

## 1. Introduction

- **Project Goal:** To create a comprehensive eCommerce website for selling products online.
- **Target Audience:** Customers looking for an easy and secure online shopping experience.

## 2. Website Design and User Interface

- **User Interface Design:** Attractive and user-friendly interface design using HTML, CSS, and JavaScript.
- **User Experience:** Ensuring a smooth user experience through responsive design that fits all devices (mobile, tablet, and desktop).

## 3. Website Interaction Steps

- **Registration and Login:** Secure user registration system using C# and ASP.NET.
- **Product Browsing:** Organized display of products with search and filter capabilities.
- **Add to Cart:** Ability to add products to the shopping cart.
- **Electronic Payment:** Integration with electronic payment gateways to ensure secure and easy transactions.

## 4. Detailed Work on Pages

- **Product Page:** Display product details, images, and reviews.
- **Cart Page:** Display added products with options to modify quantities or remove items.
- **Checkout Page:** Enter payment and shipping information.
- **Order Confirmation Page:** Confirm the order and display a summary.

## 5. Technology and Tools Selection

- **Languages and Technologies:**
  - **C# and ASP.NET:** For backend development.
  - **SQL:** For database management.
  - **HTML, CSS, and JavaScript:** For frontend development.
  - **Angular:** For advanced interactivity in the user interface.
- **Development Tools:**
  - **Visual Studio:** Integrated Development Environment (IDE) for .NET applications.
  - **SQL Server Management Studio:** For database management.
  - **Git:** For version control and source code management.

## 6. Implementation Plan

- **Phase 1:** Requirements analysis and interface design.

- **Phase 2:** Backend and frontend development.
- **Phase 3:** Integration of the electronic payment system.
- **Phase 4:** System testing and quality assurance.
- **Phase 5:** Website launch and performance monitoring.