



NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES

Software Design and Architecture

Group ASSIGNMENT 3

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SECTION: SE(F)

SUBMITTED ON: 14, April, 2024

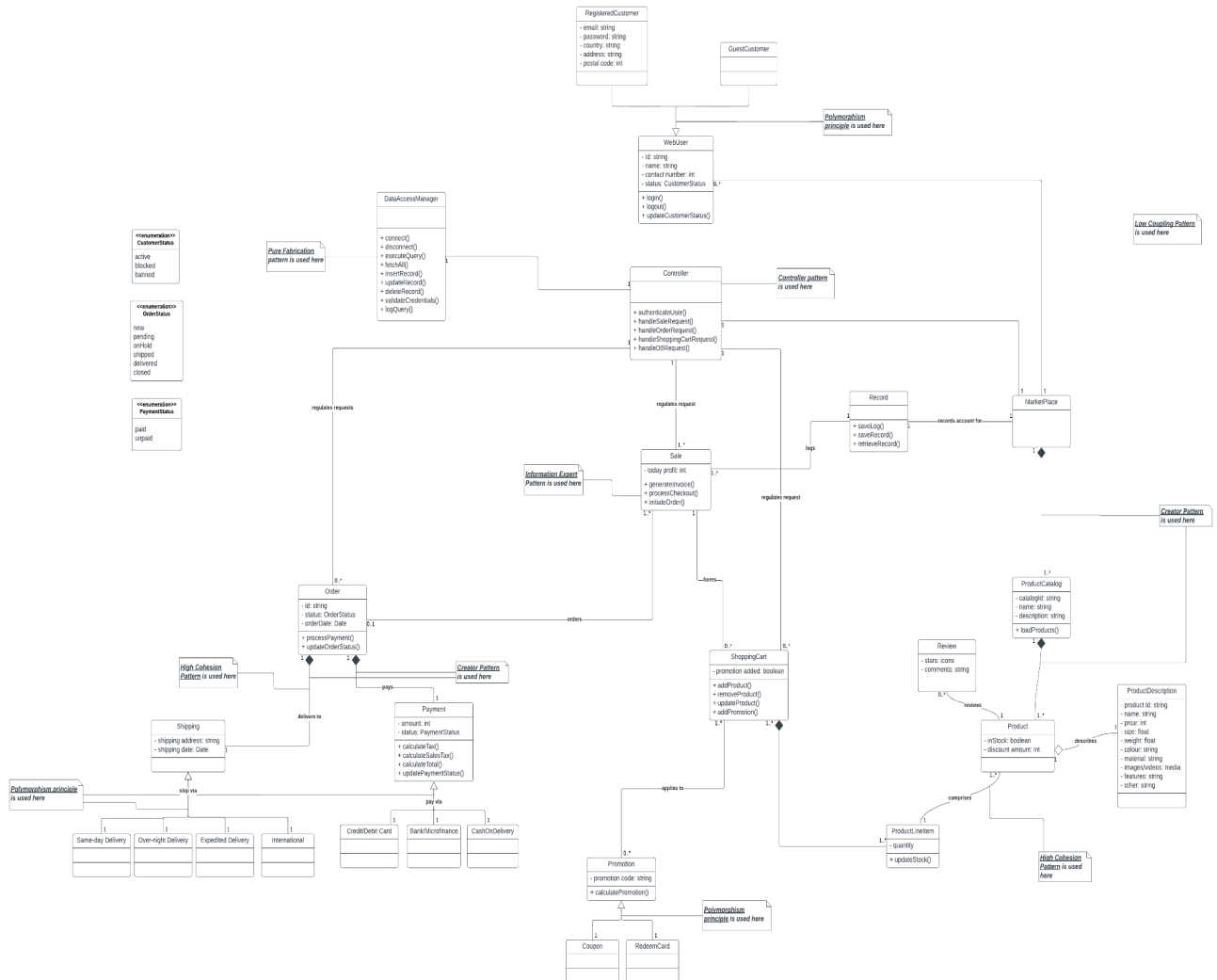
SUBMITTED TO: Dr Kubaib Amjad Alam

Topic :System Sequence Diagram, Class Diagram, Sequence Diagram

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1. Class Diagram :

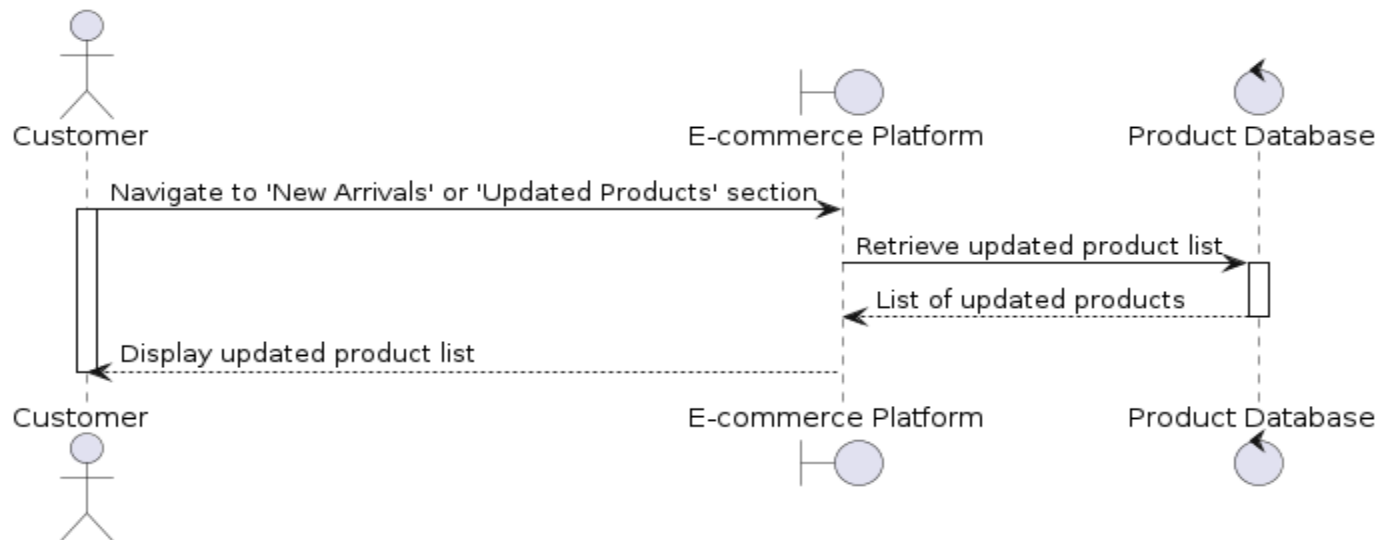


2. System Sequence Diagram, Sequence Diagram

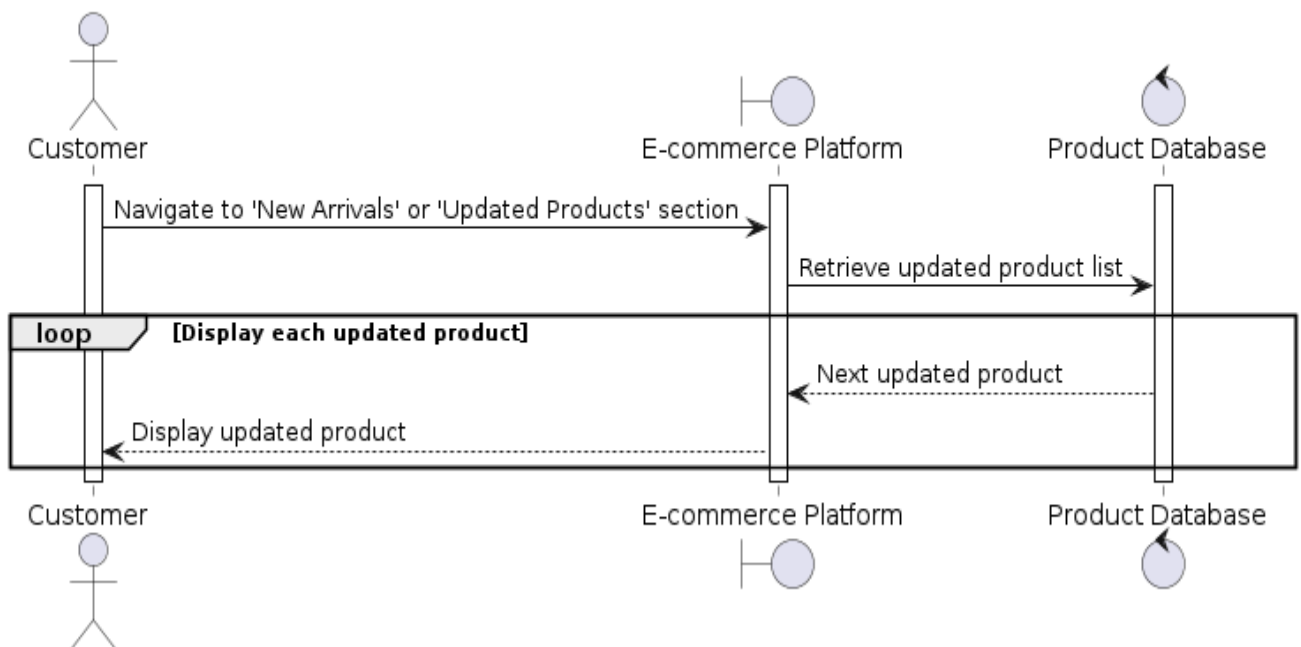
2.1 USE CASE 01: CUSTOMER: Can view the updated products available for purchase

SSD and its corresponding SD:

