Project – Online Shopping WebApp

Functional and non-functional requirements: -

1. User Login: Allow users to login accounts and start their shopping.

2. Product Catalog: Display a comprehensive catalog of available products, including details such as name, description, price, and images.

3. Search and Filtering: Enable users to search for specific products and filter results based on various criteria such as category, price range, brand, and availability.

4. Shopping Cart: Allow users to add items to their shopping cart, view the contents, modify quantities, and remove items before proceeding to checkout.

5. Order Placement: Enable users to place orders by selecting items from the shopping cart, specifying the shipping address, choosing a payment method, and confirming the purchase.

6. Payment Processing: Users can pay online through secure payment gateways.

Non-functional Requirements:

1. Usability: The website must have user-friendly interface, making it easy for users to navigate, search for products, and complete transactions.

2. Performance: The system should be capable of handling a large number of simultaneous users, quick search results, and smooth checkout processes.

3. Scalability: The system can handle growing user traffic and increasing product inventory without significant performance degradation.

4. Compatibility: Ensure compatibility across different devices, platforms, and browsers, allowing users to access and use the online shopping platform seamlessly from various devices (e.g., desktops, mobiles, tablets) and operating systems.

5. Integration: Enable integration with external systems and services, such as inventory management, logistics, and payment gateways, to streamline operations and provide a seamless end-to-end shopping experience.