

# Use Cases

## 1. SignUp

- 1.1. **Name:** SignUp
- 1.2. **Actors Involved:** Guest User
- 1.3. **Precondition:** The user must have a valid Email ID.
- 1.4. **Description:** On successful signup i.e. after entering the required fields like Name, Address, Contact Details, etc., the details are added to the MyAmazon database.
- 1.5. **Postcondition:** User confirmed by system as a registered user.
- 1.6. **Queries:**
  - Add users to the database.  
Username, email, mobile, first name, last name, hashed password, address, payment method(optional)

## 2. Login

- 2.1. **Name:** Login
- 2.2. **Actors Involved:** Customer
- 2.3. **Precondition:** User must have already registered on MyAmazon
- 2.4. **Description:** Email ID and password are entered by the user and are verified by the MyAmazon database for authentication.
- 2.5. **Postcondition:** Customer can proceed to use the service
- 2.6. **Queries:**
  - Check whether the password of username "Rohan" is "5512".

//validate user

## 3. Search Items

- 3.1. **Name:** Search Items
- 3.2. **Actors Involved:** Customer, Supplier, Guest User
- 3.3. **Precondition:** None
- 3.4. **Description:** The search items feature allows the actor to find products on the website by typing the keyword of the item.
- 3.5. **Postcondition:** The service displays the list of all items related to that keyword.
- 3.6. **Queries:**
  - List all the products based on the keyword.

Returns product name {apply full text on description}

#### 4. Browse Items

4.1. **Name:** Browse Items

4.2. **Actors Involved:** Customer, Supplier, Guest User

4.3. **Precondition:** None

4.4. **Description:** The browse items feature allows the actor to browse items in the catalog on the service. The users can select categories and subcategories and use filters for price, brand, ratings, in stock, etc.

4.5. **Postcondition:** The service displays the list of all items under the selected categories with the selected filters (if any)

4.6. **Queries:**

- List all products of the selected category.
  - List all products of the selected category with a particular price range.
  - List all products for a specified material/ type for a category.
  - List all products under a category with a rating higher than the desired rating.
  - List of all products of a particular brand (under a category).
- Returns product id and product name

#### 5. View and Select Item

5.1. **Name:** View and Select Item

5.2. **Actors Involved:** Customer, Supplier, Guest User

5.3. **Precondition:** None

5.4. **Description:** The view and select item feature allow the actor of the service to view the details and select the product he/ she wants to purchase.

5.5. **Postcondition:** Customer can either buy the item now or add the item to the shopping cart.

5.6. **Queries:**

- Display all/ some details of a particular item - availability, feedbacks, rating, Exchange date policy, actual price, discount, price after discount, image, brand name, description, category etc.

#### 6. Buy Item Now

- 6.1. **Name:** Buy Item Now
- 6.2. **Actors Involved:** Customer (Registered User)
- 6.3. **Precondition:** None
- 6.4. **Description:** The buy item now feature allows the user of the service to quickly order an item using the “Buy Now” button.
- 6.5. **Postcondition:** The system confirms the order has been placed.
- 6.6. **Queries:**
  - Add order to the database.  
Order id, Order date, customer id, shipping details, payment, product details, the total amount

## 7. Add to Shopping Cart

- 7.1. **Name:** Add to Shopping Cart
- 7.2. **Actors Involved:** Customer (Registered User)
- 7.3. **Precondition:** None
- 7.4. **Description:** The add to shopping cart feature allows the user of the service to add an item(s) to his/her cart.
- 7.5. **Postcondition:** Item(s) become available for checkout.
- 7.6. **Queries:**
  - Add product(s) to the shopping cart.  
Customer id, quantity, total price, product id

## 8. View Shopping Cart

- 8.1. **Name:** View Shopping Cart
- 8.2. **Actors Involved:** Customer
- 8.3. **Precondition:** None
- 8.4. **Description:** The view shopping cart feature allows the actor of the service to view the list of items in the shopping cart.
- 8.5. **Postcondition:** Actor reviews item(s) in the shopping cart.
- 8.6. **Queries:**
  - Display the product(s) in the shopping cart.
  - Display the total cart value.
  - Display the number of items in the shopping cart.
  - Delete product(s) from the shopping cart.
  - Add product(s) from the shopping cart to the “Wishlist” list.

