

# **1. Introduction**

## **1.1 Purpose**

The software requirements for the E-Commerce Website provide a detailed description of the design elements and features for this application. The scope of the E-Commerce Website covered in this document describes the first version of the system.

## **1.2 Document Conventions**

The document uses Arial and Times New Roman fonts throughout. Major headers use Times New Roman, bold, size 18 font with subsection headers using Times New Roman, bold, size 14 font. Smaller subsections use Times New Roman, size 12 font. Any part of the document that is not a header uses Arial, size 11 font. Each requirement is assigned a priority level. Priority for higher-level requirements is assumed to be inherited by more detailed requirements. Each requirement is organized by clearly stated sections for better readability.

## **1.3 Intended Audience and Reading**

This document is created for the varying stakeholders involved in the design and development of the E-Commerce Website. The readers include developers and testers. It is organized to the needs of each role, providing relevant information to their concerns. Developers can find detailed specifications in the sections related to design and implementation, system features, and functional and non-functional requirements. Testers' concerns will be with the functionality of the product as well as the safety and security requirements. The remainder of the document provides a product description and technical requirements. Section two gives an overall description, section three states the system's functional features, and section four describes the non-functional requirements.

## **1.4 Product Scope**

The E-Commerce Website is a comprehensive web application aimed at creating an efficient e-commerce experience for users such as buyers, sellers, and administrators. The platform's primary goal is to facilitate smooth transactions between buyers and sellers with a user-friendly interface and strong functionality. Some key features include user authentication, role-specific actions, and a secure and efficient payment system.

## **1.5 References**

Django Framework: <https://www.djangoproject.com/>

- A high-level Python web framework encouraging rapid development and a clean design.

HTML, CSS, JavaScript:

- Fundamental web development technologies used for structuring, styling, and interactivity.

Python: <https://www.python.org/downloads/release/python-3121/>

- Versatile programming language widely used in web development.

SQLite:

- A lightweight, file-based database management system. It's used through Django for data storage.