Q-Commerce Website Documentation

1. Project Overview

This document explains the q-commerce website in detail, covering its features, how it works, and the technical details. The platform is easy to use, works well on all devices, and provides a smooth shopping experience with features like product listings, search, filters, and a secure checkout process.

2. Features and Functionality

2.1 User Interface & Experience

- Fully responsive design for desktop, tablet, and mobile.
- Clean and intuitive navigation.
- Dynamic UI with optimized performance.

2.2 Product Management

- Product listing page with categories and filters.
- Detailed product page with images, descriptions, and pricing.
- Search functionality to find products easily.
- Filter options by price, name, and categories.

2.3 Shopping & Checkout

- Add to cart and remove items functionality.
- Secure and optimized checkout process.
- Integration with ShipEngine for seamless shipping management.
- User authentication for a personalized experience.

3. Technology Stack

- **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

4. Admin Panel (If applicable)

● Manage products, categories, and pricing.
● View orders and track customer purchases.
● User role management and access control.

5. Security & Data Protection

● User authentication and role-based access.
● Secure payment gateway with encrypted transactions.
● Database protection and secure API handling.

6. Maintenance & Support

● Regular updates for performance and security.
● Bug fixes and continuous improvements.
● Support for feature enhancements as needed.

7. Deployment & Access

● The website will be deployed and accessible via a domain.
● Admin access will be provided for content and order management.
● Repository access can be shared securely (private repository management post-hackathon).

8. Future Enhancements

● AI-based product recommendations.
● Wishlist and saved items functionality.
● User analytics for better customer insights.

For any further inquiries or support, please contact us at [Your Contact Information].