Project Overview

This document outlines the key aspects of the e-commerce website, covering its core features, functionalities, and technical details. Designed for a seamless shopping experience, the platform is fully responsive and user-friendly. It includes dynamic product listings, advanced search and filtering options, and a secure checkout process.

Functionality of E-Commerce Website

User Interface & Experience

- Fully responsive design for desktops, tablets, and mobile devices.
- Intuitive and easy-to-navigate interface.
- Dynamic and high-performance user experience.

Product Management

- Organized product listings with categories and filtering options.
- Detailed product pages featuring images, descriptions, and pricing.
- Smart search functionality for quick product discovery.
- Advanced filters for sorting by price, name, and category.

Shopping & Checkout

- Add to cart and remove items functionality.
- Secure and optimized checkout process.

Pagination

- Allows users to navigate through multiple pages of product listings.
- Enables easy navigation between pages.
- Clickable page numbers for quick access to a specific page.
- Loads more products dynamically as the user scrolls down

Technology Tools Used

- Frontend: Next.js, React.js, Tailwind CSS
- Backend: Sanity CMS for dynamic content management.
- State Management: useState, useEffect, useContext
- Deployment: Vercel or any preferred cloud hosting
- Payment & Shipping: Integration with Stripe and ShipEngine