## 9. Add to Wishlist

- 9.1. **Name:** Add to Wishlist
- 9.2. **Actors Involved:** Customer
- 9.3. **Precondition:** None
- 9.4. **Description:** The add to wishlist feature allows the user of the service to add an item(s) to his/her wishlist.
- 9.5. **Postcondition:** Item(s) are added to the wishlist and can be purchased anytime (if in stock)
- 9.6. **Queries:**
  - Add product(s) to the wishlist.  
Customer id, product id, product name

## 10. View Wishlist

- 10.1. **Name:** View Wishlist
- 10.2. **Actors Involved:** Customer
- 10.3. **Precondition:** None
- 10.4. **Description:** The view wishlist feature allows the actor of the service to view the list of item(s) in their wishlist.
- 10.5. **Postcondition:** Actor reviews item(s) in their wishlist
- 10.6. **Queries:**
  - Display the product(s) in the wishlist.
  - Display the total value of items in the wishlist.
  - Display the number of items in the wishlist.
  - Delete product(s) from the wishlist.

## 11. Proceed to checkout

- 11.1. **Name:** Proceed to checkout
- 11.2. **Actors Involved:** Customer
- 11.3. **Precondition:** None
- 11.4. **Description:** The proceed to checkout feature allows the actor of the service to make payment and complete the order. It displays the checkout window with a summary of the order, payment, and delivery address.
- 11.5. **Postcondition:** Actor is ready to checkout item
- 11.6. **Queries:**  
Order id, Order date, customer id, shipping details, payment, product details, the total amount

## **12. Enter method of delivery**

**12.1. Name:** Enter method of delivery

**12.2. Actors Involved:** Customer

**12.3. Precondition:** None

**12.4. Description:** The service shows a list of addresses associated with the account of the customer. The actor selects the desired shipping address from the list, or add a new address.

**12.5. Postcondition:** Actor successfully specifies the method of delivery.

**12.6. Queries:**

- Display list of all addresses of a customer.
- Add a new shipping address for the customer.
- Delete a previously listed address.

Name, street,city,state,country,pincode

## **13. Make payment**

**13.1. Name:** Make payment

**13.2. Actors Involved:** Customer

**13.3. Precondition:** None

**13.4. Description:** The make payment feature allows the actor of the service to pay for items in the shopping cart.

**13.5. Postcondition:** The system shows a list of payment methods like a credit card, debit card, other UPI Apps, Net Banking, Pay on Delivery, gift card, and promotion code

**13.6. Queries:**

- Display a list of all possible payment methods.
- Add the selected payment method for the order details for the customer.

Customer id, payment id, order id , amount, payment type

// Banker Name, Transaction Reference, Payment Mode

## **14. Review and order item**

**14.1. Name:** Review and order item

**14.2. Actors Involved:** Customer

**14.3. Precondition:** None

**14.4. Description:** The review and order item feature allows the actor of the service to complete the order.

**14.5. Postcondition:** The actor successfully orders an item

#### **14.6. Queries:**

- Display order details: EDD, Payment method, Order ID, Shipping Address, Order Status.
- Delete/cancel the order.

Order id, Order date, customer id, shipping details, payment, product details, the total amount

### **15. Edit Profile**

**15.1. Name:** Edit Profile

**15.2. Actors Involved:** Customer

**15.3. Precondition:** The user must have a valid Email ID and mobile number

**15.4. Description:** The edit profile feature allows the actor of the service to update their Email ID, Name, and Contact Details.

**15.5. Postcondition:** The updated details are saved in the database

#### **15.6. Queries:**

- Display the old Email ID, Name, and Contact details of the customer.
- Update Email ID, Name, Contact Details.

