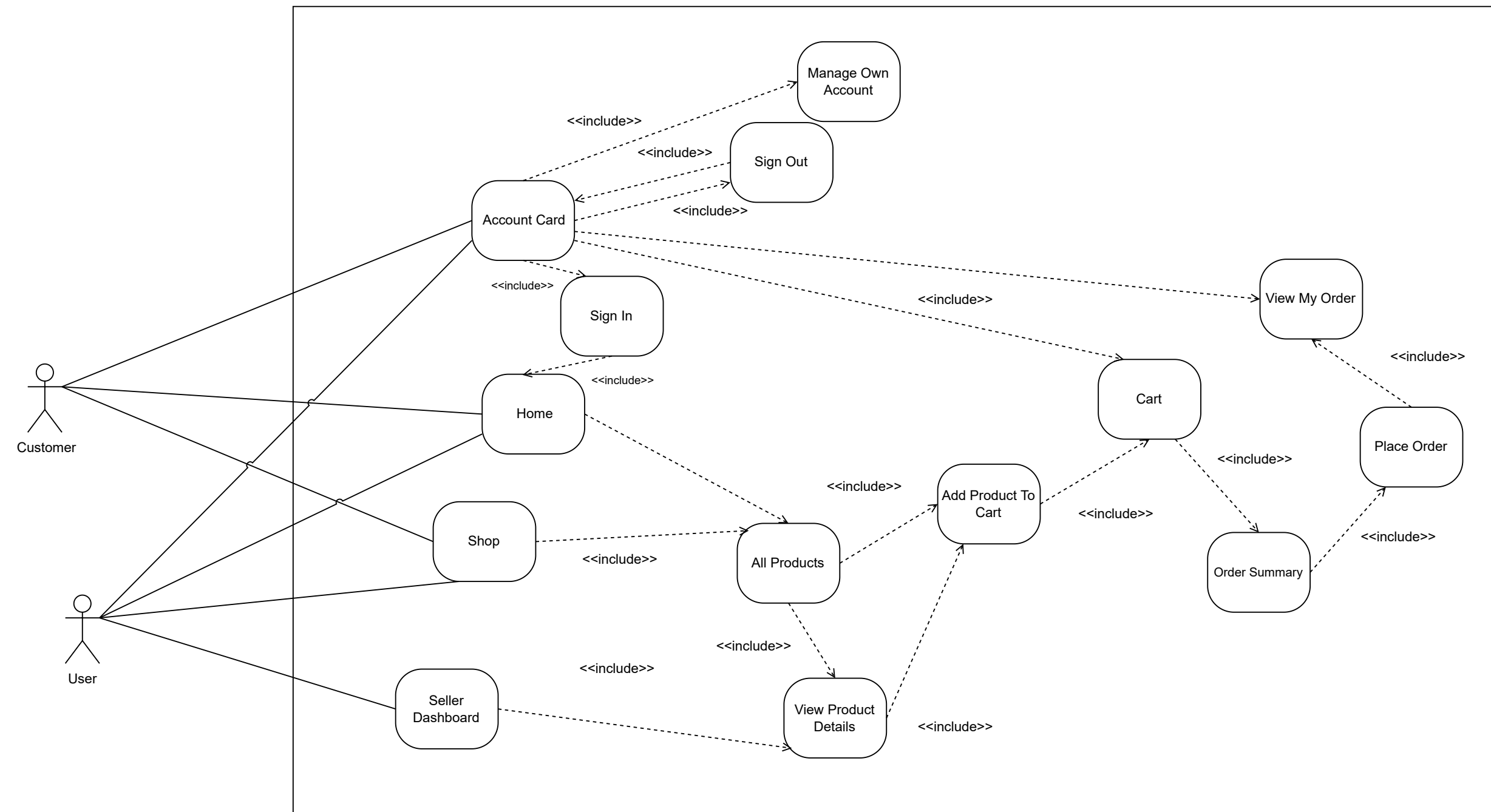


TikTok Shop Use-Case Diagram



TikTok Shop Use-Case Description

Account Authentication	
Use Case: Sign In	Use Case: Sign Out
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

Account Management	
Use Case: 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 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: 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

Product Browsing	
Use Case: All Products	Use Case: View Product Details
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	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

Main Pages	
Use Case: Home	Use Case: Shop
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	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

Cart Management	
Use Case: Add Product to Cart	Use Case: 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	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

TikTok Shop Use-Case Description

Order Processing		
Use Case: Order Summary	Use Case: Place Order	Use Case: View My Order
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	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	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

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