System Sequence Diagram: View Updated Products



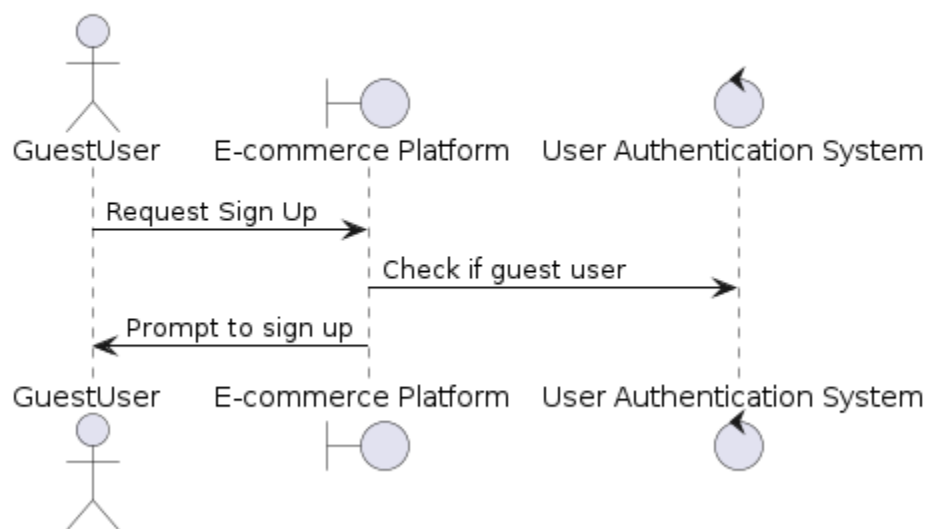
Sequence Diagram: View Updated Products



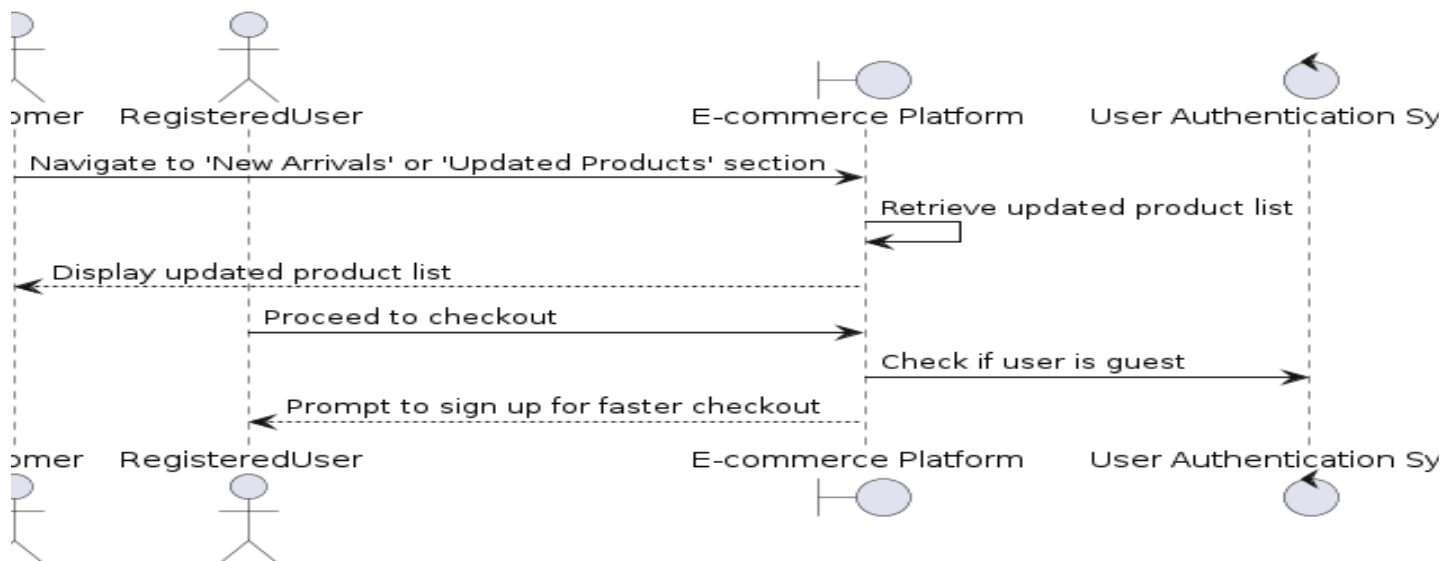
USE CASE 02 Customer Can request to sign up for faster checkout in the future.

SSD and its corresponding SD:

SSD: Request Sign Up for Faster Checkout



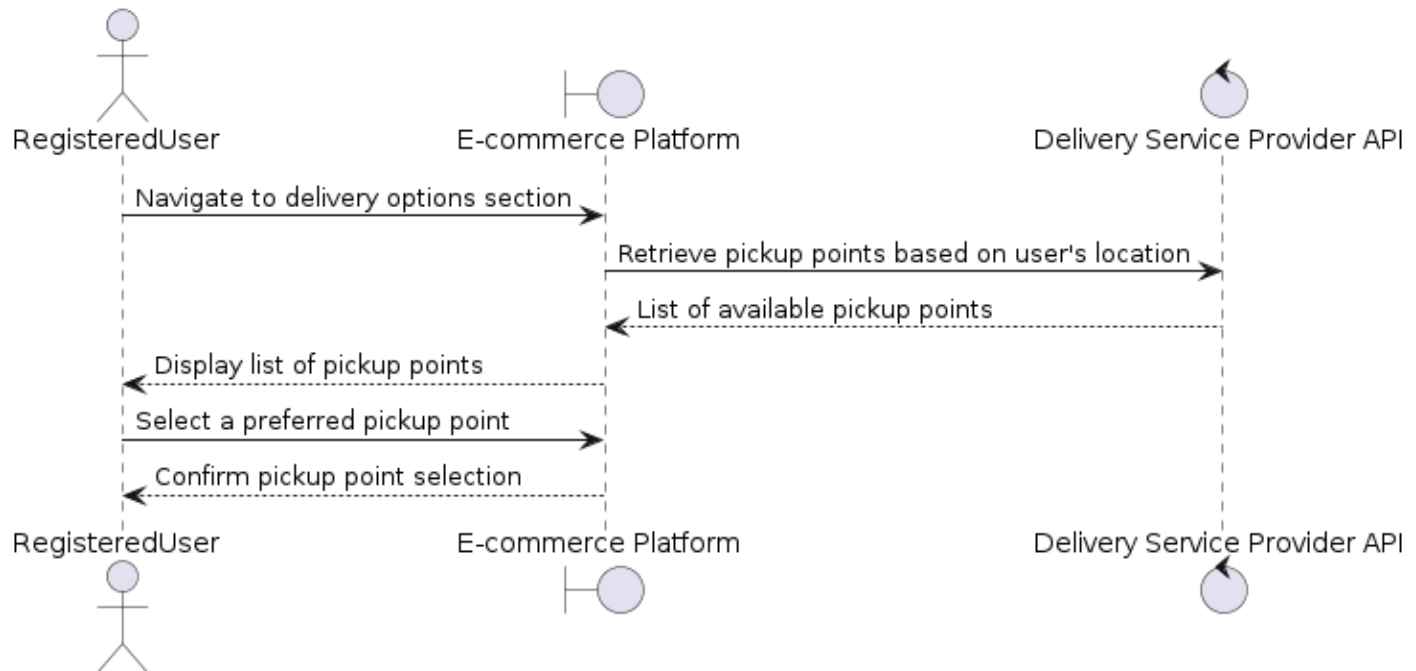
Sequence Diagram: Request Sign Up for Faster Checkout



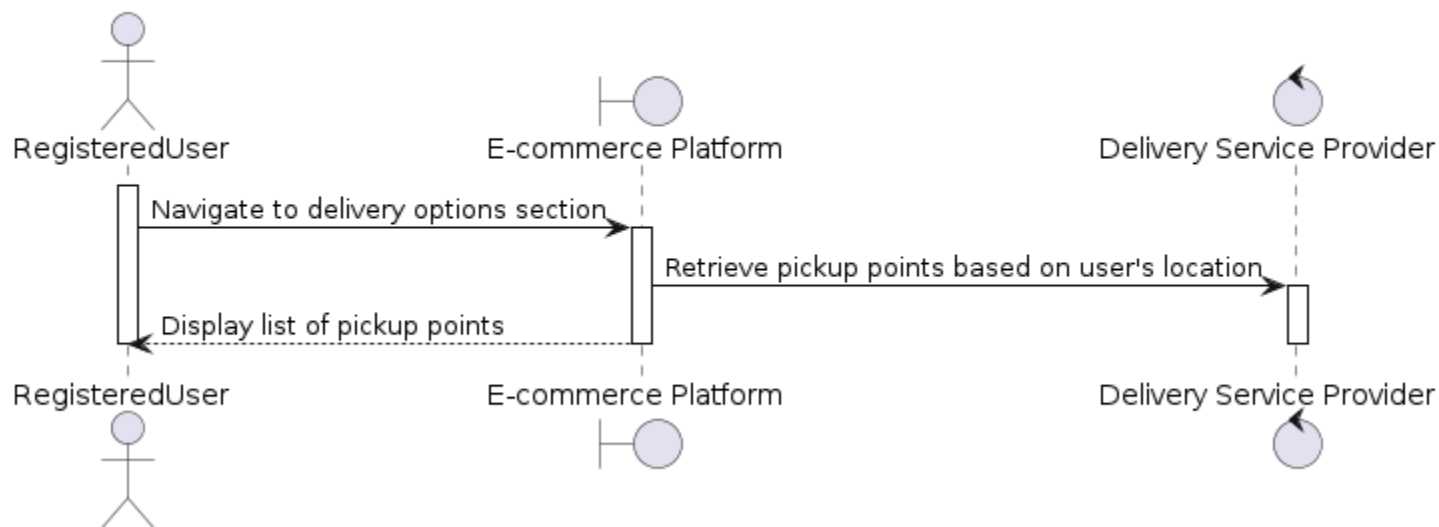
USE CASE 03 Customer Can view the pickup points for delivery.

