**SRS ( Online Shopping System )**

**Problem Statement**

This project aims to develop online shopping for customers with the goal that it is very easy to shop your loved things from an extensive number of online shopping on the web. With the help of this you can carry out online shopping from your home. There is no compelling reason to go to the crowded stores or shopping centers during festival seasons. You simply require a PC or a laptop and one important payment sending option to shop online. To get to this online shopping system all the customers will need to have an email and password to login and proceed your shopping . The login credentials for an online shopping system are under high security and nobody will have the capacity to crack it easily. Upon successful login the customers can purchase a wide range of things such as mobiles, books, apparel, jewelry, infant care, gifts, tools, etc. can be dispatched using an online shopping system. Not just these, you can also purchase from outside nations by a few clicks on your mouse. And of course you will get your requested ordered items at your door step.It is simple. You will pick your favorite items from a variety of online shopping sites looking at cost and quality. No need to go physical shops with this you will have more time to spend with your family.It Just need a computer and a payment making options like net banking, credit card, debit card or paypal.Almost a wide range of things can be brought through online shopping system.You can purchase goods from foreign places from your bedroom and you will get your goods at your home.It is extremely secure.

**Software Requirement Specification (SRS) for Online Shopping System**

**1. Introduction**

1.1 Purpose of this Document:

The purpose of this document is to define the requirements and specifications for the development of an online shopping system. It outlines the features and functionality of the system and provides a clear understanding of what the system aims to achieve.

1.2 Scope of this Document:

This document defines the requirements and specifications for an online shopping system that allows customers to browse and purchase products online. The system will include a catalog of products, a shopping cart, payment processing, and order tracking. The development cost and time required for the project will also be outlined.

1.3 Overview:

The online shopping system is an e-commerce platform that enables customers to browse and purchase products online. The system will be accessible via a web browser and will provide customers with a user-friendly interface to make the shopping experience seamless and enjoyable.

**2. General Description:**

The online shopping system will provide customers with a convenient way to browse and purchase products online. The system will allow customers to search for products by category, brand, or keyword. Customers will be able to view product descriptions, images, and pricing information before making a purchase. The system will also allow customers to create accounts, track orders, and manage their payment methods. The system will be designed to cater to a diverse range of customers and their preferences.

**3. Functional Requirements:**

The online shopping system will have the following functional requirements:

- A product catalog with detailed product information and pricing.

- A shopping cart that allows customers to add products and view the total cost of their purchase.

- A checkout process that allows customers to enter their shipping and payment information.

- An order tracking system that allows customers to view the status of their orders.

- An account management system that allows customers to create accounts, manage their payment methods, and view their order history.

**4. Interface Requirements:**

The online shopping system will have the following interface requirements:

- A web-based user interface that is accessible via a web browser.

- An intuitive and user-friendly interface that allows customers to easily navigate the site.

- A secure payment gateway that supports multiple payment methods.

- Integration with external systems, such as shipping providers, to provide customers with accurate shipping information.

**5. Performance Requirements:**

The online shopping system will have the following performance requirements:

- The system should be able to handle a high volume of traffic and transactions.

- The system should have a fast response time to provide a seamless shopping experience.

- The system should have a low error rate to ensure accurate order processing and payment handling.

**6. Design Constraints:**

The online shopping system will have the following design constraints:

- The system should be designed to be scalable and accommodate future growth.

- The system should be designed to be compatible with a variety of web browsers and devices.

- The system should be designed to be secure and protect customer data.

**7. Non-Functional Attributes:**

The online shopping system will have the following non-functional attributes:

- Security: The system should be designed to be secure and protect customer data.

- Portability: The system should be designed to be compatible with a variety of web browsers and devices.

- Reliability: The system should be reliable and provide accurate information to customers.

- Reusability: The system should be designed to be reusable and modular.

- Application compatibility: The system should be compatible with external systems, such as shipping providers.

- Data integrity: The system should ensure the accuracy and consistency of customer data.

- Scalability capacity: The system should be designed to be scalable and accommodate future growth.

**8. Preliminary Schedule and Budget:**

The development of the online shopping system is estimated to take 6 months with a budget of $200,000. This includes design, development, testing, and deployment of the system.