:**

* **use book\_store;**
* create table customers(

id number(4) primary key auto increment ,

name varchar(50) not null unique,

address varchar(150) not null,

email varchar(50) unique,

password varchar(20) unique,

mob\_no number(10) not null unique

);

create table books(

book\_id number(4) primary key,

book\_name varchar(20) not null unique,

price number(6,2),

publisher varchar(10),

author varchar(20) not null

);

create table orders

( ord\_id number(5) primary key,

customer\_id number(5) references customers(id),

ord\_date date,

status char(1)

);

create table order\_details(

book\_id number(4) references books(book\_id),

ordid number(5) references orders(ord\_id),

Quantity number(15),

primary key(ordid,book\_id)

);

insert into customers

values(1,'scott','12-2-23,Dwarakanagar,VSP-16','scott@hotmail.com',,

'3434343');

**Use Case Diagram:**

