SOFTWARE REQUIREMENTS SPECIFICATION

For

Online Shopping System

Version 1.0 approved

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1. Introduction

1.1 Purpose:

This document is intended to define OSS functions to serve as a guide for developers on the one hand and a software validation document for a potential client on the other.

The Online Shopping System (OSS) web application for electronics business is designed to provide a complete solution for both sellers and customers through a single online shopping method. It will allow sellers to set up online stores, customers to browse the store and buy online without having to physically visit the store. The administration module

will allow the system administrator to approve and reject requests for new deals and maintain various lists of deal categories.

1.2 Scope:
1.Global reach
2.convenience
3.variety of product
4.cost efficient
5.support for local sellers

1.3 Definitions:
OSS- Online Shopping System (for Electronics Store)
SRS-GUI for Software Requirements Specifications - Graphical User Interface
Stackholder – A person who will participate in the system
Ex. Customer, administrator, visitor, etc.
1.4 References:

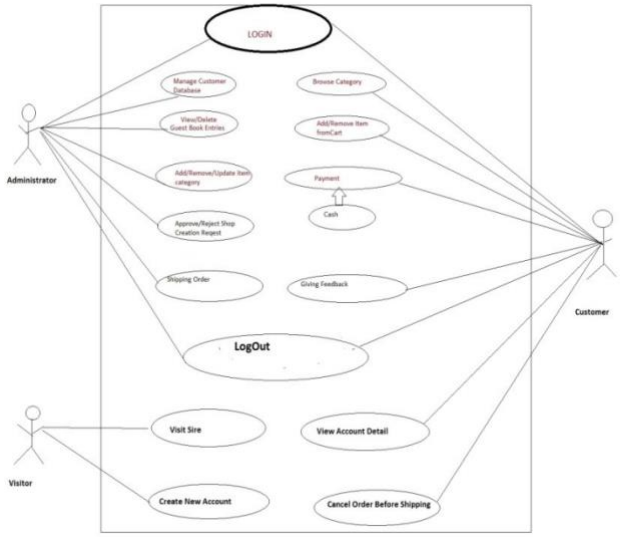
1.5 Overview:
This system provides an easy solution for customers to buy the product without going to the store and also for the store owner to sell the product.
This proposed system can be used by any naive user and does not require any education, experience or technical knowledge in the computer field, but it will be useful if the user has good computer knowledge.

2. General description:
The Online Shopping system (OSS) application allows sellers to set up online stores, customers to browse stores, and system administrators to approve and reject new store requests and maintain store category lists. The developer also designs online shopping websites to manage the items in the store and also helps the customers to buy them online

without physically visiting the store. The online shopping system will use the internet as the only way to sell goods to its consumers.

2.1 View of the product:
This product is aimed at the person who does not want to visit
in the store because they may not have the time or interest to go there and do a lot of formalities.

2.2 Product features:
OSS should support this use case:



2.3 User features:
The user should be familiar with concepts such as login, registration, order system, etc.

2.4 Main actors:
2 The main actors are the customer and the administrator.

2.5 General limitations:
OSS requires a full internet connection.

2.6 Prerequisites and dependencies:
OSS requires an internet connection to function.

3. Specific requirements:

3.1 Functional requirements:

This section provides an overview of the system requirements.
The various functional modules that the system can implement will be -
3.1 Description:

3.1.1 Registration

If a customer wants to buy a product, they must be registered, unregistered user cannot go to shopping cart.

3.1.2 Login

The customer logs into the system by entering a valid username and password for the purchase.

3.1.3 Cart Changes

Changes to the shopping cart mean that the customer can place an order or cancel an order for a product from the shopping cart after logging in or registering.

3.1.4 Payment

In this system, we deal with the cash payment method. We will extend it to credit card, debit card etc. in future.

3.1.5 Logout

After ordering or surfing for
the customer of the product must log out.

3.1.6 Generating Reports

After ordering the product, the system sends one copy of the bill to the customer's email address and the other to the system database.

3.2 Non-functional requirements:

In the insurance on the Internet, the following non-functional requirements will be:
(i) Secure Access to Confidential Consumer Data.
(ii) 24x7 availability.
(iii) Better component design to achieve better peak performance.
(iv)A flexible service-based architecture will be highly desirable for future expansion. Non-functional requirements define system properties and constraints.
Various other violated requirements are:

➢Security
➢ Reliability

➢Sustainability
➢Portability
➢Expandability
➢Reuse
➢Compatibility
➢Usage of resources

3.3 Performance requirements:

Maintain an acceptable speed with the maximum number of allowed uploads from a specific customer, as any number of users can access the system at any time.
Also, the connection to the servers will be based on the user's attributes like their location and the server will work 24x7.

3.4 Technical problems:

This system will work on a client-server architecture. It will require an internet server to run the PHP application on. The system should support some commonly used browsers like IE, mozzila firefox, chrome etc.

4. Interface Requirements:

There can be different interfaces for the product
1). Login page
2).Registration form
3). A screen will appear with information about the product that the store has.
4). If customers select the Buy button, another shopping cart screen will open.
5). After ordering the product, the system sends one copy of the invoice to the customer's email address

4.1 Software interface:

1. Operating system:Windows7 Ultimate which supports networking.
2.JAVA developer tool.

4.2 Hardware interface:

The hardware requirements for internet insurance will be the same for both parties as follows:
Processor: Dual Core RAM: 2 GB
Hard disk: 320 GB NIC: For each side
Communication interface:

In order to communicate, both sides should be connected by LAN or WAN.

4.3 Communication Interfaces:

The two parties should be connected by LAN or WAN for the communication purpose.

5. System Design Specifications:

5.1 Architecture design:

5.1.1 Data Flow Diagram (DFD):

It is a way of representing system requirements in graphical form; this led to a modular design. A DFD describes the flow of data (logical) rather than how it is processed. So they are not dependent on software, hardware, data structure or file organization. It is also known as the "kind of bubble".

DFD is a structured analysis and design tool that can be used for flowcharts instead of or in conjunction with information and process-oriented system flowcharts.

A DFD is considered an abstract of the logic of an information-oriented or process-oriented system flow diagram. The four basic symbols used to construct data flow diagrams are -

The points at which data is transformed are called as nodes.The principle processes that take place at nodes are:

1. Combining data streams
2. 2.Splitting data stream
3. Modifiying data streams

1 LEVEL DFD FOR ADMIN