

Software Requirements Specification for Amazon E-Commerce

Preface

This is the software requirement specification (SRS) document for the amazon e-commerce web based application. This document mainly focuses on listing and prioritizing all the requirements of the application. This document is intended to establish an agreement between the project personnel and customer.

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1. Introduction

Amazon is an American based company which primarily focuses on ecommerce applications headquartered in Seattle, Washington, United States. Jeff Bezos is the founder who founded it in 1994. Initially, Amazon used to focus on online book sales but it was little more than an online bookstore. Amazon today is now the largest

e-commerce based company in the world. Despite offering goods and services, it has also acquired hands on video streaming services, cloud computing and banking. In e-commerce applications it offers several payment options like credit card, debit card, net banking, gift vouchers and cash on delivery.

a. Context

This document is created for the purpose to determine a software requirement specification for Amazon e-commerce web applications. This will be addressing various aspects such as workflow, functional requirements, interface requirements, performance requirements and Non-functional Requirements etc.

b. Problem Specification

The problem specification in this document is that the current system is facing which is hampering the growth opportunities of the company. It illustrates all the needs and wants of the stakeholders.

c. Scope of the document

This system allows the customer to buy, add, or remove the products from their shopping cart. They can browse all types of products ranging from fashion, electronics , grocery etc.

d. Overview

The purpose of the document pertains to gathering and analyzing all types of ideas that have come up to build up and define the system, plus all of its requirements with respect to consumers. The purpose of this srs document is to provide a detailed description of our software product , iits parameters and goals.

2. General Description

a. Workflow

The system is an e-commerce platform. This system will be designed to meet all the shopping needs of all types of customers, by providing tools like adding items into the cart, removing from the cart, purchasing the item which will be done manually. The system will facilitate a safe and quality shopping experience.

b. Use-cases/ User Scenarios

There will be mainly two users for this software, one the customers who will be interacting with the website or the application. It will be pretty convenient for them to use the website or the application. They would be able to find any item of their choice.

Second one is the developers, who will be editing which site will be searched by the system considering if it's safe, the site searching speed and how it will be useful to the users.

c. Overall description of the software product

Amazon's online website based e-commerce is an outstanding way of bringing sellers and buyers together on an online platform to make purchases in a secured and efficient manner irrespective of the distance between the two.

3. Functional Requirements

This section contains the requirements for the e-commerce platform. The various functional requirements for our product are as follows: Provide search facility, tailored content for the users, displaying related items, creating sellable items on the website, easy return of exchange, providing personalized profile, move transaction money and details to profile, detailed invoice for customer and seller, providing shopping cart facility, online tracking of shipments, allow multiple payment methods and providing customer support.

4. Interface Requirements

The interface requirements included in our product are as follows: User interface, Home page user interface containing products according to customer's interest, login interface for user, customer login interface, login interface for seller, seller's login interface, payment interface, changes to cart interface, purchasing item from seller interface, logout interface., search interface, feedback interface

5. Performance Requirements

The product shall be based on the web and has to be run from a web server. The product shall take initial load time depending on internet connection strength which also depends on the media from which the product will run. Hardware component of the client/customer shall play a role in the performance.

6. Design Constraints

The user interface shall be implemented using any tool or software package like EJB, MS front page etc. Enterprise JavaBeans on languages such as JavaScript, HTML5, CSS. The GUI should emulate Microsoft's GUI standards.

7. Non-functional Requirements

a. Measures

Various measures of non-functional requirements are as follows: Performance, Security (Data Transfer, Data Storage), Reliability, Safety. Maintainability, portability,

supportability. Usability, scalability, recoverability, manageability, serviceability, availability.

8. Schedule & Budget Estimates

The tentative schedule is as follows:

Overall 26 weeks are distributed as -

1. One for the Pre development discussion.
2. Seventeen weeks for the development
3. Six Weeks for Testing and Evaluation and installation
4. Two week for training.

Budget Estimates: 3,00,000 - 4, 00,000/-

70% payment will be made after successful completion and 20% after the proper testing and meeting all requirements.