

## Online Shopping System

### 1. Introduction

#### 1.1 Problem Statement

The rise of e-commerce has revolutionized the way people shop. With the increasing number of people shopping online, there is a ~~need~~ need for such a system. The primary problem faced by online shoppers is the inconvenience of searching through numerous websites for products, comparing prices and checking product availability. This can be resolved by developing an online shopping system that can provide a good shopping experience.

#### 1.2 Scope:

This document outlines the requirements for the development of an online shopping system that will provide a seamless experience for users. The system will be accessible through a web-based platform and will have features such as product catalog and search.

#### 1.3 Overview:

The online shopping system will be designed to be user friendly, fast and secure. It will be ~~designed to be user-friendly~~ developed using a scalable and robust architecture, with a cloud-based database management system and will ensure security through data encryption.

### 2. General Description

The system will be a web-based application accessible through a web browser. The system will provide features such as product catalog, product search and payment processing. The system will store all the data in a central database that can be accessed by authorized users.

### 3. Functional Requirements:

The online shopping system will have requirements like a product catalog, product search, shopping cart, checkout, payment processing.



#### 4) Interface Requirements

The online system should have a user-friendly interface, where users can search for products and they should be able to add it to cart. ~~At the interface must be~~ All different payment modes must be accepted.

#### 5) Performance Requirements

The system must be fast and responsive. Its response time should be ~~not~~ 3 seconds. It should be Scalable and secure.

#### 6) Design Constraints

The system should be developed on a web-based platform, using a Scalable and robust architecture with a cloud-based database management system.

#### 7) Non-Functional Attributes

The system should be user-friendly, reliable and secure.

#### 8) Preliminary Schedule and Budget

The development of the system is expected to take 5 months with a budget of \$100,000.