SSD and its corresponding SD:

System Sequence Diagram: View Pickup Points for Delivery



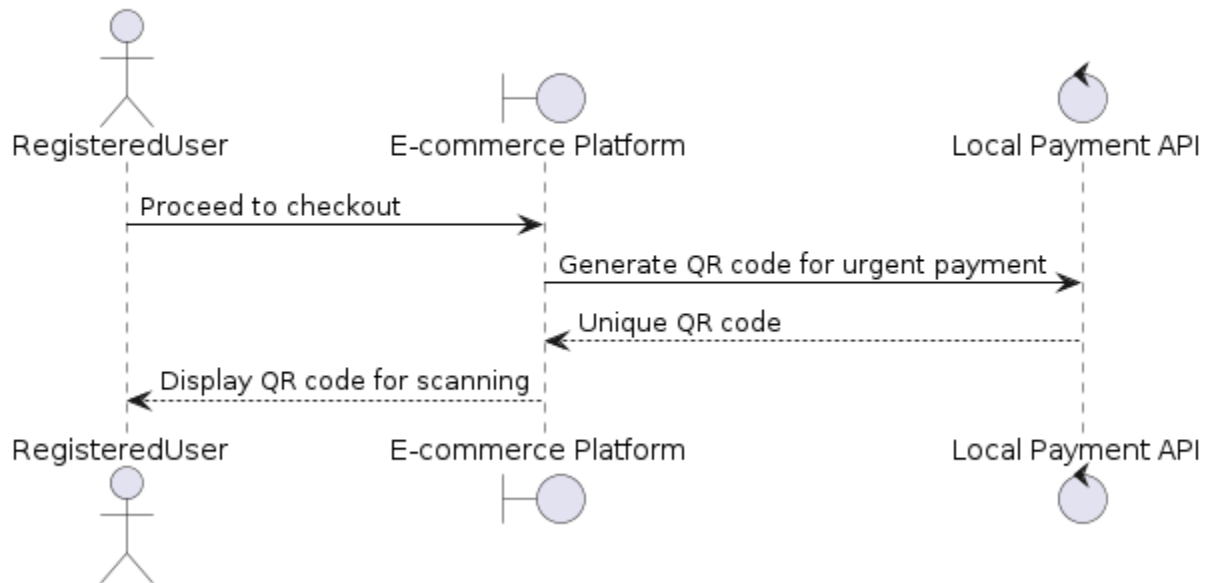
Sequence Diagram: View Pickup Points for Delivery

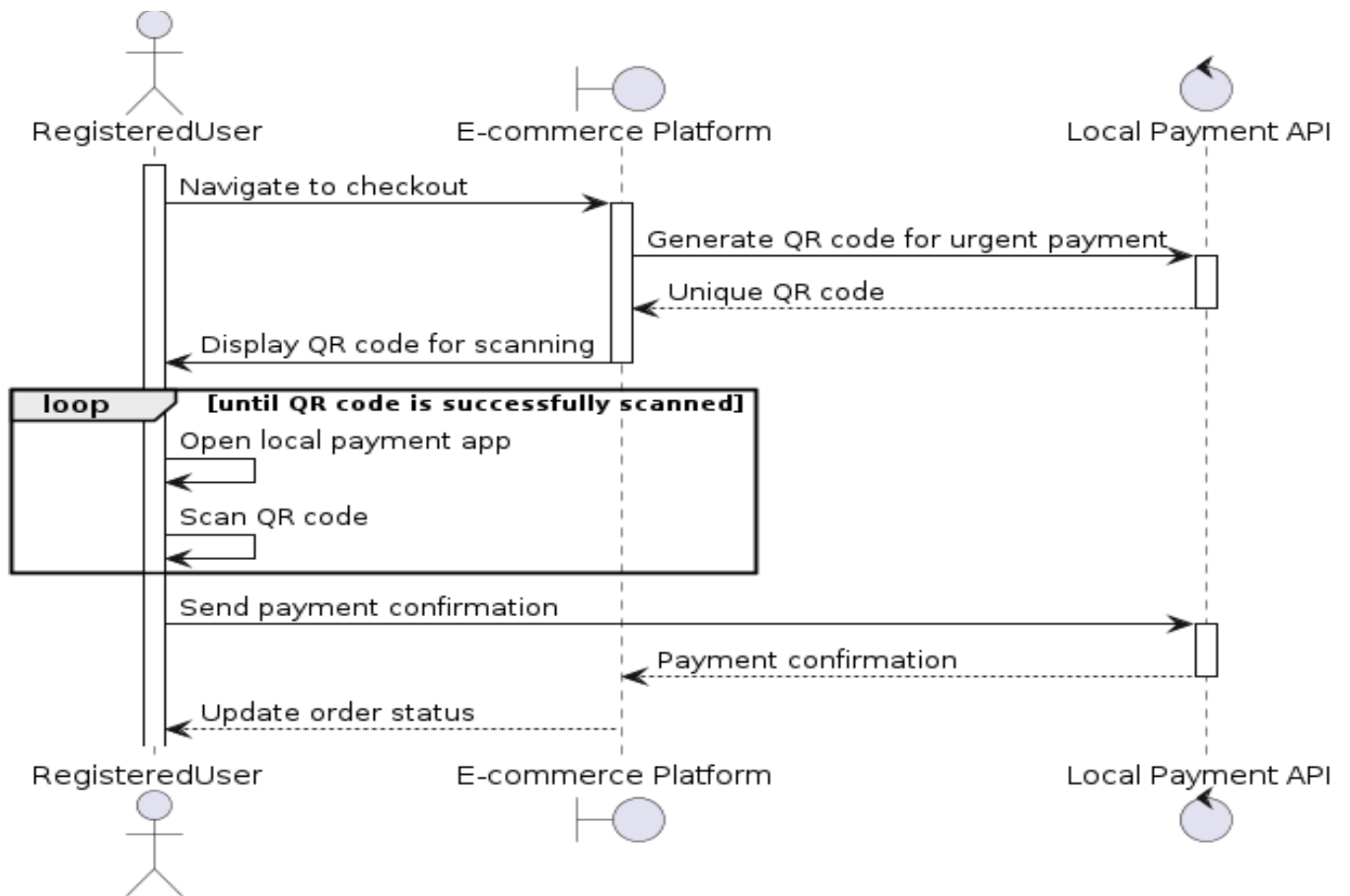


USE CASE 04 Customer Can make urgent payments by scanning the QR code of a local payment API.

SSD and its corresponding SD:

System Sequence Diagram: Make Urgent Payment via QR Code Scan

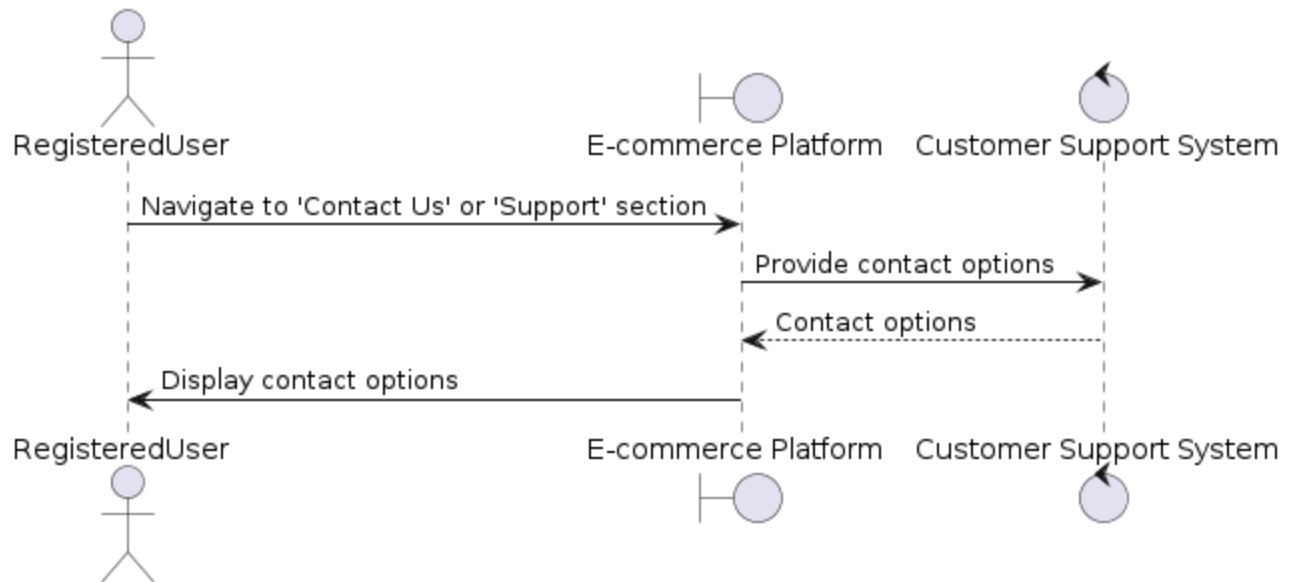




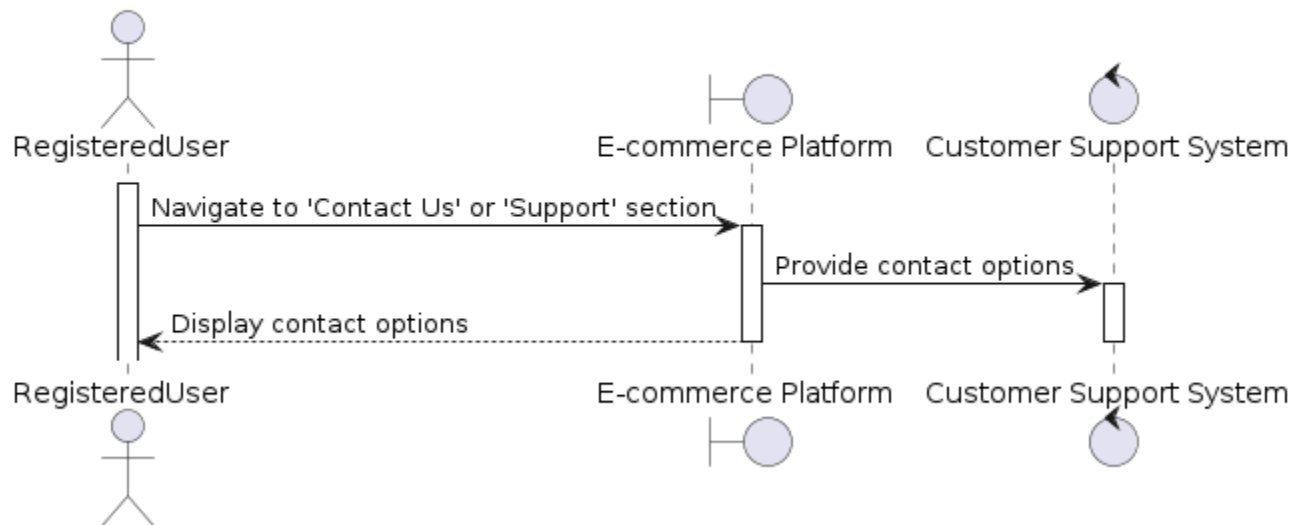
USE CASE 05 Customer Can contact customer support for order confirmation.

