# **TikTok Shop Requirements**

# **Structured Natural Language**

## Sign In

## **Basic Properties**

• **Requirement ID**: AUTH-001

• **Title**: User Authentication

• **Description**: System shall allow registered users to sign in

• Actors: Customer (unauthenticated)

#### Preconditions

• Customer has registered account

- TikTok Shop application is open
- Network connection is available

## **Functional Requirements**

- The system shall display profile icon in navigation header
- When clicked, system shall show account card with:
  - o "Sign in with Google" option
  - o "Sign in with Email" option
- For Google sign-in:
  - Redirect to Google authentication page
  - Validate returned credentials
  - o Create session if valid
- For email sign-in:
  - Display email/password form
  - Validate against stored credentials
- System shall log all sign-in attempts

#### 1.4 Alternative Flows

- Password recovery:
  - o Display "Forgot password" option
  - o Send reset link to registered email
- Cancel sign-in:

- o Return to home page
- Clear partial inputs

# 1.5 Exception Handling

- Invalid credentials:
  - o Show error message
  - o Allow retries (max 3 attempts)
- Account lock:
  - o Temporary lock after failed attempts
  - Notify user via email

- Successful sign-in:
  - o Create active session
  - Redirect to last visited page
- Failed sign-in:
  - o Maintain unauthenticated state
  - Preserve form inputs

# **Sign Out**

#### **Basic Properties**

- **Requirement ID**: AUTH-002
- Title: User Session Termination
- **Description**: System shall allow signed-in users to end their session
- Actors: Customer (authenticated)

#### Preconditions

- Valid user session exists
- Profile menu is accessible

#### **Functional Requirements**

- The system shall display profile icon in authenticated state
- When clicked, system shall show account card with:
  - o "Sign out" as menu option
- Upon sign-out selection:
  - o Immediately invalidate session token
  - Clear authentication cookies
  - Redirect to home page
- System shall log sign-out event with timestamp

#### Alternative Flows

- Cancelled sign-out:
  - Closing account card maintains session
  - No state changes occur

- Successful sign-out:
  - o All protected routes become inaccessible
  - o UI reverts to guest appearance
  - Shopping cart preserved (items remain)
- Cancelled sign-out:
  - o Session remains active
  - No interface changes occur

## **Account Card**

#### **Basic Properties**

- Requirement ID: ACCOUNT-001
- Title: Account Card Display
- **Description**: System shall display account management options
- Actors: Customer (authenticated)

#### Preconditions

- Valid user session exists
- User is on any application screen
- Profile icon is visible

#### **Functional Requirements**

- The system shall:
  - o Display profile icon in header when signed in
  - o Show account card when profile icon is clicked, containing:
    - User profile picture/avatar
    - Account management options
    - Navigation shortcuts
    - Sign out option
  - Close account card when:
    - Profile icon is clicked again
    - User clicks outside the card
    - ESC key is pressed

### Alternative Flows

- No account card display:
  - o If clicked while loading, show loading indicator
  - o If permissions change, refresh card contents

- Successful display:
  - o Account card appears above other content
  - Background content is dimmed
- After closing:

- o UI returns to previous state
- o No system state changes occur

# **Manage Own Account**

## **Basic Properties**

• Requirement ID: ACCOUNT-002

• **Title**: Profile Management

• **Description**: System shall allow users to manage their account details

• Actors: Customer (authenticated)

#### Preconditions

- Valid user session exists
- Account card is accessible

#### **Functional Requirements**

- The system shall:
  - O Display "Manage Account" option in account card
  - o Show profile details page when selected, containing:
    - Current profile picture
    - Registered email addresses
    - Account information sections
  - Support these profile actions:
    - Upload new profile picture (JPG/PNG <5MB)</li>
    - Remove existing profile picture
    - Add secondary email addresses
  - Validate all inputs before saving changes
  - Return to previous view when closed

### Alternative Flows

- Profile picture update:
  - Upload from device storage
  - o Crop/edit interface before confirmation
  - Show upload progress indicator
- Email management:
  - o Verify new email addresses via confirmation link
  - o Limit to 3 secondary emails per account
  - Prevent duplicate email registration

## **Exception Handling**

- Invalid image uploads:
  - o Reject unsupported formats
  - Enforce size limits
  - o Show appropriate error messages
- Email validation failures:
  - Detect invalid email formats
  - o Prevent existing email reuse
  - o Handle SMTP delivery failures

