# Introduction

Amazon is a multinational technology company focusing on e-commerce, cloud computing, digital streaming, and artificial intelligence.

Amazon! Founded in 1994 by Jeff Bezos. Headquarters is in seattle, Washington, USA." Shop anywhere, anytime with the Amazon app.

• Discover millions of products, read reviews, and compare prices.

• Track your orders and receive delivery updates. Access exclusive deals, discounts, and Lightning Deals

• Use Google assistance to search, shop, and manage your orders

## Requirements for Application

1. New Payment Gateway Integration

2. Improved Product Recommendations

3. Enhanced Search Functionality

4. Real-Time Order Tracking

5. Multi-Language Support

6. Improved User Profile Management

## Requirements of application

1. User registration and login

2. Product search and filtering

3. Secure payment options

4. Easy checkout process

5. Order tracking and updates

6. Product reviews and ratings

7. Responsive design for mobile and tablet

8. Secure data storage and protection

## Make role play for a Amazon application

Shashank : "Hey, have you tried the new Amazon app?"

Soma : "Yeah, I downloaded it last week! It's so much easier to shop on my phone now."

Shashank : "Totally! I love how I can just speak to Alexa and she'll find what I'm looking for."

Soma : "Exactly! And the personalized recommendations are spot on. I found this amazing book that I never would have discovered otherwise."

Shashank : "That's awesome! I've been using it to track my packages too. It's so convenient to get updates on my deliveries."

Soma : "Yeah, me too! And have you tried the 'Deal of the Day' section?"

Shashank : "No, I haven't! Is it good?"

Soma : "Definitely! I scored an amazing deal on a kitchen appliance last week. You should totally check it out!"

Shashank : "Will do! Thanks for the tip!"

## 2. Identify a Problem and Prepare Requirement Document or Epics and User Stories

➤ Problems faced by Amazon application

➤Epic: Amazon

## Problems

1. Account issues :login, password, suspension

2. Order problems :cancellations, delays, lost packages

3. Payment issues :errors, refunds, incorrect charges

4. Product problems :defective, incorrect, quality issues

5. Customer service issues: unresponsive, unresolved

6. Technical issues :app crashes, website errors

7. Security concerns :hacking, phishing, counterfeit products

**USER  Stories**

## 1. User Registration and login

**Tasks**:

1. Username and Email

2. Password

3. Name and Address

4. Phone Number

5. Verification

## 2. Product Search and Filtering

**Tasks:**

1. Search bar for keyword search

2. Filter products by category, price, brand

3. Sort products by relevance, price, rating

4. Display clear and concise search results

5. Enable filtering by availability (in-stock, out-of-stock)

## 3. Secure Payment Options

**Tasks:**

1. Encrypt payment information

2. Use SSL certificates for secure connections

3. Comply with payment security standards (PCI DSS)

4. Offer multiple payment gateways (e.g. PayPal, Stripe)

5. Process payments in real-time

6. Handle payment errors and declines

7. Provide clear payment information and confirmation

8. Comply with data protection regulations (GDPR)

## 4. Easy Checkout Process

**Tasks:**

1. Guest checkout option

2. Simple and fast checkout process

3. Multiple payment options

4. Clear order summary

5. Mobile-friendly checkout

## 5. Order Tracking and Updates

**Tasks:**

1. Provide order tracking number

2. Update order status in real-time

3. Send automatic email updates

4. Display order status in user account

5. Provide estimated delivery date

## 6. Product Reviews and Ratings

**Tasks:**

1. Allow customers to leave product reviews

2. Display reviews on product pages

3. Enable product ratings (e.g., 1-5 stars)

4. Show average product rating

5. Allow customers to sort products by rating

## 7. Responsive Design for Mobiles and Tablets takes

**Tasks:**

1. Website adapts to different screen sizes

2. Easy navigation on mobile and tablet devices

3. Content is clear and readable on smaller screens

4. Fast loading speed on mobile devices

5. Seamless user experience across devices

## 8. Secure Data Storage and Protection

**Tasks:**

1. Encrypt sensitive customer data

2. Comply with data protection regulations (GDPR, PCI DSS)

3. Implement secure password storage and management

4. Protect against cyber threats and data breaches

5. Regularly update and patch security vulnerabilities