SSD and its corresponding SD:

System Sequence Diagram: Contact Customer Support for Order Confirmation

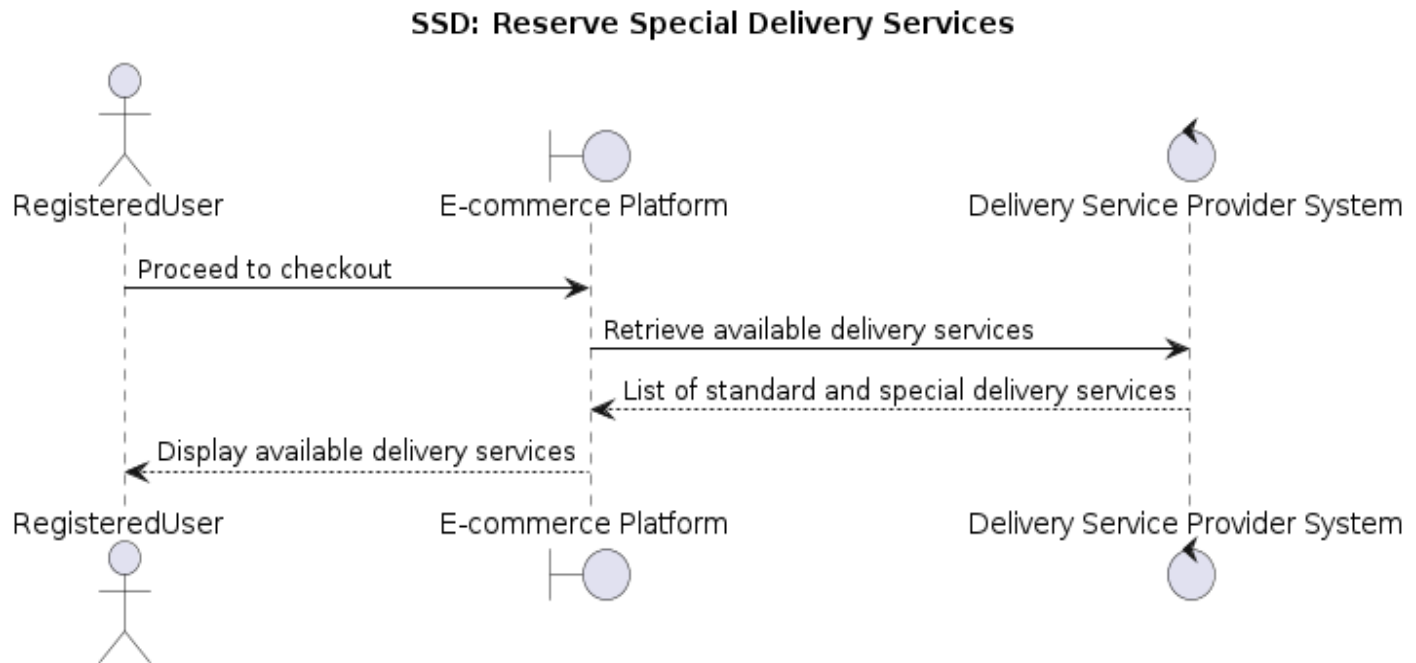


Sequence Diagram: Contact Customer Support for Order Confirmation

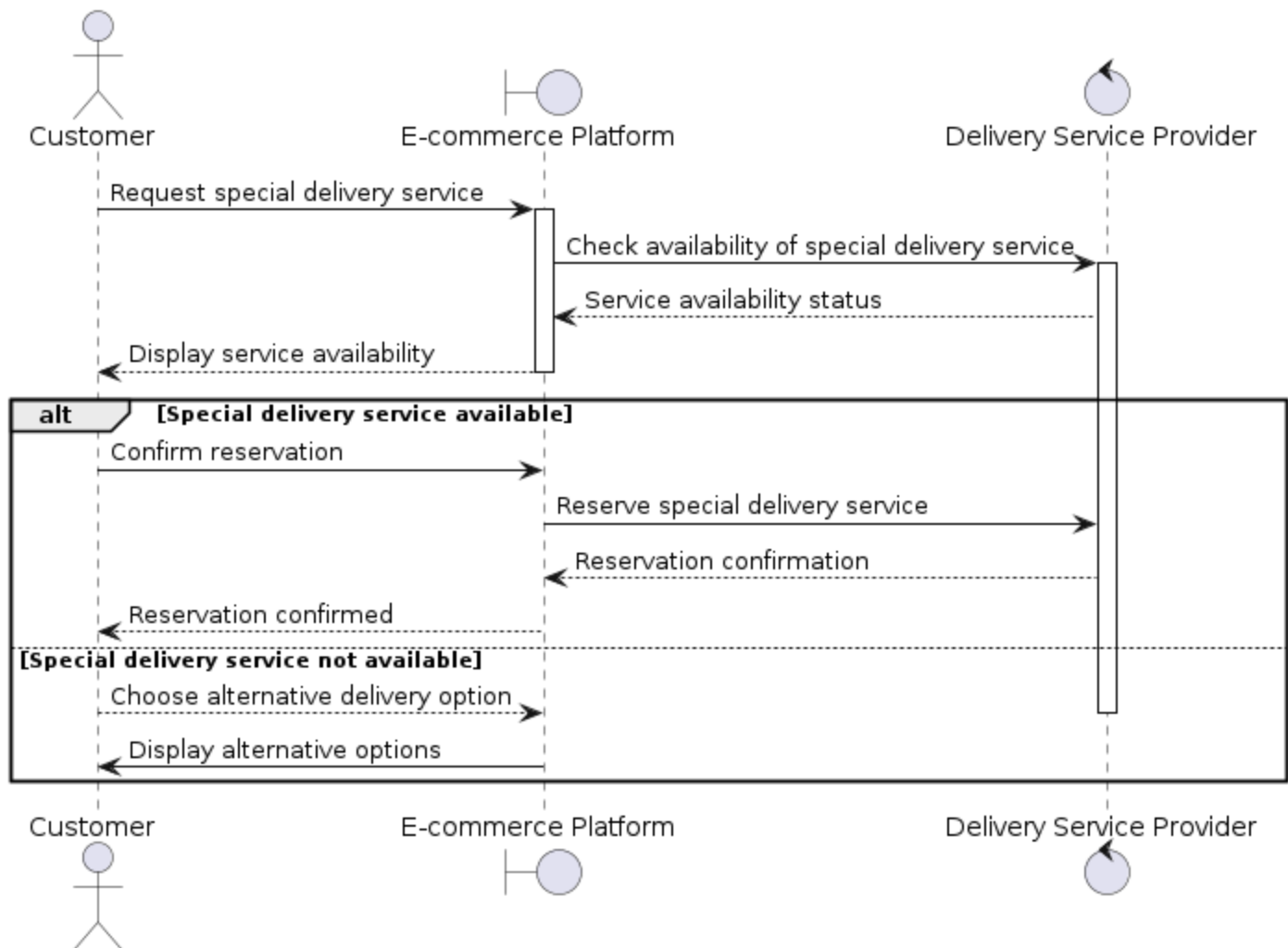


USE CASE 06 Customer Can reserve special delivery services for specific orders.

SSD and its corresponding SD:



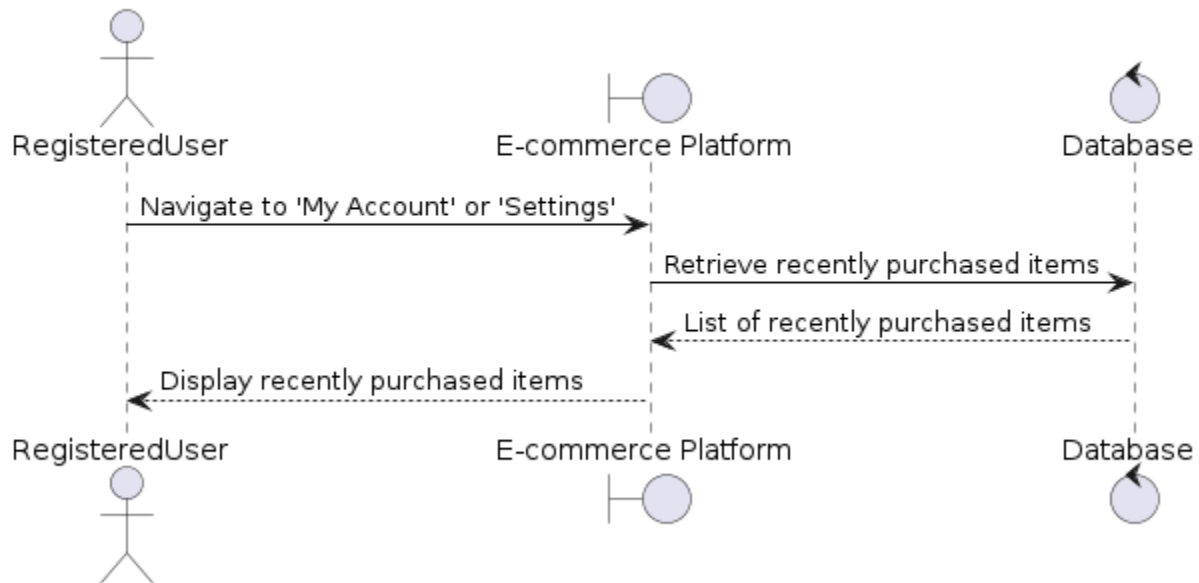
Sequence Diagram: Reserve Special Delivery Service



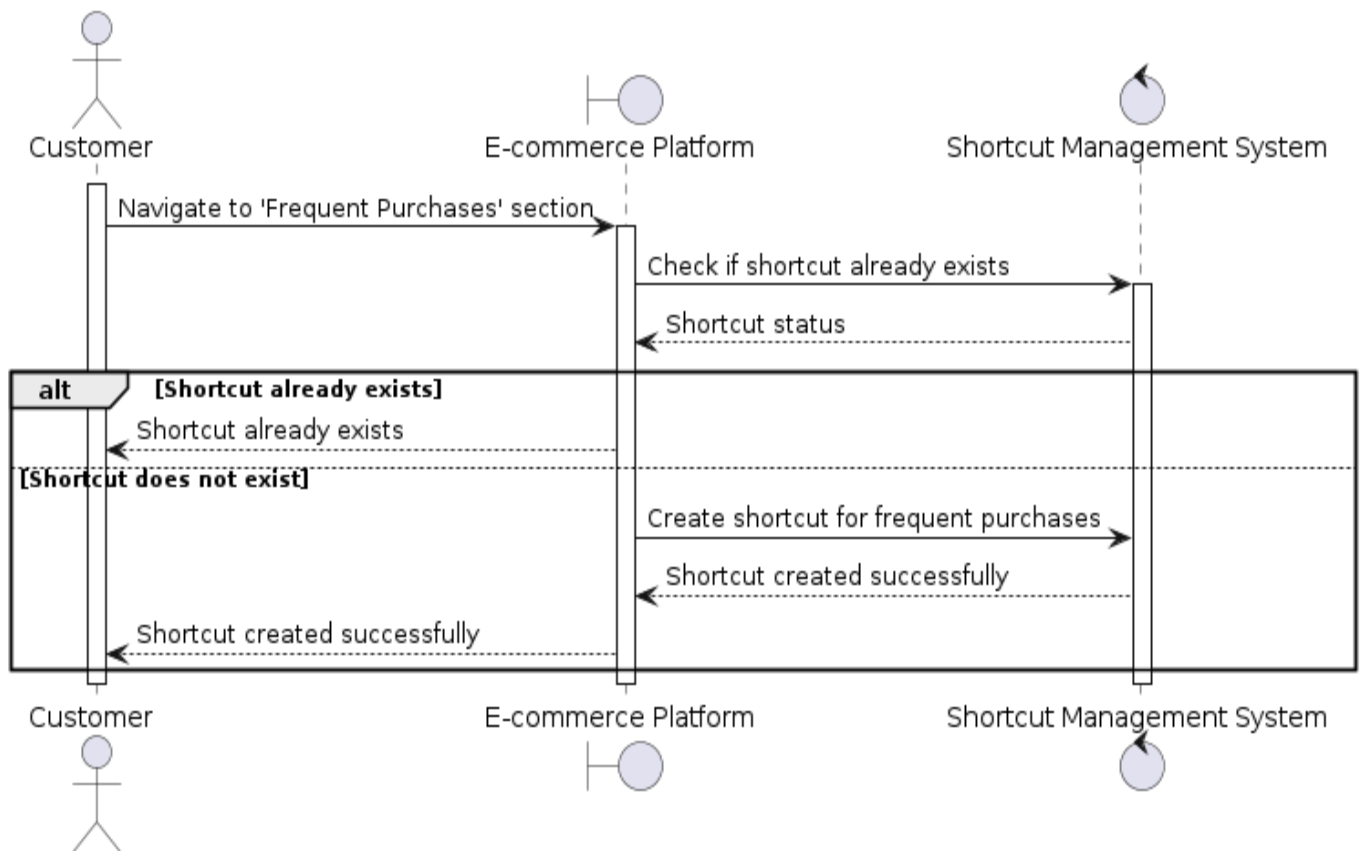
USE CASE 07 : Customer Can create shortcuts for frequently purchased items