- Successful updates:
  - o Changes reflect immediately in UI
  - Confirmation toast appears
  - Database records update
- Cancelled operations:
  - No changes persist
  - o Return to profile view

#### Home

#### **Basic Properties**

- **Requirement ID**: PAGE-001
- **Title**: Home Page Display
- **Description**: System shall display the TikTok Shop home page
- Actors: Customer (any state)

#### Preconditions

- Customer device meets minimum requirements:
  - o Supported web browser or mobile app installed
  - o Active internet connection
- TikTok Shop service is available

## **Functional Requirements**

- The system shall:
  - o Load home page when:
    - User navigates to root URL
      - User clicks "Home" in navigation
      - User clicks branded logo
  - Display standard page elements:
    - Header with navigation bar
    - Featured products section
    - Personalized recommendations
    - Promotional banners
    - Footer with company links
  - o Maintain responsive design:
    - Adapt layout for mobile/desktop
    - Support portrait/landscape orientations

#### Performance Requirements

- Page shall load within 2 seconds (90th percentile)
- Core content shall be visible within 1 second
- Images may load progressively

- Successful load:
  - o All interactive elements enabled
  - o Analytics event recorded
- Failed load:
  - o Show error message
  - o Offer retry option

# Shop

## **Basic Properties**

• **Requirement ID**: PAGE-002

• Title: Shop Page Display

• **Description**: System shall display the TikTok Shop marketplace page

• Actors: Customer (any state)

#### Preconditions

- Customer has accessed TikTok Shop platform
- Navigation menu is available
- Shop service is operational

## **Functional Requirements**

- The system shall:
  - o Display "Shops" option in main navigation
  - o Load shop page when:
    - User selects "Shops" navigation item
    - User accesses direct shop URL
  - Present standard shop components:
    - Search and filter controls
    - Product category navigation
    - Featured seller highlights
    - Product grid display
    - Sorting options (price, popularity, etc.)
  - Maintain consistent layout:
    - Header/footer persistence
    - Responsive product cards
    - Infinite scroll loading

#### Performance Requirements

- Initial shop render within 1.5 seconds
- Product images load progressively
- Smooth scrolling experience (>60fps)

# • Successful load:

- o All products properly categorized
- o Filter/sort controls functional
- Shopping cart remains accessible

## • Failed load:

- o Display error state
- Provide refresh option

## **All Products**

## **Basic Properties**

• **Requirement ID:** PROD-001

• Title: Product Catalog View

• **Description:** System shall display all available products to customers

• **Actors:** Customer (authenticated)

#### Preconditions

• User is signed in

- User has navigated to Shop page
- Product database is available

#### **Functional Requirements**

- The system shall:
  - o Retrieve and display all active products from database
  - o Present products in responsive grid layout containing:
    - Product image (primary)
    - Product name (max 60 chars)
    - Price (formatted with currency)
    - Average rating (1-5 stars)
    - "Like" button with current count
  - Support these user interactions:
    - Like/unlike products (toggle)
    - Infinite scroll loading
    - Click-to-view details

#### Data Requirements

- Product cards shall display:
  - Minimum 3 product images
  - Current availability status
  - Seller information
  - Shipping options
- Like counts update in real-time
- Sort/filter persists during session

## **Exception Handling**

- Database connection issues:
  - o Display cached products if available
  - o Show "Try Again" option
  - o Log error for technical team
- Empty catalog state:
  - o Show "No products found" message
  - Suggest popular categories

- Successful load:
  - o All active products visible
  - o Like status reflects user preferences
  - Analytics recorded
- Failed load:
  - o Partial content available
  - o Error recovery options shown

## **View Product Details**

#### **Basic Properties**

• Requirement ID: PROD-002

• Title: Product Detail View

• **Description:** System shall display complete product details

• Actors: Customer (authenticated)

#### Preconditions

- User is signed in
- Valid product exists in database
- User has selected a product card

## **Functional Requirements**

- The system shall:
  - o Display dedicated product page containing:
    - Product image gallery (min 3 images)
    - Product title and description
    - Price and discount information
    - Available variants (size/color)
    - Seller information and rating
    - Customer reviews section
    - "Add to Cart" button
  - o Support these interactions:
    - Image zoom/scroll
    - Variant selection
    - Quantity adjustment
    - Share functionality

