

Title: Online Shopping System (OSS)
Author: Ravi Tambade
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Abstract:

An online shopping system that provides an easy solution to customer's to buy the product without going to the shop and also shop owner to sell their product.

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1. Introduction:

1.1 Purpose:

The Online Shopping System for products shop web application is intended to provide complete solutions for vendors as well as customers through a single gateway using the internet. It will enable vendors to setup online shops, customer to browse through the shop and purchase them online without having to visit the shop physically.

1.2 Scope:

This system allows the customer's to maintain their product for add or remove the product over the internet.

Shoppers will be able to manage their products stock.

1.3 Definitions:

OSS --> Online Shopping System
SRS --> Software Requirement Specification
GUI---> Graphical User Interface

Portal--> Personalized Website
Stackholder--> The person who will participate in the System.
And Onwer of system
Ex. Customer, Adminstrator , Shopper
UML---> Software Engineering Notation for visualising System in
the form diagrams
SSL---> Secure Socket Layer used for providing restricted access
to application.
BOD---> Board Of Directors (Management)

1.3.1 Overview:

This System provides an easy to solution customer's to buy the product withouy going to the shop and also shop owner to sale their product.

This proposed system can be used by any users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use

if user has the good knowledge of how to operate a computer.

1.4 Additional Information:

The system work on internet server, so it will be operated by any end user user for the buying purpose.

2 General Description:

The Online shopping application helps to manage the items in the shoppers and also helps customers to purchase.

The online shopping system will use the internet as the sole method for selling goods to its consumers.

3 Functional Requirement:

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

3.1 Description:

Registration: if customer wants to buy the product then he/she must be registered, Unregistered user can not get to shopping cart.

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

End User can Browse Prodcts , their categories as well, he/she can add products to her/his wishlist.

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

Payment for customer: there are many of secure billing will be prepaid as debit or credit card , postpaid as after shipping , check or bank draft.

Logout: After ordering or surfing forthe product customer has to logout.

Report Generation: after all transation the system can generate the portable file (.pdf) then sent one copy to customer's Email- address and another one for the system database to calculate the monthly transaction.

3.2 Technical Issues:

This system will work on client-Server architecture. It will require an internet server.

The system should support some commonly used browser such as any Chrome etc.

4 Interface Requirement:

Various interfaces for the product could be

4.1 GUI:

- 1) Login Page
- 2) Registration Form
- 3) There will be a screen displaying information about product that the shop having.
- 4) If the customers select the buy button then another screen of shopping cart will be opened.

- 1.Login Page
- 2.Registration Form
- 3.Product Page
- 4.Shopping Cart

5) After ordering for the product, the system will send one copy of the bill to the customer's Email address

4.2 Hardware Interface:

The System must run over the internet, A full internet connection is required for OSS.

all the hardware shall require to connect internet will be hardware interface for the system.

e.g. modem, WAN, LAN

Specialized Server Infrastructure Hardware

4.3 Software Interface:

The system is on server so it requires the any scripting language like JSP or PHP or ASP, ETC.

The system require DataBase also for the store the any transaction of the system like MySql or oracle, or SQL server etc.

System also require DNS (Domain Name space) for the naming on the internet.

<http://www.transflower.in>

<http://www.amazon.in>

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 to client is totally based on internet connection of enduser.

User should be familiar with the terms like login, register, order system etc.

6 Design Constrains:

This system should be developed using Standard Web Page Development Tool, which conforms GUI standards such like HTML, XML, JSON, etc.

7 Non-Functional Requirements:

Following Non-Functional Requirements will be there in the insurance to the internet:

7.1.Security:

The System use SSL (Secure 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 users'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 internet.

7.2 Reliability:

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

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.

7.3 Availability:

The system should be available at all times, meaning the user can access it using 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.

uptime : It means 24 * 7 availability

99.9%

99.999%

7.4 Maintainability:

A commercial database is used for maintaining the database and application server takes care of the site.

The maintainability can be done efficiently.

7.5 Portability:

The application is HTML and scripting language based (Javascript). 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 used this system on an OS; either it is Windows or Linux.

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

7.6 Flexibility:

If any new expectation will be there from customer, System should accommodate new changes and extend functionalities.

8 Operational Scenario:

Customer Interaction:

The Customer want to buy item. The system shows all product categories to customer. If custoemr select item then those items are listed in shoppingcart for buying.

The payment will be made with credit card or debit card. If customer wants to cancel the order before shopping then he or she can cancel it. Customer can see the buying report on account details. Customer will receive email about purchase done.

Shopper Interaction:

Whenever shopper/seller have to sell , OSS provides him/her the required tools and services to sell online successfully.

To sell product he/she will Follow the steps below :

- 1.Register the seller account.
- 2.Upload product listings.
- 3.Customers see and buy the product from their products list.
- 4.Deliver products to the customer. (Amazon)
- 5.Receive their payment.

9 Preliminary Schedule:

- 1.Login
 - 2,.Manage customer database Browse category
 - 3.add or remove item from cart
 4. Manage customer database
 - 5.update item category
 - 6.approve/reject shop creation
 - 7.shipping order
 - 8.Logout
 - 9.Give feedback
 - 10.payment
 - 11.ByCreditCard By Debit Card By online banking
 - 12.Visit Site
 - 13.Create new account
 - 14.View account details
 - 15.Cancel order before shipping
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