### **16. Your Addresses**

**16.1. Name:** Your Addresses

**16.2. Actors Involved:** Customer

**16.3. Precondition:** None

**16.4. Description:** View and edit addresses for orders.

**16.5. Postcondition:** The updated address is saved in the database

#### **16.6. Queries:**

- Display list of old addresses of the customer.
- Delete address.
- Add a new address.
- Edit an already listed address. ([View](#))

### **17. Previous Orders**

**17.1. Name:** Previous Orders

**17.2. Actors Involved:** Customer

**17.3. Precondition:** None

- 17.4. Description:** The previous orders feature allows the actor to view a summary of his/her previous orders.
- 17.5. Postcondition:** The system returns a list of the previous orders.
- 17.6. Queries:**
- Display all the orders placed by the customer.
  - Display the number of orders made by a customer.  
Customer id, order id

## **18. Supplier Registration**

- 18.1. Name:** Supplier Registration
- 18.2. Actors Involved:** Supplier
- 18.3. Precondition:** None
- 18.4. Description:** On successful registration i.e. after entering the required fields like Store Name, Store Address, Contact Details, etc., the details are added to the MyAmazon database.
- 18.5. Postcondition:** User confirmed by service as a registered supplier
- 18.6. Queries:**
- Add supplier to the database.  
Supplier id, supplier name, company, contact, address, product supplied

## **19. Edit Supplier Details**

- 19.1. Name:** Edit supplier Details
- 19.2. Actors Involved:** Supplier
- 19.3. Precondition:** The supplier must have already registered for the service.
- 19.4. Description:** The edit profile feature allows the actor of the service to update their details like Shop Name, Shop Address, Contact Details, etc.
- 19.5. Postcondition:** The updates are saved to the database.
- 19.6. Queries:**
- Display supplier details.  
Supplier id, supplier name, company, contact, address, product supplied
  - Update supplier contact, address, product supplied.

## **20. Add Product**

- 20.1. **Name:** Add Product
- 20.2. **Actors Involved:** Supplier
- 20.3. **Precondition:** The supplier must have already registered for the service.
- 20.4. **Description:** The Add Product feature allows the supplier to add Product(s) to the system. The supplier enters details of the product like Price, Discount, Category, Brand Name, Availability, Image, etc.
- 20.5. **Postcondition:** The product is now available for purchase
- 20.6. **Queries:**
  - Add Product(s) to the database with Product Name, Product Category, Product subcategory, Price, Discount, Brand Name, thumbnail, description, quantity, returnable policy, etc.

## 21. Edit Product

- 21.1. **Name:** Edit Product
- 21.2. **Actors Involved:** Supplier
- 21.3. **Precondition:** The supplier is registered and the product details are saved in the database
- 21.4. **Description:** The Edit Product feature allows the supplier to update the details of their product like availability, discount offered, etc.
- 21.5. **Postcondition:** The product details are updated
- 21.6. **Queries:**
  - Delete a product.
  - Update the discount offered on the product.
  - Update the availability status of the product.

## 22. Order Status

- 22.1. **Name:** Order Status
- 22.2. **Actors Involved:** Shipping Agent
- 22.3. **Precondition:** The shipping agent must have the Order ID
- 22.4. **Description:** To keep the customer updated, the shipping agent can update the order's current location, its EDD, etc.
- 22.5. **Postcondition:** Order status updated and can be viewed by the customer.
- 22.6. **Queries:**



- Update the location of the order.
- Update the EDD of the order.
- Update the status as delivered, once the order is delivered.

Status, EDD

## **23. Shipping Details**

**23.1. Name:** Shipping Details

**23.2. Actors Involved:** Shipping Agent

**23.3. Precondition:** None

**23.4. Description:** Contains the details of the shipper: ID and Contact Details.

**23.5. Postcondition:**

**23.6. Queries:**

- Add shipper to the database  
Shipper id, order id, contact, address.

## **24. Track Order**

**24.1. Name:** Track Order

**24.2. Actors Involved:** Customer

**24.3. Precondition:** The customer must have the Order ID

**24.4. Description:** The track order feature allows the customers to keep a track of their order like its current location and EDD.

**24.5. Postcondition:** The customer reviews the order status

**24.6. Queries:**

- Display the status of an order.
- Display the EDD of an order
- Display the current location of the order.

Order id, product id, company, tracking number, status, EDD

## **25. Feedback and Ratings**

**25.1. Name:** Feedback and Ratings

**25.2. Actors Involved:** Customer

**25.3. Precondition:** The customer must be registered.

**25.4. Description:** This feature allows the customer to assign a rating(0-5 points) or add some feedback/ comment for a product.

**25.5. Postcondition:** The rating is updated and a new comment for the product is added to the database.

**25.6. Queries:**

- Add feedback for a product(/s).
- Assign a rating to a product(/s).
- Return the number of customers who have posted their feedback.