#### Data Requirements

- Product details shall include:
  - Full specifications
  - Shipping/policy information
  - 5 most recent reviews
  - o Average rating breakdown

o Inventory status (real-time)

## **Exception Handling**

- Missing product data:
  - o Show cached version if available
  - o Display "Product Unavailable" message
  - Suggest similar products
- Loading failures:
  - o Automatic retry (max 2 attempts)
  - O Clear error message with support contact

- Successful load:
  - o Complete product information displayed
  - o Related products suggested
  - View count incremented
- Failed load:
  - Graceful error state
  - o Navigation options preserved

## **Add Product to Cart**

## **Basic Properties**

• **Requirement ID:** CART-001

• Title: Product Addition to Cart

• Description: System shall allow customers to add products to their shopping cart

• Actors: Customer (authenticated)

#### Preconditions

- User is signed in
- Valid product page is displayed
- Product is in stock
- Cart service is available

## **Functional Requirements**

- The system shall:
  - Display "Add to Cart" button on product pages
  - When clicked:
    - 1. Verify product availability
    - 2. Add item to user's cart with:
      - Selected variants
      - Chosen quantity
      - Current price
    - 3. Update cart total calculation
    - 4. Show confirmation notification
  - Support these scenarios:
    - Single item addition
    - Multiple items addition
    - Quantity adjustments (1-10 units)
    - Variant combinations

#### Data Requirements

- Cart shall maintain:
  - o Product ID and details
  - Selected variants

- o Quantity
- o Price at time of addition
- o Added timestamp
- Real-time inventory checks

## **Exception Handling**

- Out-of-stock items:
  - o Prevent addition to cart
  - o Show "Notify When Available" option
- Service failures:
  - o Queue request for retry
  - o Show "Try Again" prompt

- Successful addition:
  - o Cart icon updates with new count
  - Subtotal recalculates
  - o Product remains in catalogue
- Failed addition:
  - o Cart remains unchanged
  - Clear error message displayed

#### Cart

## **Basic Properties**

• **Requirement ID:** CART-002

• **Title:** Shopping Cart View

• **Description:** System shall display current shopping cart contents

• **Actors:** Customer (authenticated)

#### Preconditions

- User is signed in
- Cart icon is visible
- Cart service is available

## **Functional Requirements**

- The system shall:
  - o Provide cart access through:
    - Profile menu navigation
    - Persistent cart icon in header
  - Display cart contents showing:
    - Product image and title
    - Selected variants
    - Current price
    - Quantity selector (1-10)
    - Item subtotal
    - Removal option
  - o Calculate and display:
    - Order subtotal
    - Estimated shipping
    - Applicable taxes
    - Order total
  - Support these interactions:
    - Quantity adjustments
    - Item removal
    - Proceed to checkout

## Data Requirements

- Cart shall reflect:
  - o Real-time inventory status
  - o Current pricing
  - o Available promotions
  - Saved shipping preferences

## **Exception Handling**

- Unavailable items:
  - o Highlight affected products
  - o Provide removal/replacement options
- Price changes:
  - o Notify customer
  - o Maintain original price if added before change

- Successful view:
  - o All cart items visible
  - Accurate totals displayed
  - o Checkout options enabled
- Empty cart:
  - Show "Your cart is empty" message
  - Suggest popular products

# **Order Summary**

## **Basic Properties**

• **Requirement ID:** ORDER-001

• Title: Order Summary Display

• **Description:** System shall display order summary before checkout

• Actors: Customer (authenticated)

#### Preconditions

• User is signed in

• Cart contains ≥1 valid item

• Address service is available

## **Functional Requirements**

- The system shall:
  - o Display order summary when proceeding from cart
  - o Show these components:
    - Product list with quantities/prices
    - Selectable shipping addresses
    - Price breakdown:
      - Subtotal
      - Shipping fees
      - Tax calculation
      - Order total
    - Payment method selection
  - Support these actions:
    - Change product quantities
    - Remove items
    - Add/edit shipping addresses
    - Apply promo codes

#### Calculation Requirements

- System shall calculate:
  - o Subtotal (sum of all items)
  - Shipping based on:

- Address location
- Package weight
- Selected method
- o Taxes according to:
  - Jurisdiction rules
  - Product categories

