

SOFTWARE DEVELOPMENT PRATICES

ONLINE SHOPPING WEBSITE

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1.Introduction

Purpose

This document is meant to delineate the features of OSS so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other. The Online Shopping System (OSS) for furniture shop web applications is intended to provide complete solutions for vendors as well as customers through a single get way using the internet.it will enable vendors to setup online shops, customers to browse through the shop and purchase them online without having to visit the shop physically the administration module will enable a system administrator to approve and reject requests for new shops and maintain various lists of shop category.

1.2 Scope

For customers there are many types of secure building will be prepaid as debit or credit card, postpaid as after shipping, check or bank draft. The security will provide by the third party like Pay-Pal etc.

3.1.5 Logout

After payment or surf the product of the customer will log out.

3.1.6 Report Generation

After all transaction the system can generate the portable document file(.pdf) and then sent one to the customer's Email address and another one for the system data base to calculate the monthly salary transaction.

3.2 Technical Issues

This system will work on client server architecture. It will require an internet server and which will be able to run PHP application. The system should support some commonly used browser such as IE etc.

4.Interface Requirement

various interfaces for the product could be -

1.Login page

2.Registration Form

3. There will be a screen displaying information about that product that the shop has.

4. If the customer selects the buy button, another screen of shopping cart will be opened.

5. After all transaction the system makes the selling report as a portable document file (.pdf) and sends it to the customer's E-mail address.

4.1 GUI

1. Login page

This system allows the customer to maintain their cart for adding or removing the product over the internet.

1.3.1 Overview

This system provides an easy solution for customers to buy the product without going to the shop and also for the shop owner to sell the product.

2. General Description

The Online Shopping System (OSS) application enables vendors to set up online shops, customers to browse through the shops and a system administrator to approve and reject requests for new shops and maintain lists of shop categories. Also, the developer is designing an online shopping site to manage the items in the shop and help customers purchase them online without having to visit the shop physically. The online shopping system will use the internet as the sole method for selling goods to its consumers.

3. Functional Requirement

This section provides a requirement overview of the system. Various functional modules that can be implemented by the system will be

3.1 Description

3.1.1 Registration

If a customer wants to buy the products then he/she must be registered, an unregistered user can't go to the shopping cart.

3.1.2. Login

Customer logs in to the system by entering valid user id and password for the shopping.

3.1.3 Changes to Cart

Changes to cart means the customer after login or registration can make order or cancel of the product from the shopping cart.

3.1.4 Master Maintenance

This module consists the information on goods and services. This module consists of information on goods and services. This requires two submodules, Commodity Master and Price Master.

3.1.5 Product Master

Product master provides details about a single product, such as product number, object, name, category, product, photos, definition, specifications, requirements on items to be featured on the website.

3.1.6 Price master:

Price Master works with the quality of the goods, discounts applicable to the individual product of the vendor/seller.

3.1.8 Transactions:

All transactions carried out on the website will be monitored and handled by this module transactions in the form of ownership of the Shopping Cart.

3.1.9 Reporting

This module deals with the management of the report of the whole framework. This comprises three Stock Report of the whole framework. This comprises three Stock Report, Order Report, and Distribution Report sub-modules.

3.1.10 Order Report

Order Report would include the list of items ordered and the description of the consumer who requested the goods, which are not shipped.

3.1.11 Delivery Report

Delivery Reports will produce a list of items that are shipped to consumers.

3.1.12 Housekeeping Module:

This module deals with backup for potential comparison and thus reduces the size of the archive.

3.3 Design constraints

There are few restrictions that the device has to meet. They are:

- Both inputs be reviewed for validation and messages should be issued for erroneous results. Invalid data should be skipped and error messages should be given.
- The information given by the vendor during registration should be maintained in the database.
- When submitting items to the scheme, the mandatory fields must be reviewed for validity as to whether the provider has entered the necessary data in these mandatory fields. If this is not the case, the right error message should be shown or the data should be stored in the archive for later retrieval.
- Both mandatory fields should be filled in by the customer when ordering products from the cart.

■ Interface Requirement

Various interfaces for the product could be-

1. Login Page2. Registration Form

3. There will be a screen displaying information about product that is shopped

4. If the customers select the buy button then another screen of shopping cart will be opened.

5. After all transaction the system makes the selling report as portable document file (.pdf) and sent to the customer E-mail address

LOGIN PAGE

Logo

**Welcome
To
Furniture Shop**

User Id:

Password:

Login

REGISTRATION FORM

USER NAME: @shop.com

PASSWORD:

RETYPE PASSWORD:

E MAIL:

DATE OF BIRTH:

ADDRESS:

CITY:

CONTACT NO:

PAY PAL ID:

SUBMIT

CLEAR

USERNAME@shop.com

PRODUCT PAGE

PRODUCT 1
VIEW/BUY

PRODUCT 2
VIEW/BUY

PRODUCT 3
VIEW/BUY

PRODUCT 4
VIEW/BUY

PRODUCT
CATEGORY

SHOPPING CART

SR.NO	PRODUCT NAME	QTY	PRICE
1.	CHAIR	2	1000
2.	TABLE	1	6500

TOTAL AMOUNT: 7500

PAY

REMOVE ITEM

4.2 Hardware Interface The System must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN

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LAN, Ethernet Cross-Cable.

4.3 Software Interface

The system is on server so it requires the any scripting language like PHP,VBS script etc. The system require Data Base also for the store the any transaction of the system like MYSQL etc. system also require DNS(domain name space) for the naming on the internet. At the last user need web browser for interact with the system.

5. Performance Requirement

There is no performance requirement in this system because the server request and response is depended on the end user internet connection.

6. Design Constrain

The system shall be built using a standard web page development tool that

conforms to Microsoft's GUI standards like HTML, XML etc.

7. Other non Functional requirement

7.1 Security

The system use SSL (secured socket layer) in all transactions that include any confidential customer information.

The system must automatically log out all customers after a period of inactivity.

The system should not leave any cookies on the customer's computer containing the user's password.

The system's back

-end servers shall only be accessible to authenticated administrators.

Sensitive data will be encrypted before being sent over insecure connections like the internet.

7.2 Reliability The system provides storage of all databases on redundant computers with automatic switchover.

The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus the overall stability of the system depends on the stability of container and its underlying operating system.

7.3 Availability

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. In case of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 X 7 availability.

7.4 Maintainability

A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also the software design is being done with

modularity in mind so that maintainability can be done efficiently.

7.5 Portability The application is HTML and scripting language based. So The end-user part is fully portable and any system using any web browser should be able to use the

features of the system, including any hardware platform that is available or will be available in the future.

An end-user is use this system on any OS; either it is Windows or Linux.

The system shall run on PC, Laptops, and PDA etc.

8. Operational Scenario

The customer wants to buy item. The system shows all product categories to customer. If customer select item then they listed in shopping cart for buying.

The payment will made with credit card or bank check. If customer wants to cancel the order before shipping then he or she can cancel it.

Customer can see the buying report on account detail.

Feature of system, including any hardware platform that is available or will be available in the future.

8.Operational Scenario.

The customer wants to buy the item. The system will show all product categories to customer. If the customer selects the item then they will see the listed item in the shopping cart for buying. The payment will be made with credit card or bank check. If customer wants to cancel the order before buying then he or she can cancel it. Customer can see the buying report on account

detail

9.Preliminary Schedule.



