

## Queries for MyAmazon E-commerce Application

### 1) Signup:

- Add the new user to the database.

Username, email, mobile, name, address, password (hashed), payment method(optional)

### 2) Login:

- Select username from db where username="XYZ"
- Select password from db where username="XYZ"  
if(password!="123") throw error;

### 3) Browse products:

- Select all products from db where productName like 'abc%'
- Select all products from db of a particular category.
- Select all products from db within a price range.
- Select all products from db of a particular brand.
- Select all products where rating>3.5
- Select all or some details of a particular item (availability, feedback, rating, exchange date, mrp, brand name, category, **discounted price, discount**)

And other such browsing-related queries.

### 4) View reviews:

- Select all reviews from db where productID="123"
- Add rating and review for a product from a customer.

### 5) Buy now:

- Add order to the database. (insert {orderId, productDetails, userID, paymentMethod, amountPaid, ShippingDetails} to db)

## **6) Add to cart:**

- Add product to cart. (insert userID, productID, qty, totalPrice to cart)
- Select all products from cart where userID=current userID.
- Delete all from cart where userID is current userID.
- Select sum(price) from cart where userID=current userID
- Select productID from cart where brand name="xyz"
- Select product details from cart where productID="123" and userID=current userID.
- Add products from cart to the wishlist.

And other such selection queries.

## **7) Add to wishlist:**

- Add product to wishlist. (insert userID, productID, qty, totalPrice to cart)
- Select all products from wishlist where userID=current userID.
- Delete all from wishlist where userID is current userID.
- Select sum(price) from wishlist where userID=current userID
- Select productID from wishlist where brand name="xyz"
- Select product details from wishlist where productID="123" and userID=current userID.
- Add products from wishlist to the cart.

And other such selection queries.

## **8) Add delivery address:**

- Update address for the current user.
- Select "add1" from address where userID=current userID and make it default address.
- Delete address where userID=current userID.
- Display all addresses.

## **9) Place an order:**

- Select a product from cart; then place an order.
- View order summary (product IDs of all products selected, discounts applied, final price.)

#### **10) Add payment info:**

- Display all payment methods registered by user.
- Add new payment method.
- Update an existing payment method.
- Select payment type
- Select order id
- Select date of delivery

#### **11) Checkout:**

- Cancel order1 from orders
- Track order1 from orders
- Get payment details of order 1 from orders
- Repeat order1 from orders.

#### **12) Edit profile:**

- Display old email id, name, contact details.
- Store updated email id, name, contact details in the db.
- Display updated email id, name, contact details.

#### **13) Order history:**

- Select all orders from order history. //
- Select sum(price) from order history where userID=current user ID.  
(display total amount spent till now)
- Select productID from orderHistory and repeat order. //time range queries

#### **14) Seller registration:**

- Add supplier to the database. (supplier will have details like supplier name, supplier ID, warehouse/store location, company name, etc.)
- Check if supplier ID exists in the database.

#### **15) Edit seller details:**

- Update warehouse location.
- Delete “add2” from addresses where supplierID=current supplier ID.
- Select all details from db where supplier ID=current supplier ID.
- Select all products from db where supplier ID = current supplier ID.

#### **16) Add/edit product details:**

- Add products to the database. (it will have details like product image, product ID, product name, brand name, quantity, price, discount, product category, subcategory)
- Edit product quantity where product ID=”23”
- Update availability status of a product where product id=”123”
- Delete a product from db where supplier ID=”xyz” and product ID=”123”
- Add new variants and images of the products.

#### **17) Shipping agency:**

- Add shipping agency to the database.
- Update location of shipping agency.
- Add a new location for shipping agency.