## **Exception Handling**

- Invalid addresses:
  - o Highlight issues
  - Prevent checkout
- Price changes:
  - Notify customer
  - o Require reconfirmation

- Successful view:
  - o All order details confirmed
  - Checkout button enabled
- Changes made:
  - Cart updates persist
  - Totals recalculate immediately

## **Place Order**

## **Basic Properties**

• **Requirement ID:** ORDER-002

• Title: Order Finalization

• **Description:** System shall process and confirm customer orders

• Actors: Customer (authenticated)

#### Preconditions

- Valid order summary displayed
- All required information complete:
  - o Shipping address verified
  - Payment method selected
  - o Items in stock

#### **Functional Requirements**

- The system shall:
  - 1. Validate order completeness on "Place Order" click:
    - Confirm inventory availability
    - Verify payment authorization
    - Check shipping feasibility
  - 2. Process successful orders by:
    - Generating order confirmation number
    - Reserving inventory
    - Charging payment method
    - Notifying seller
  - 3. Display confirmation screen showing:
    - Order number
    - Expected delivery date
    - Item summary
    - Customer support information

#### Data Requirements

- Order records shall include:
  - o Snapshot of all product details

- o Pricing at time of purchase
- o Timestamp and status
- o Payment transaction ID
- o Customer/Seller information

## **Exception Handling**

- Payment failures:
  - o Retry once automatically
  - o Fallback to alternate payment if available
- Inventory conflicts:
  - o Notify customer immediately
  - Offer similar alternatives
- System errors:
  - Preserve order draft
  - o Provide recovery path

- Successful placement:
  - Order appears in customer history
  - o Confirmation email sent
  - o Inventory levels updated
- Failed placement:
  - o Return to order summary
  - O Clear error explanation
  - Cart preserved

# View My Order

#### **Basic Properties**

• Requirement ID: ORDER-003

• Title: Order History Access

• Description: System shall display customer's past and current orders

• Actors: Customer (authenticated)

#### Preconditions

- User is signed in
- At least one order exists
- Order service is available

## **Functional Requirements**

- The system shall:
  - o Provide "My Orders" option in account menu
  - o Display order history showing:
    - Order number and date
    - Product thumbnails
    - Current status (Processing/Shipped/Delivered)
    - Total amount paid
  - o Allow order details viewing:
    - Full product list
    - Shipping information
    - Payment method
    - Tracking information (if available)
  - Support these actions:
    - Reorder items
    - Contact seller
    - Initiate returns (if eligible)

#### Data Requirements

- Order history shall:
  - o Show last 24 months of orders
  - o Group by status category

- Include search/filter capability
- o Display most recent first

## **Exception Handling**

- Missing orders:
  - o Show "No Orders Found" state
  - Suggest shopping options
- Loading failures:
  - o Automatic retry (max 2 attempts)
  - o Display helpful error message

- Successful view:
  - o Complete order details visible
  - Status updates current
  - Navigation options preserved
- Failed view:
  - Clear error state
  - o Recovery options provided

## Seller Dashboard

#### **Basic Properties**

• **Requirement ID:** SELLER-001

• Title: Seller Dashboard Access

- Description: System shall provide sellers with management dashboard
- Actors: Seller (authenticated user with seller privileges)

#### Preconditions

- User is signed in with verified seller account
- Seller services are available

#### **Functional Requirements**

- The system shall:
  - o Display "Seller Dashboard" entry point for authorized users
  - o Provide dashboard with these main sections:
    - Add Product:
      - Form with required fields (name, description, price)
      - Image upload capability (JPG/PNG, max 5MB)
      - Category selection
      - Variant management
    - Product List:
      - Sortable/filterable product grid
      - Inventory status indicators
      - Quick edit options
    - Orders:
      - Chronological order list
      - Status filters (New/Processing/Shipped)
      - Customer information
  - Support these actions:
    - Add/edit/archive products
    - Process orders (confirm/ship/cancel)
    - View sales analytics

## Data Requirements

- Dashboard shall display:
  - o Real-time inventory counts
  - Pending order notifications
  - o Recent sales performance
  - o Customer messages/requests
- Data shall refresh automatically every 5 minutes

