**QuickTrade**

**1. Purpose**

**This document aims to provide detailed requirements for a .NET-based web project that allows users to upload items they want to sell, while other users can browse and purchase these items using multiple payment methods.**

**1.1 End Users**

* **Primary Users: Sellers, Buyers, Technical Support Staff.**
* **Secondary Users: Administrators, Payment Handlers, Supervisors.**

**1.2 Intended Use**

* **The system will be used as an e-commerce platform that enables users to buy and sell products securely and efficiently.**

**1.3 Scope**

* **The project will operate on the web through modern browsers.**
* **Integration with various payment gateways.**

**2. General Description**

**2.1 User Needs**

* **Ability to create accounts for sellers and buyers.**
* **Upload and display products with details and images.**
* **Search and filter products by category and price.**
* **Add products to a shopping cart and complete purchases.**
* **Support for multiple payment methods like credit cards and digital wallets.**

**2.2 Assumptions and Dependencies**

* **The project relies on SQL Server as the database.**
* **Requires ASP.NET Core runtime environment.**
* **Integration with payment gateways like PayPal or Stripe.**

**3. System Features and Requirements**

**3.1 Functional Requirements**

* **User authentication and registration for buyers and sellers.**
* **Product management (upload, edit, delete, categorize).**
* **Order tracking system to monitor order status.**
* **Shopping cart management for users.**
* **Multiple payment methods support for easier transactions.**

**3.2 System Features**

* **Multi-language support for a broader audience.**
* **Responsive UI that adapts to mobile and desktop devices.**
* **Optimized search and filtering for better product discovery.**

**3.3 Non-Functional Requirements**

* **Performance: Page load time should be fast.**
* **Security: Data encryption.**
* **Availability: 99.9% uptime guarantee.**