

# **Functional Requirements Document (FRD)**

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# **1. Introduction**

This Functional Requirements Document (FRD) outlines the detailed functionalities required for the development of an eCommerce website. It serves as a comprehensive guide for developers, designers, and stakeholders to ensure that the system meets the business needs and user expectations.

# **2. Purpose**

The purpose of this document is to provide a clear and concise outline of the functional requirements for the eCommerce website, allowing the development team to build a platform that meets user needs and business objectives.

# **3. Scope**

The scope of this document covers the functional requirements for the eCommerce platform as specified in the Business Requirements Document (BRD). The focus is on user interaction, administrative capabilities, and system integrations necessary for the platform's operation.

## 4. Functional Requirements

### 4.1 User Requirements

Requirement ID	Description	Priority	Comments
FR001	Intuitive navigation with clear menus and search capabilities.	Must	Ensures users can easily find products.
FR002	Responsive design compatible with all device types.	Must	Enhances user experience across devices.
FR004	Users can create accounts via email or social media.	Want	Provides flexibility for user registration.
FR005	Profile management for personal details, addresses, and payment methods.	Must	Allows users to manage their information.
FR006	Access to order history and shipment tracking.	Must	Enhances user transparency and trust.
FR010	Prominent search bar with autocomplete suggestions.	Want	Improves product search efficiency.
FR012	A user-friendly shopping cart for item management.	Must	Facilitates an easy checkout process.
FR013	Multiple payment methods including guest checkout.	Must	Increases customer convenience.
FR014	Order confirmation and shipping notification emails.	Must	Keeps users informed about their orders.
FR020	Functionality for seasonal sales and flash deals.	Must	Promotes user engagement and sales.
FR021	Easily accessible contact information.	Must	Ensures users can reach support easily.
FR025	User reviews and ratings on products.	Must	Builds community trust and product visibility.

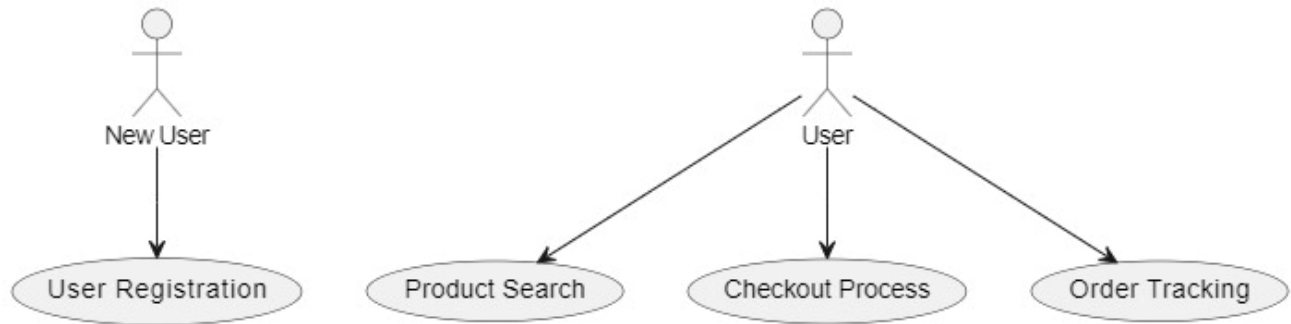
## 4.2 Admin Requirements

Requirement ID	Description	Priority	Comments
FR007	Admin interface for adding/editing/removing products with details.	Must	Allows inventory management.
FR008	Categories and subcategories for product organization.	Must	Improves product discoverability.
FR009	Inventory tracking and low stock alerts.	Must	Helps maintain stock levels.
FR024	Integration for email marketing and social media sharing.	Must	Facilitates promotional activities.
FR027	Reports on sales performance and customer demographics.	Must	Provides insights for business decisions.

## 4.3 Security and Compliance

Requirement ID	Description	Priority	Comments
FR028	Compliance with GDPR and data protection regulations.	Must	Ensures legal compliance.
FR029	Secure storage and encryption of user data.	Must	Protects user privacy and data integrity.

## 5. Use Cases



## 6. Roles and Responsibilities

- **Project Manager:** Oversees project progress, coordinates team efforts, and communicates with stakeholders.
- **Business Analyst:** Gathers and documents requirements, liaises with stakeholders.
- **Developers:** Implement specified features and functionalities.
- **UI/UX Designers:** Create user-friendly interfaces.
- **Quality Assurance (QA):** Conducts testing to ensure compliance with requirements.
- **Marketing Team:** Manages promotional activities and customer engagement.

## 7. Assumptions

- Users have access to the internet and compatible devices.
- Stakeholders will provide timely feedback and decisions.
- Sufficient budget and resources are allocated for project completion.

## 8. Limitations

- Initial launch may only support English and local currency.
- Feature scope may be limited based on budget constraints.
- Customization options may be limited due to platform design.

## 9. Dependencies

- Integration with payment gateways (e.g., PayPal, Stripe).
- Third-party shipping services.
- Hosting and server resources.

## 10. Glossary

- **eCommerce:** Buying and selling of goods or services over the internet.
- **UX (User Experience):** The overall experience a user has while interacting with a website.
- **GDPR:** General Data Protection Regulation, a legal framework for data protection and privacy in the EU.