## **Exception Handling**

- Permission issues:
  - o Redirect to authorization request
  - o Clear explanation of requirements
- Data conflicts:
  - Highlight affected items
  - o Provide resolution options
- Service outages:
  - o Show last cached data
  - o Indicate refresh status

- Successful view:
  - o All management options available
  - Current data displayed
  - Navigation preserved
- Failed view:
  - o Graceful degradation
  - Recovery options provided

# **Use Case Description**

#### 1. Account Authentication

Use Case: Sign In

**Actor** Customer AND User [Customer]

**Preconditions** Customer has a registered account AND Customer knows sign in details AND opened website

#### **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card to prompt with options of signing in
- 3. Customer selects "Sign in with Google Account" option
- 4. Customer is redirected to Google Account sign in
- 5. System validates credentials
- 6. System grants access
- 7. System logs sign in timestamp

#### **Alternative Flow**

- 3.a Customer enters personal email
- 3.b Customer is redirected to sign in with personal email

Postcondition Customer details are validated

## **Exceptional Flow**

- 4.a Customer enter invalid credentials during Google Account sign in
- 4.b Customer forgot password

Postcondition Customer recover sign in details AND attempt to sign in again

#### **Exceptional Flow**

- 4.a Customer cancel sign in procedure
- 4.b Customer close sign in window

Postcondition Customer returns to Home page

END Customer session is established

## **Use Case: Sign Out**

Actor Customer AND User [Customer]

Preconditions Customer has signed in

#### **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card
- 3. Customer selects "Sign out" option
- 4. System terminates session
- 5. System logs sign out timestamp
- 6. System redirects to home page

## **Exceptional Flow**

• 3.a Customer cancel sign out procedure

Postcondition Customer returns to Home page

**END** Customer session is terminated

# 2. Account Management

**Use Case: Account Card** 

**Actor** Customer AND User [Customer]

Preconditions Customer has signed in

## **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card
- 3. Customer views options on the account card
- 4. Customer clicks on the icon profile again
- 5. System closes the displayed account card

Postcondition Customer returns to Home page

END Customer viewed account card

#### **Use Case: Manage Own Account**

**Actor** Customer AND User [Customer]

#### **Preconditions** Customer has signed in

#### **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card
- 3. Customer selects on "Manage Account" option
- 4. System displays profile details
- 5. Customer views profile details
- 6. Customer closes profile details
- 7. System closes display of profile details AND account card

#### **Alternative Flow**

- 5.a Customer clicks on "Update Profile" option
- 5.b Customer chooses "Upload" option
- 5.c Customer upload picture from their device
- 5.d System updates profile picture

## Postcondition Customer profile picture is updated

#### **Alternative Flow**

- 5.a Customer clicks on "Update Profile" option
- 5.b Customer chooses "Remove" option
- 5.c System removes profile picture

## Postcondition Customer profile picture is removed

#### **Alternative Flow**

- 5.a Customer clicks on "Add email address" option
- 5.b Customer enters the email address
- 5.c Customer clicks "Add" button to add
- 5.d System adds email address to profile details

Postcondition Customer additional email address added

**END** Customer viewed profile details

# 3. Main Pages

#### **Use Case: Home**

Actor Customer AND User [Customer]

Preconditions Customer has a device

#### **Main Flow**

- 1. Customer searches for website
- 2. Customer clicks on "TikTok Shop" link
- 3. System displays Home page

Postcondition Customer views Home page

**END** Customer viewed Home page

## **Use Case: Shop**

**Actor** Customer AND User [Customer]

Preconditions Customer has opened website

#### **Main Flow**

- 1. Customer clicks on "Shops" on navigation bar
- 2. System redirects to Shop page
- 3. System displays Shop page

Postcondition Customer views Shop page

END Customer viewed Shop page

# 4. Product Browsing

**Use Case: All Products** 

**Actor** Customer AND User [Customer]

Preconditions Customer has signed in AND clicked Shop page

#### **Main Flow**

- 1. System retrieves product catalogue from database
- 2. System displays products in product card with its details
- 3. System arranges the products in grid view
- 4. Customer views of products displayed
- 5. Customer clicks the like button at a product
- 6. System updates the product like count

## **Exceptional Flow**

- 1.a System unable to retrieve product information from database
- 1.b System sends error message

Postcondition Rollback on product database to try and load products

#### **Exceptional Flow**

- 5.a Customer clicks the like button at a product to unlike
- 6.a System updates the product like count

