**3. Requirements Gathering**

• **Stakeholder Analysis**: targeting users who want to "browse electronics (laptops, mobiles, cameras), add them to a shopping cart, and complete purchases using integrated payment gateways.

• **User Stories & Use Cases**:

**Use Cases:**

**1.User Registration (**actor: user)

**2.Adding a Product (**actor: Seller)

**3.** **Adding Items to Cart and Checkout (**actor: Customer**)**

**4.** **Managing User Accounts (**Actor: Administrator)

• **Functional Requirements**:

**User Account Management:**

1.Registration and Login (including social login options)

2.Password recovery

**Product Management (for sellers/admins):**

1.Add/edit/delete product listings (including images, descriptions, pricing)

**Shopping Cart and Checkout:**

1.Add/remove items from the cart

2.View cart contents

**Payment Processing:**

1.Integration with multiple payment gateways (e.g., credit cards, PayPal, mobile wallets)

2.Secure storage of payment information (tokenization)

3.Transaction history

• **Non-functional Requirements:**

**Performance:**

1.Fast page load times

2.Scalability to handle increasing traffic

3.Efficient database queries

**Usability:**

* Intuitive and user-friendly interface
* Responsive design (mobile-friendly)

**Compatibility:**

* Compatibility with different operating systems and devices