1. Functional Requirements

1.1 User Management

- **User Registration**: Users can create an account by providing personal details.
  - Must include fields for name, email, password, and contact number.
  - Email verification is required before login.
  - Password must meet security criteria (minimum 8 characters, including letters and numbers).
- **User Login/Logout**: Secure authentication system for logging in and out.
  - Supports "Remember Me" functionality.
  - Locks account after 5 failed login attempts.
- **Profile Management**: Users can update their profile information.
  - Ability to change password with email verification.
  - Option to delete the account permanently.

1.2 Product Management

- **Product Browsing**: Users can view products categorized under Women, Men, and Kids sections.
- **Product Details**: Each product page includes description, images, price, and stock availability.
- **Search Functionality**: Users can search for products by keywords.
  - Should display relevant suggestions while typing.
- **Category and Brand Filtering**: Users can filter products based on predefined categories and brands.
  - Multiple filters can be applied simultaneously.

1.3 Shopping Cart & Checkout

- **Add to Cart**: Users can add products to their cart.

    o Must display confirmation message upon addition.

- **View Cart**: Displays selected products, quantities, and total cost.

- **Checkout Process**: Users can proceed to checkout and place an order.

    o Must validate address, payment details, and coupon codes before placing an order.

- **Coupon Code Validation**: Users can apply discount codes and verify pricing updates.

    o Invalid or expired coupons should return an error message.

- **Billing and Shipping Forms**: Users must fill in valid details to complete a purchase.

    o Mandatory fields must be validated before proceeding.

    o Address autofill feature based on saved user addresses.

1.4 Order Management

- **Order History**: Users can view their past purchases.

- **Order Tracking**: Provides order status updates.

    o Includes expected delivery dates.

    o Displays real-time tracking if available.

1.5 Contact and Support

- **Contact Us Form**: Users can submit inquiries or feedback.

    o Must validate email and message fields before submission.

- **Validation Messages**: Proper error handling for invalid inputs.

- **FAQs Section**: Frequently asked questions and answers.

1.6 Test Cases and API Testing

- **Test Cases**: A section containing predefined test scenarios.

- **API Testing**: Provides APIs for users to practice automation testing.

- **GET, POST, PUT, DELETE Requests**: Ensuring API functionalities work correctly.

1.7 Video Tutorials

- **Tutorial Access**: Users can watch video tutorials related to testing methodologies.

2. Non-Functional Requirements out of scope