Postcondition Product like count is updated

END Customer viewed All Product page

#### **Use Case: View Product Details**

Actor Customer AND User [Customer]

Preconditions Customer has signed in AND product exist in database

#### **Main Flow**

- 1. Customer clicks on product card
- 2. System retrieves product details from database
- 3. System displays products in its own page with product details
- 4. Customer views product details page

#### **Exceptional Flow**

- 2.a System unable to retrieve product information from database
- 2.b System sends error message

Postcondition Rollback on product database to try and load products

END Customer viewed Product Details page

# 5. Cart Management

#### **Use Case: Add Product to Cart**

**Actor** Customer AND User [Customer]

Preconditions Customer has signed in AND clicked Product card

#### **Main Flow**

- 1. Customer clicks on "Add to Cart"
- 2. System adds product to the Cart
- 3. System sends message to inform product has been added

#### **Alternative Flow**

- 1.a Customer adds other products to Cart
- 1.b System adds product to the Cart

Postcondition Multiple products have been added to the cart

#### **Alternative Flow**

- 1.a Customer remove product from listing
- 1.b System removes product from listing
- 2.a System recalculates the total

Postcondition Order summary is updated

END Cart total amount updated

#### **Use Case: Cart**

## **Actor** Customer AND User [Customer]

## **Preconditions** Customer has signed in

#### **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card
- 3. Customer selects on "Cart" option
- 4. System displays the Cart
- 5. Customer can view products added to Cart

#### **Alternative Flow**

- 5.a Customer clicks on "Quantity" arrows to add or lessen quantity of product
- 5.b System recalculates subtotal of product
- 5.c System updates subtotal of product

## Postcondition Cart is updated

**END** Customer viewed cart

# 6. Order Processing

## **Use Case: Order Summary**

Actor Customer AND User [Customer]

Preconditions Customer has signed in AND added Products in Cart

#### **Main Flow**

- 1. Customer checks their product placed in Cart
- 2. Customer choose desired address for delivery
- 3. System calculates number of items and total before tax
- 4. System calculates tax percentage
- 5. System calculates total after tax

#### **Alternative Flow**

- 1.a Customer remove product from listing
- 1.b System removes product from listing
- 2.a System recalculates the total

Postcondition Order summary is updated

#### **Alternative Flow**

- 1.a Customer adds new address
- 1.b System adds news address into summary

Postcondition New address is added

END Order summary is ready for order placing

#### **Use Case: Place Order**

Actor Customer AND User [Customer]

**Preconditions** Customer has signed in AND added Products in Cart

#### **Main Flow**

- 1. Customer checks the order summary
- 2. Customer clicks "Place Order"
- 3. System validates Order placed
- 4. System sends message "Order Placed"

### Postcondition Order is placed

**END** Customer order has placed

## **Use Case: View My Order**

**Actor** Customer AND User [Customer]

**Preconditions** Customer has signed in AND placed order

#### **Main Flow**

- 1. Customer clicks on the icon profile
- 2. System displays an account card
- 3. Customer selects "My Order" option
- 4. System displays orders placed
- 5. Customer checks order details

## Postcondition Order is processed

**END** Customer waits for order to arrive

# 7. Seller Operation

#### **Use Case: Seller Dashboard**

Actor User [Seller]

Preconditions User is signed in

#### **Main Flow**

- 1. User selects Seller Dashboard
- 2. System displays Seller Dashboard
- 3. User selects "Add Product"
- 4. System displays "Add Product" page
- 5. User selects "Product List"
- 6. System displays "Product List" page
- 7. User selects "Orders"
- 8. System displays "Orders" page

#### **Alternative Flow**

- 4.a User upload image to Product Image
- 4.b User input product name
- 4.c User types in product description
- 4.d User chooses category of product type
- 4.e User inputs product price and offer price
- 4.f User clicks "Add" to add product
- 4.g System adds product to database
- 4.h System sends message "Product Added"

#### Postcondition New product is added

#### **Alternative Flow**

- 6.a System retrieves product catalogue from database
- 6.b System displays product available

## Postcondition Products displayed

#### **Alternative Flow**

- 8.a System retrieves orders from database
- 8.b System displays current orders

#### Postcondition Orders are displayed

**END** Seller viewed Seller Dashboard