



SRS e BAY

Software Engineering (Lovely Professional University)

Software Requirement Specification (SRS)

on

Geospatial Crop Monitoring System (GCMS)

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1. Introduction

eBay, global online auction and trading company launched by American entrepreneur Pierre Omidyar in 1995. eBay was one of the first companies to create and market an Internet Web site to match buyers and sellers of goods and services. The company, which caters to individual sellers and small businesses, is a market leader in e-commerce worldwide. eBay is headquartered in San Jose, California.

1.1 Purpose

Anyone can open an eBay account for free. You can opt to sell as well as buy products. When you have a seller account, there are fees associated with it — for example, listing fees. The costs vary on the price you sell your products for, as well as how long you list them.

From its humble beginnings in 1995, eBay's evolved into a household name. Even if you've never used it yourself, you've probably heard others talk about it, or seen it on television, in the movies, or on the news.

That's because you can buy and sell nearly everything here, millions of transactions go through every single day. The real draw for eBay buyers and sellers is the utterly capitalistic nature of the site. An item on eBay is worth precisely what someone is willing to pay for it.

This can mean sellers can command very high prices for highly sought after items- like collectibles, discontinued items, vintage items, unusual goods, or anything in short supply. This has made eBay the go-to place for collectors, who can source things they wouldn't find locally.

Collectors have flocked to eBay for the incredible selection of items, the advanced search tools, the notification systems, the user-friendliness of the site, and the ability to avoid fraudulent transactions thanks to their anti-fraud systems. Some collectors spend hours each day on eBay making a living buying and selling collectibles.

1.2 Scope

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

1.3 Overview

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

This proposed system can be used by any naïve 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.

2. Overall 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 also help customers to purchase them online without visiting the shop physically. The online shopping system will use the internet as the sole method for selling goods to its consumers.

2.1 Product Perspective

The system includes the user subsystem as well the seller subsystem. The online shopping system provides an outstanding way of bringing sellers and customers on an online platform to sell and make purchases in an efficient and secure manner irrespective of the distance between the two. It is a platform for customers to shop items online without having to visit a store or meet a seller physically, and a platform for vendors to sell their items online without having to meet the customers physically or have a physical store set up for his products.

This system is a one stop for customers to shop from millions of products online. The seller uploads his listing to the system and the customers browse from these items and purchase them.

2.2 Product Function

Enlisted below are all the major functions supported by the online shopping system along with the user classes.

- Register: for customers and sellers
- Login: for customers and sellers
- Logout: for customers
- View Account Details: for customers and sellers
- Edit Account Details: for customers and sellers
- Search item: for customers
- View item: for customers
- Add item to cart: for customers
- View shopping cart: for customers
- Change items in cart: for customers
- Proceed to buy: for customers
- Delivery & payment: for customers
- Place order: for customers
- Track order: for customers
- Cancel order: for customers
- Return item: for customers
- View orders and returns: for customers

Rate item: for customers

- Review item: for customers
- Recommendations: for customers
- View sales: for sellers

- Deliver items: for sellers
- Upload listings: for sellers

3 Specific Requirements

3.1 Functional Requirements

Various functional modules that can be implemented by the system will be -

3.1 Description: 3.1.1 Registration If customer wants to buy the product then he/she must be registered, 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 order of the product from the shopping cart. 3.1.4 Payment In this system we are dealing the mode of payment by Cash. We will extend this to credit card, debit card etc in the future. 3.1.5 Logout After ordering or surfing for the product customer has to logout. 3.1.6 Report Generation After ordering for the product, the system will send one copy of the bill to the customer's Email-address and another one for the system database. 3.2 Non-Functional Requirements: Following Non-Functional Requirements will be there in the insurance to the internet: (i) Secure access to consumer's confidential data. (ii) 24X7 availability. (iii) Better component design to get better performance at peak time. (iv) Flexible service based architecture will be highly desirable for future extension. Non-Functional Requirements define system properties and constraints. Various other Non-Functional Requirements are: Security → Reliability → Maintainability → Portability → Extensibility → Reusability → Compatibility → Resource Utilization → 3.3 Performance Requirements: In order to maintain an acceptable speed at maximum number of uploads allowed from a particular customer as any number of users can access to the system at any time. Also the connections to the servers will be based on the attributes of the user like his location and server will be working 24X7 times. 3.4 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, mozilla, firefox, chrome 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 product that the shop is having. 4). If the customers select the buy button then another screen of shopping cart will be opened. 5). After ordering for the product, the system will send one copy of the bill to the customer's Email address. Software Interface: 1. Operating System: Windows 7 Ultimate which

supports networking. 2. JAVA development toolkit. Hardware Interface: Hardware requirements for insurance on internet will be same for both parties which are as follows: Processor: Dual Core RAM: 2 GB Hard Disk: 320 GB NIC: For each party Communication Interfaces: The two parties should be connected by LAN or WAN for the communication purpose.

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