

Use Cases for E-commerce Application

User Registration and Login

1. User Registration

- **As a** new user
- **I want to** create an account by providing my username, email, and password
- **So that** I can have a personalized shopping experience and track my orders

2. Email Verification

- **As a** new user
- **I want to** receive a verification email upon registration
- **So that** I can verify my email address and activate my account

3. User Login

- **As a** registered user
- **I want to** log in using my email and password
- **So that** I can access my account and make purchases

4. Password Recovery

- **As a** user who forgot my password
- **I want to** recover my password through email
- **So that** I can regain access to my account

User Profile Management

5. View Profile

- **As a** logged-in user
- **I want to** view my profile information
- **So that** I can see my personal details and account settings

6. Edit Profile

- **As a** logged-in user
- **I want to** edit my profile information such as name, email, and password
- **So that** I can keep my account information up-to-date

7. Manage Shipping Addresses

- **As a** logged-in user
- **I want to** save and manage multiple shipping addresses
- **So that** I can choose the appropriate address during checkout

Product Browsing

8. View Product List

- **As a** user
- **I want to** view a list of products categorized by type
- **So that** I can easily find products I'm interested in

9. Search Products

- **As a** user
- **I want to** search for products using keywords
- **So that** I can quickly find specific items

10. Filter Products

- **As a** user
- **I want to** filter products by price, category, brand, and rating
- **So that** I can narrow down my search to products that meet my criteria

Product Details

11. View Product Details

- **As a** user

- **I want to** view detailed information about a product
- **So that** I can make an informed decision before purchasing

12. View Product Images

- **As a** user
- **I want to** see multiple images of a product
- **So that** I can get a better understanding of the product's appearance

13. Read Reviews and Ratings

- **As a** user
- **I want to** read user reviews and ratings for a product
- **So that** I can assess the product's quality and performance

Shopping Cart

14. Add Products to Cart

- **As a** user
- **I want to** add products to my shopping cart
- **So that** I can purchase them later

15. View Shopping Cart

- **As a** user
- **I want to** view the contents of my shopping cart at any time
- **So that** I can see what items I have selected for purchase

16. Update Cart Quantity

- **As a** user
- **I want to** update the quantity of items in my shopping cart
- **So that** I can adjust my order before checkout

17. Remove Items from Cart

- **As a** user

- **I want to** remove items from my shopping cart
- **So that** I can manage my order and remove unwanted items

Checkout Process

18. Proceed to Checkout

- **As a** user
- **I want to** proceed to checkout from my shopping cart
- **So that** I can complete my purchase

19. Select Shipping Address

- **As a** user
- **I want to** select or enter a shipping address during checkout
- **So that** my order can be delivered to the correct location

20. Select Payment Method

- **As a** user
- **I want to** select a payment method (credit card, PayPal, etc.) during checkout
- **So that** I can pay for my order securely

21. Review Order Summary

- **As a** user
- **I want to** review my order summary before making a payment
- **So that** I can ensure all details are correct

22. Receive Order Confirmation

- **As a** user
- **I want to** receive an order confirmation email after successful payment
- **So that** I have a record of my purchase

Admin Management

23. Manage Products

- **As an** admin
- **I want to** add, update, and delete products
- **So that** I can keep the product catalog up-to-date

24. View Orders

- **As an** admin
- **I want to** view and manage orders
- **So that** I can track and fulfill customer orders