

## 7. Online Shopping System.

### Problem Statement

An online shopping system aims to develop a Software that can manage various operations such as search for products, filter products and buy and sell products.

### SRS

#### 1. Introduction

- 1.1. Clearly document and define functional and non-functional requirements by ensuring effective shopping management Catalogue.
- 1.2. Ensure the system is fast, reliable and user friendly.
- 1.3. Describes main features and serves as a reference for all items, ensuring that objectives are met.

#### 2. General description

User community for the system is customers, merchants and IT professionals. Faster and much more convenient way for purchasing products. Key features include user friendly interfaces, products catalogue, searching for products under specific categories.

#### 3. Functional requirements

- \* Provide customer support for any problems.
- \* Verify the customer details.
- \* Accept and process card details.

#### 4. Interface requirements

- \* User friendly and easy to navigate user interface.
- \* Interface that supports multiple payment gateways.
- \* Provide easy communication between customers and merchants.



## 5. Performance requirements.

- \* Quick responses from the interface.
- \* Must process transactions within 2-3 seconds.
- \* Fast search algorithm that provides accuracy.

## 6. Design constraints

- \* Data security
- \* Mode of payment to be accepted.
- \* Region of Service.

## 7. Non-functional requirements

- \* Security: System has to ensure that all user details along with credit card information is stored safely and is protected from unauthorized access.
- \* Portability: Has to be designed to run across multiple platforms and multiple devices.
- \* Data leak should not occur.

## 8. Preliminary budget and schedule

- \* Planning: 1 month
- \* Development: 5 months
- \* Testing: 2 months
- \* Hardware: \$20,000
- \* Training: \$10,000
- \* Personal: \$25,000.