**Requirements**

**User Registration and Management**

* Users can create and manage their accounts.
* Different user roles (e.g., customers, admin).

**Product Management**

* Ability to add, update, delete, and search for medications and health products.
* Display product details, including price, description, and availability.

**Ordering and Checkout Process**

* Users can add products to their cart and proceed to checkout.
* Integration of payment gateway for processing payments.

**Order Tracking and Management**

* Users can view their order history and track current orders.
* Pharmacists and admins can manage orders, update statuses, and process returns.

**Non-Functional Requirements**

**Security**

* Secure handling of personal and payment information.
* Compliance with healthcare and data protection regulations).

**Performance**

* Fast loading times and efficient processing of requests.
* Scalability to handle high volumes of users and transactions.

**Usability**

* Intuitive and user-friendly interface.
* Accessible on various devices (responsive design).

**Reliability and Availability**

* High uptime and minimal downtime.
* Backup and recovery mechanisms in place.

**Advanced Functional Requirements**

**Advanced Search and Filter Option**

* Ability to search for medications by name, category, active ingredient, or manufacturer.
* Filtering options based on price, brand, form (e.g., tablet, liquid), and dosage.

**Dynamic Pricing and Discounts**

* System to offer discounts, coupons, and promotional prices.
* Dynamic pricing based on demand, availability, or customer loyalty.

**Health Information and Resources**

* Provision of detailed drug information, usage instructions, side effects, and contraindications.

**Review and Ratings**

* Feature for customers to review and rate products and services.
* Display customer feedback and ratings on product pages.
* The ability for users to manage their health profiles, including medical history, allergies, and chronic conditions.