SSD and its corresponding SD:

SSD: Create Shortcuts for Frequently Purchased Items



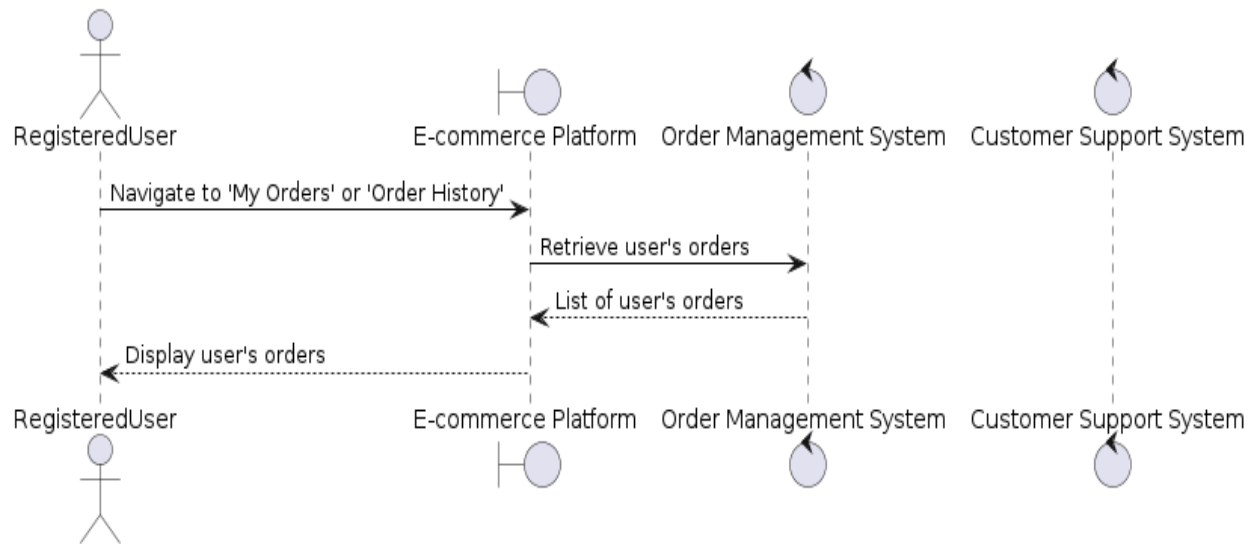
Sequence Diagram: Create Shortcut for Frequent Purchases



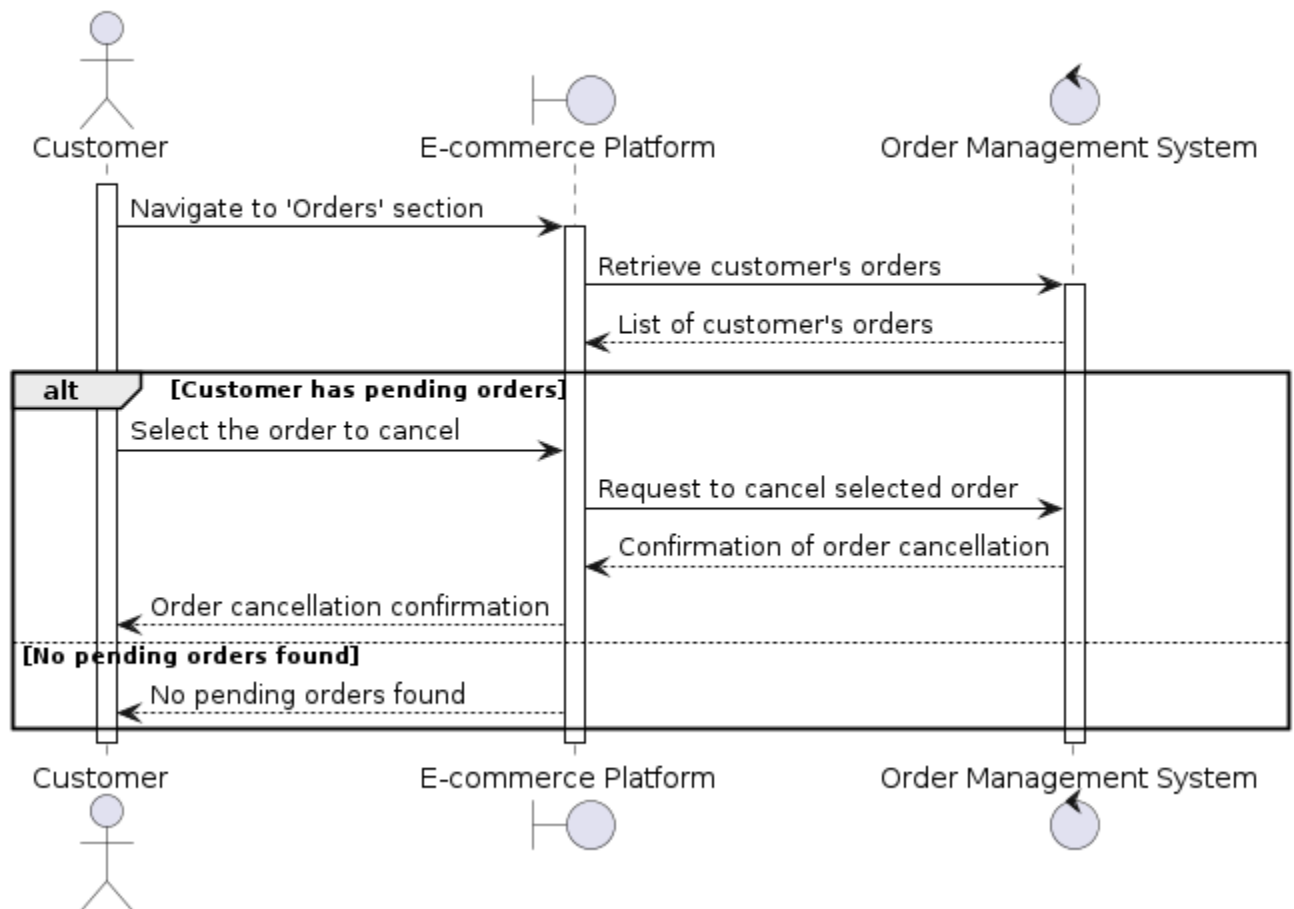
USE CASE 08 : Customer Can cancel orders in case of emergencies.

SSD and its corresponding SD:

SSD: Cancel Orders in Case of Emergencies

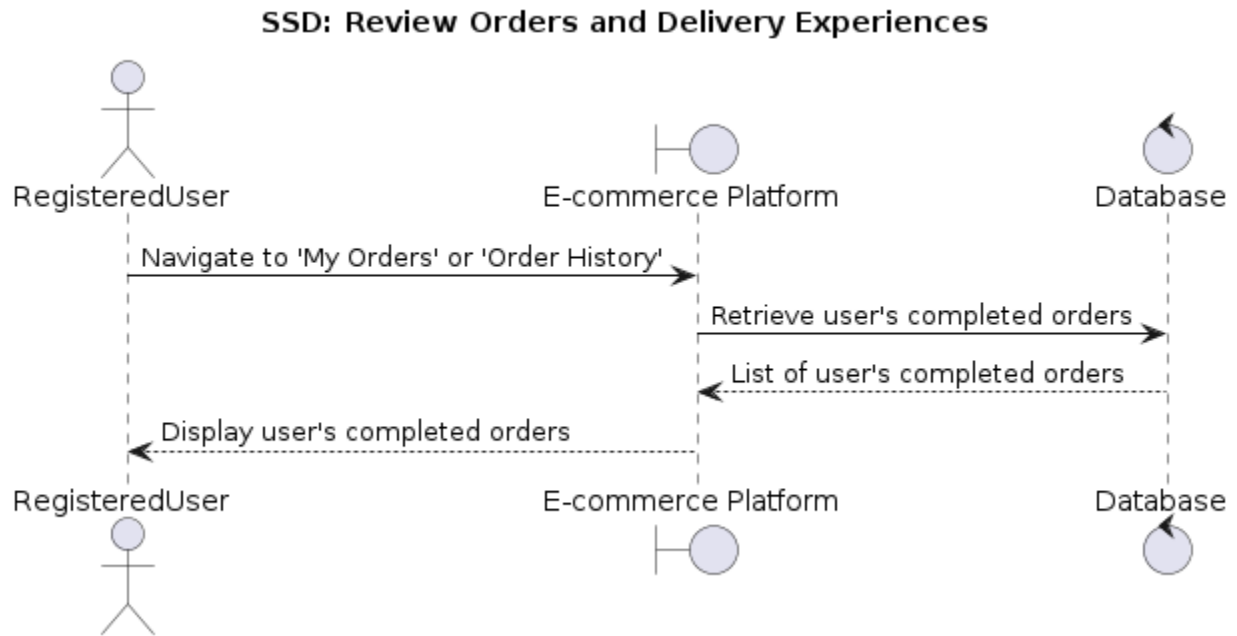


Sequence Diagram: Cancel Order in Case of Emergency

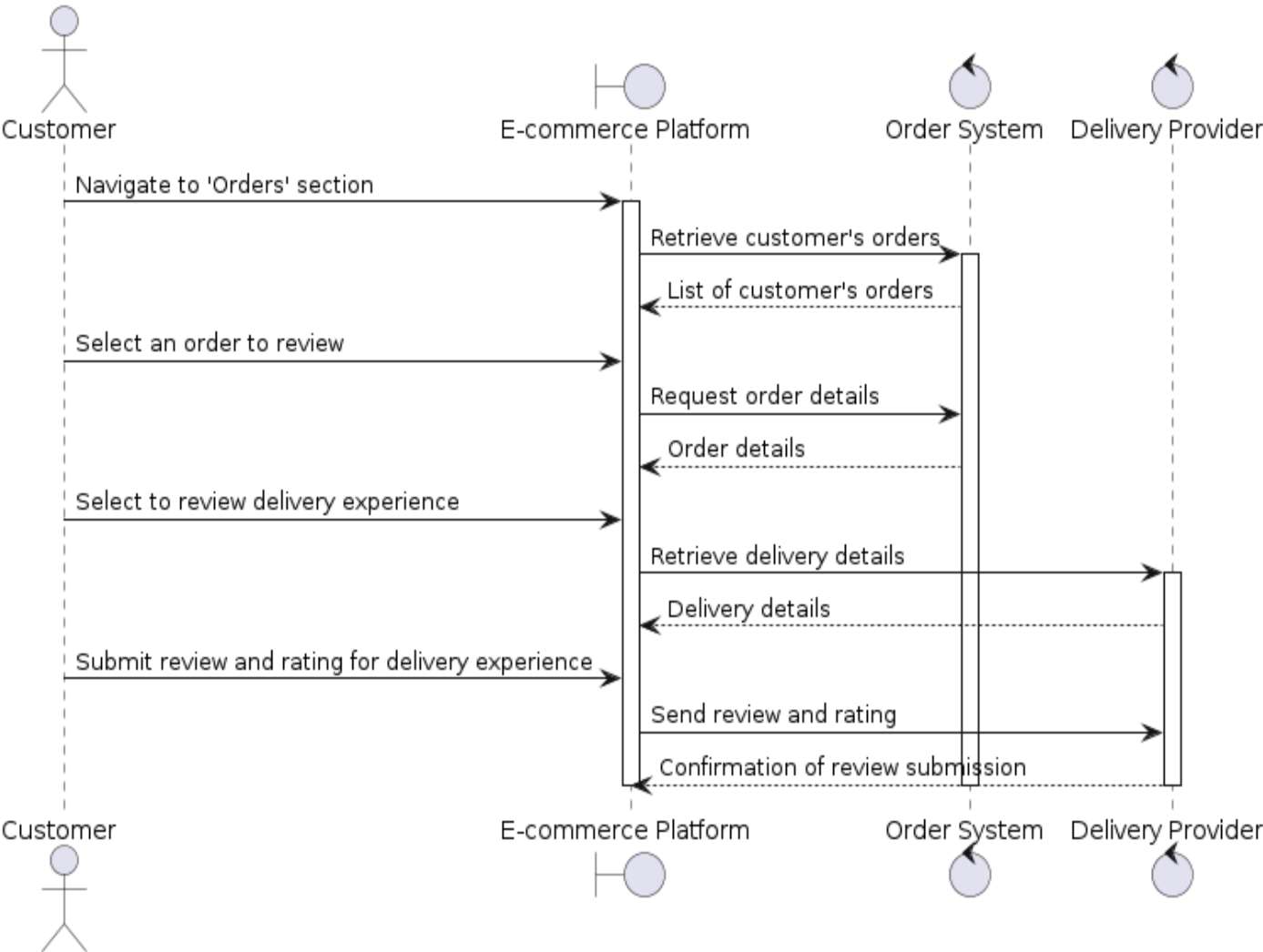


USE CASE 09 : Customer Can review orders and delivery experiences.

SSD and its corresponding SD:



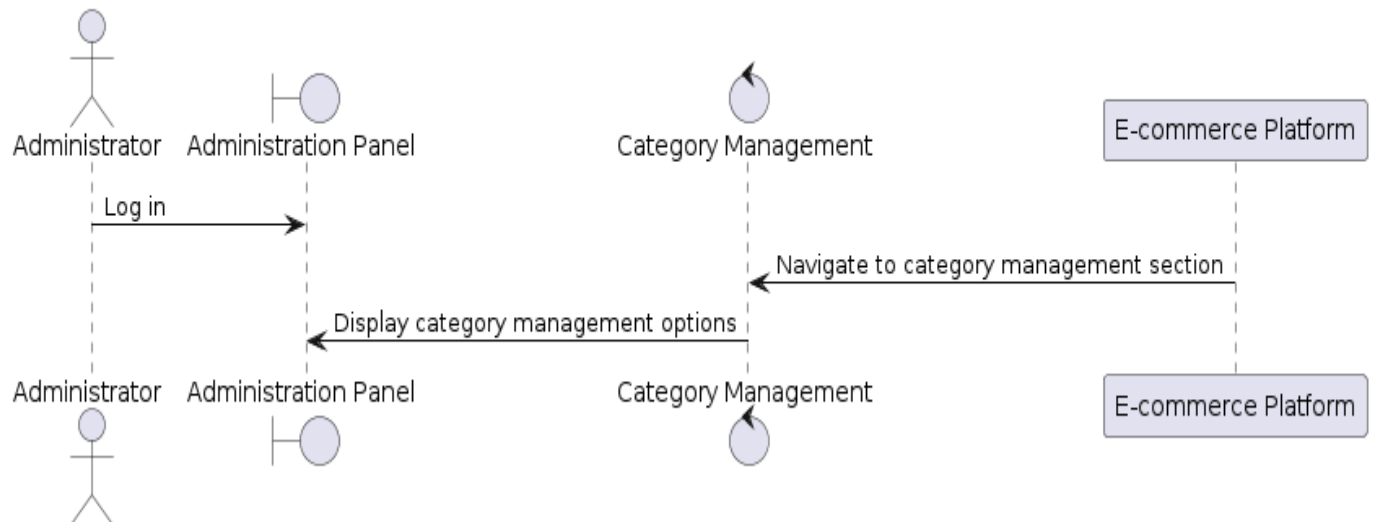
Sequence Diagram: Review Order and Delivery Experiences



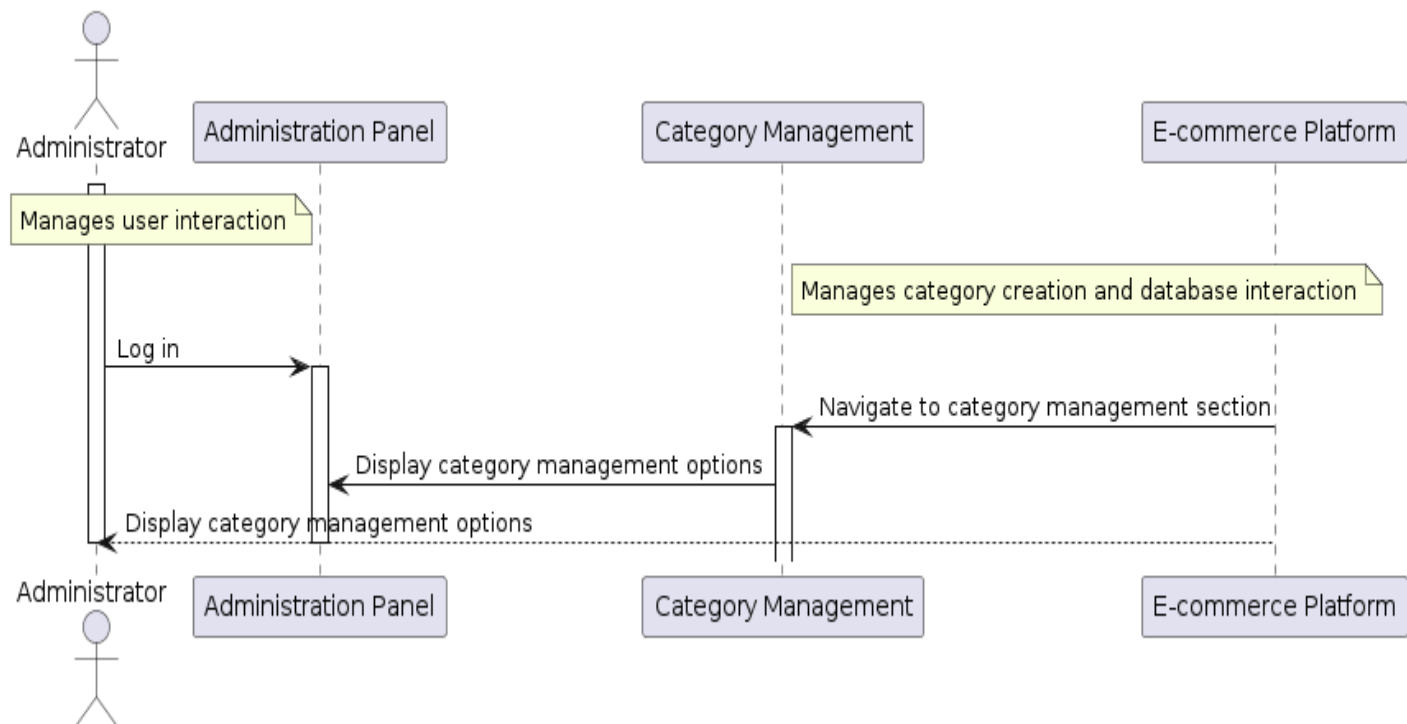
USE CASE 10: ADMIN Add a new product category

SSD and its corresponding SD:

SSD: Add a New Product Category



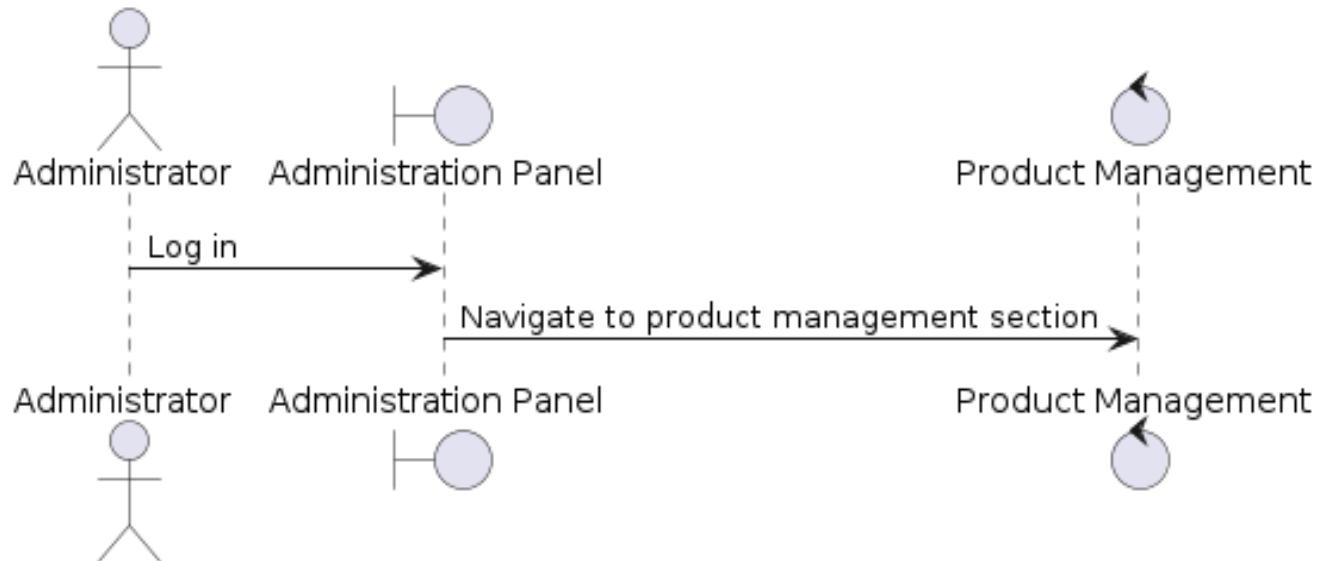
SD: Add a New Product Category (Main Success Scenario)



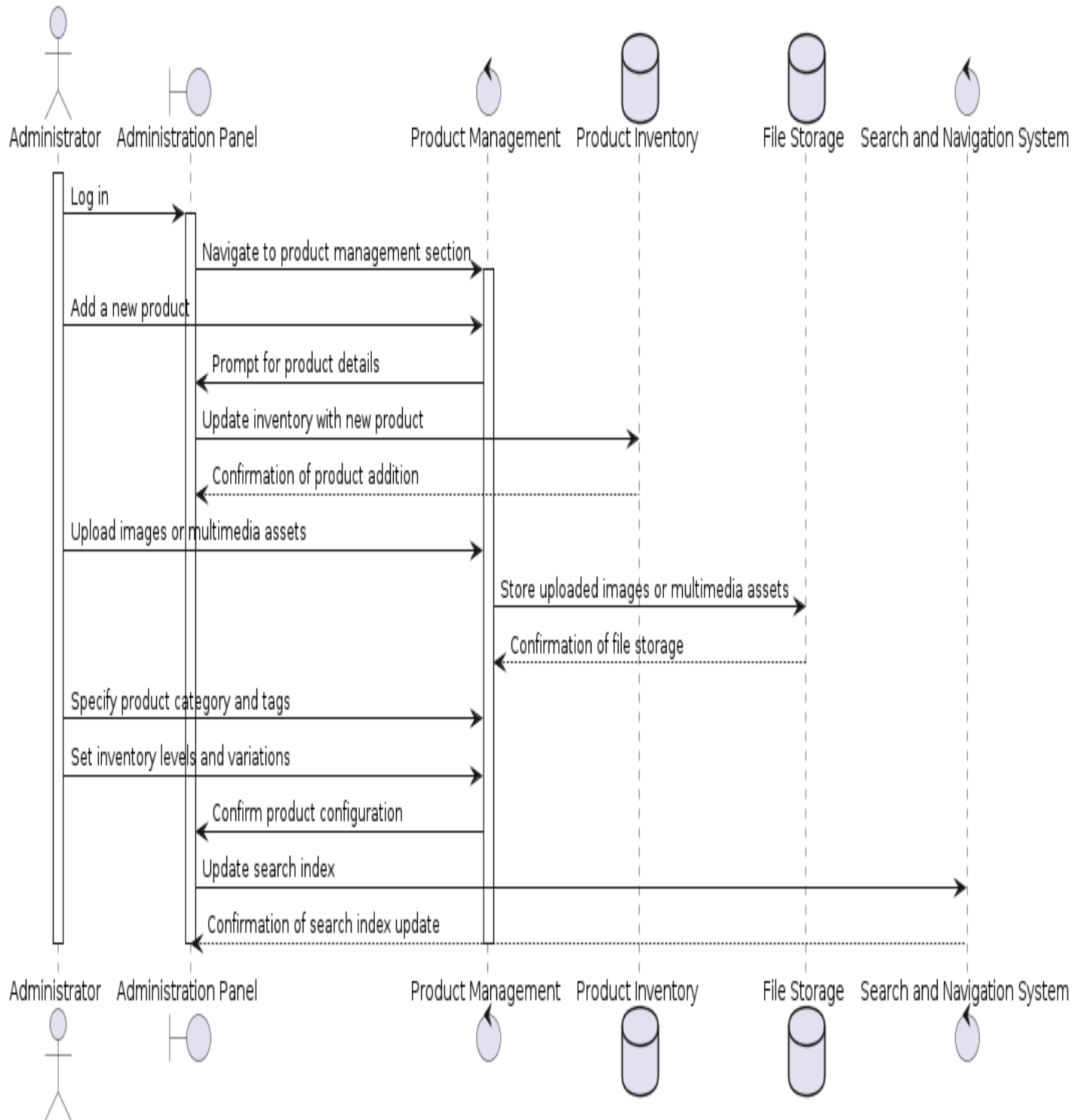
USE CASE 11 : ADMIN Add a new product to inventory.

SSD and its corresponding SD:

SSD: Add a New Product to Inventory



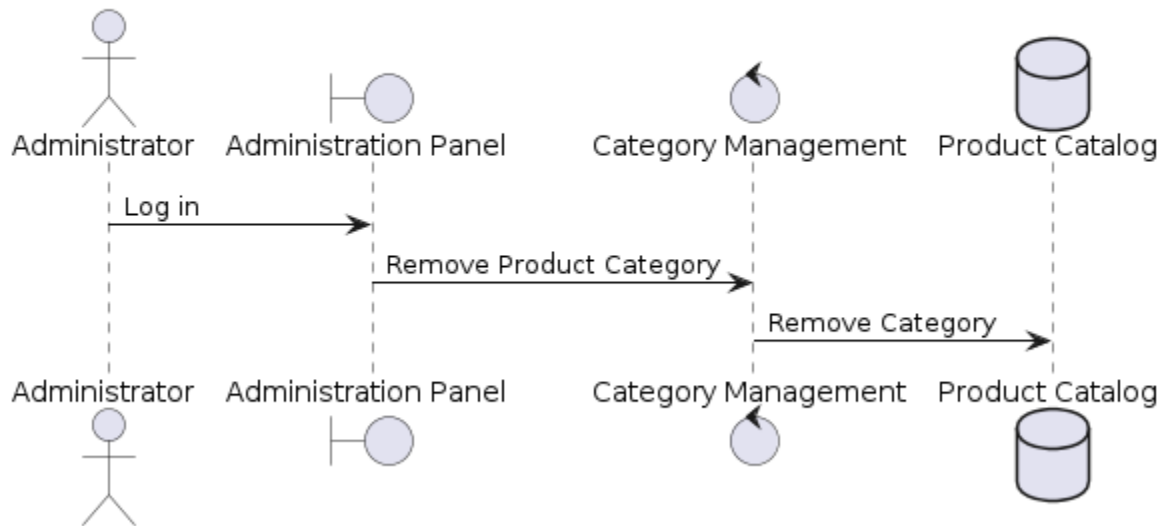
SD: Add a New Product to Inventory (Main Success Scenario)



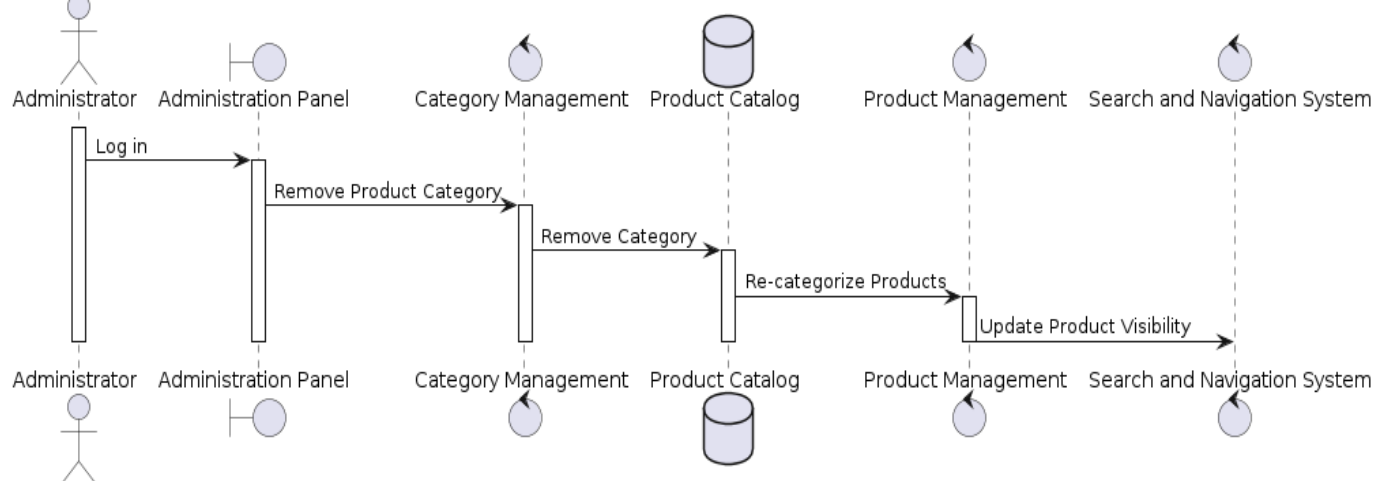
USE CASE 12: ADMIN Remove a product category

SSD and its corresponding SD:

SSD: Remove a Product Category

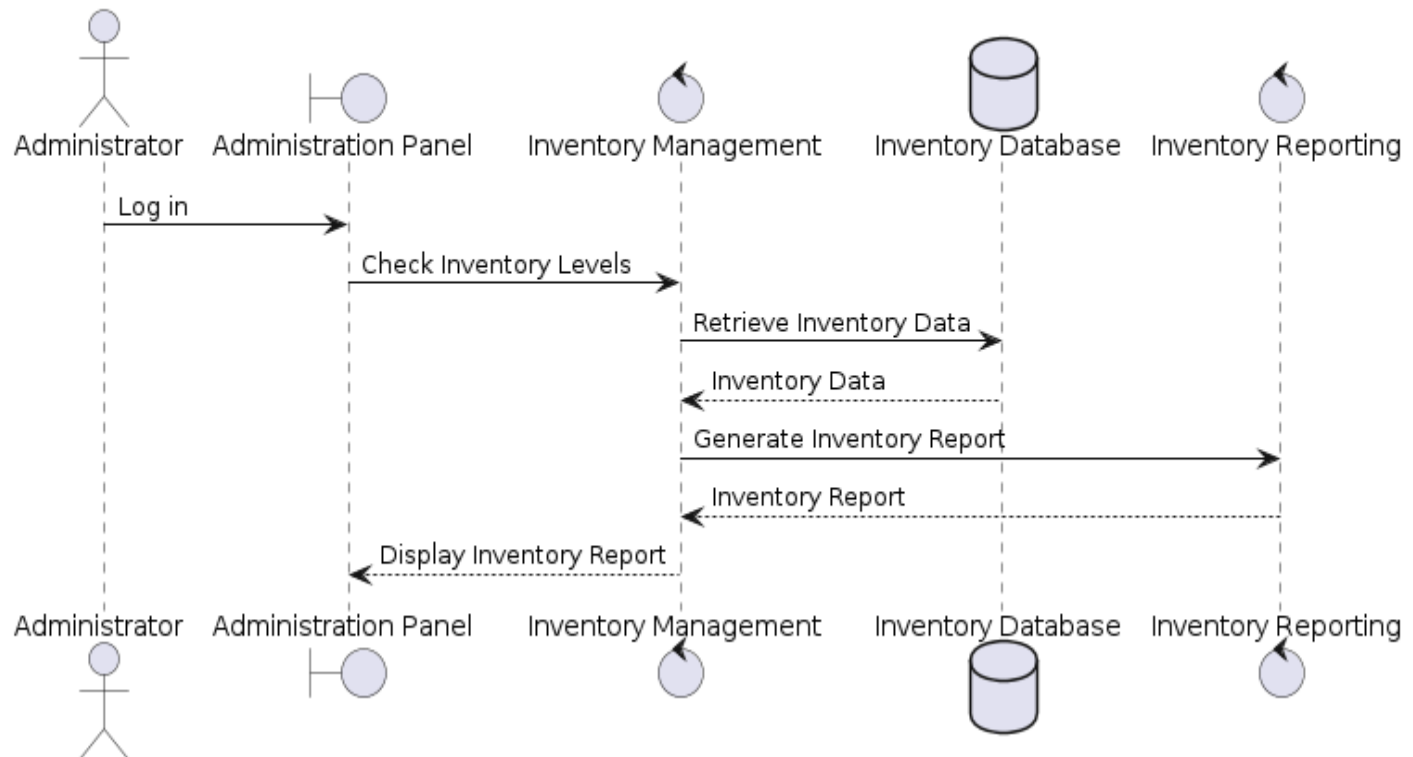


SD: Remove a Product Category (Main Success Scenario)

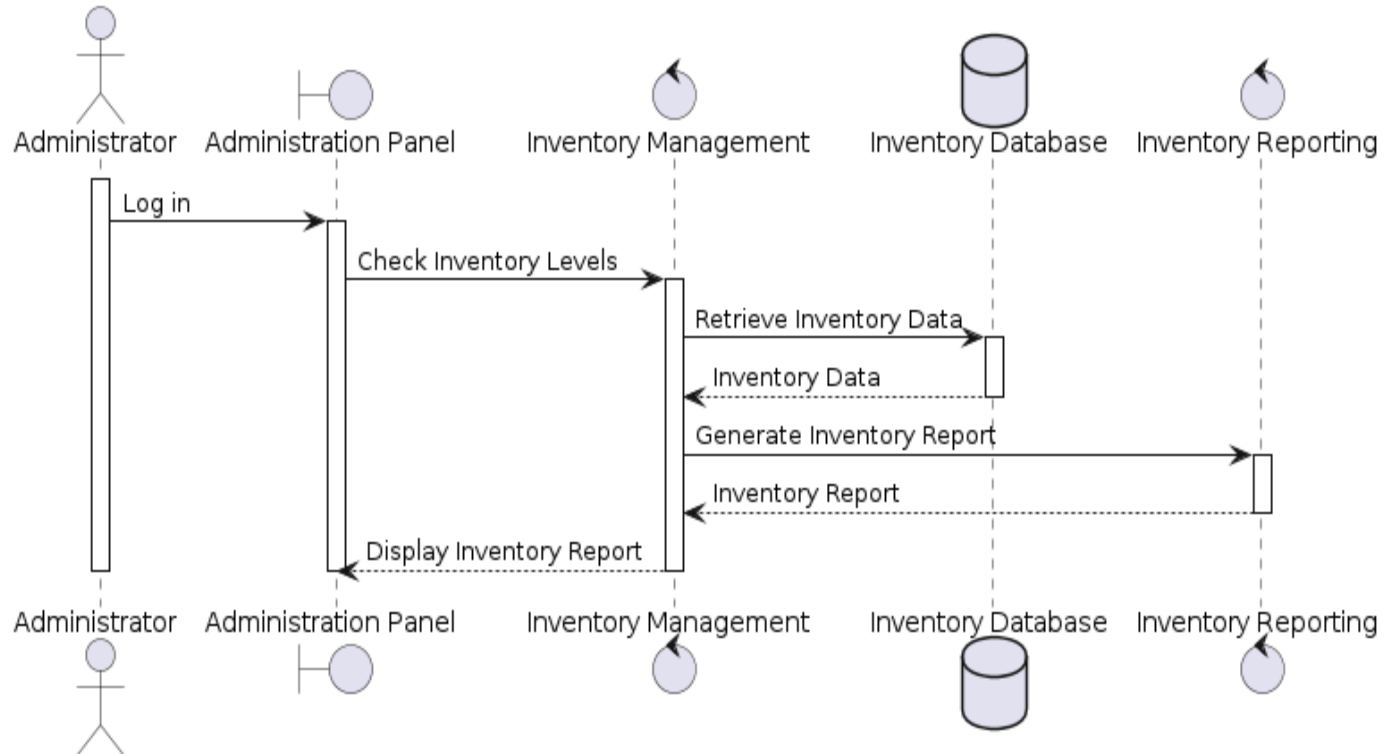


USE CASE 13 : ADMIN Check the inventory levels of each product
SSD and its corresponding SD:

System Sequence Diagram: Check Inventory Levels of Each Product



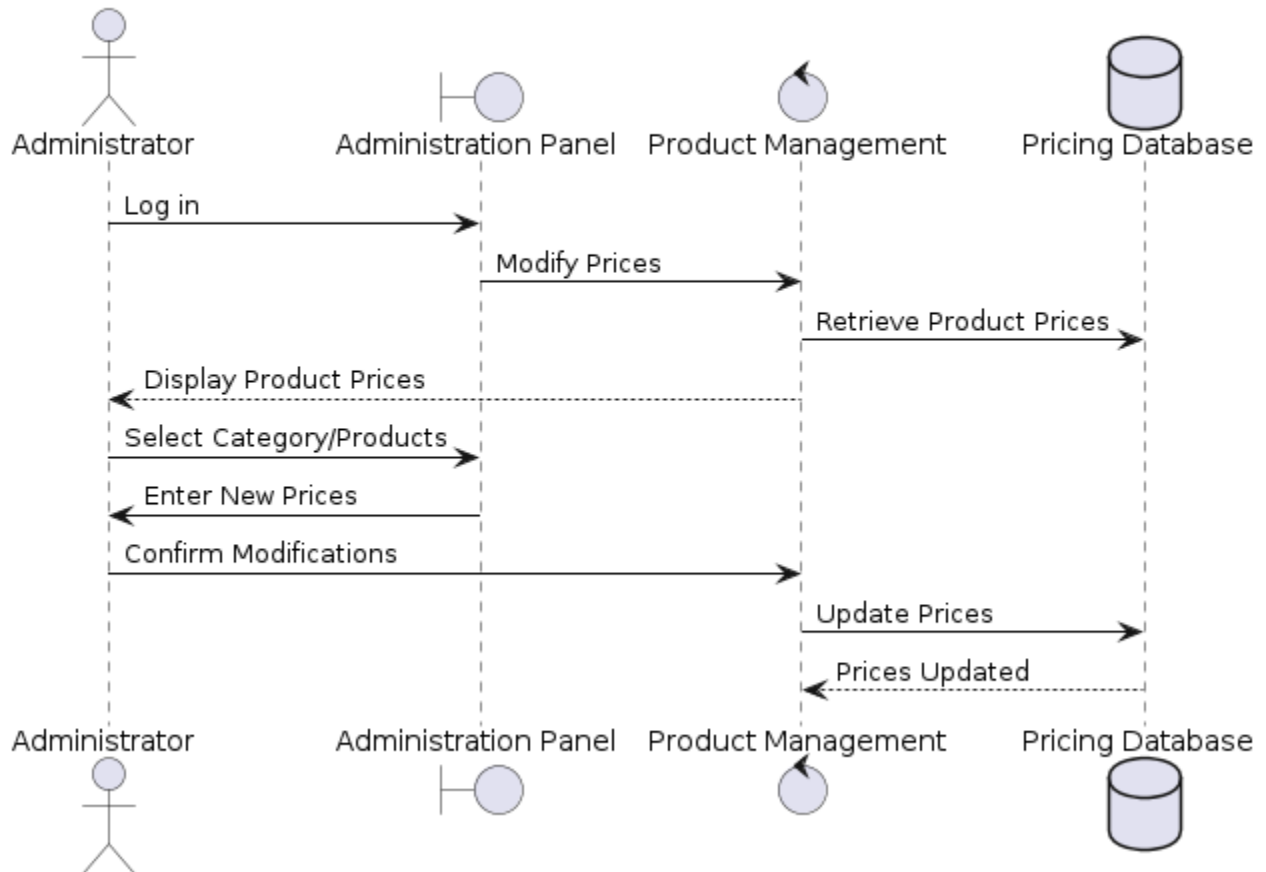
Sequence Diagram: Check Inventory Levels of Each Product



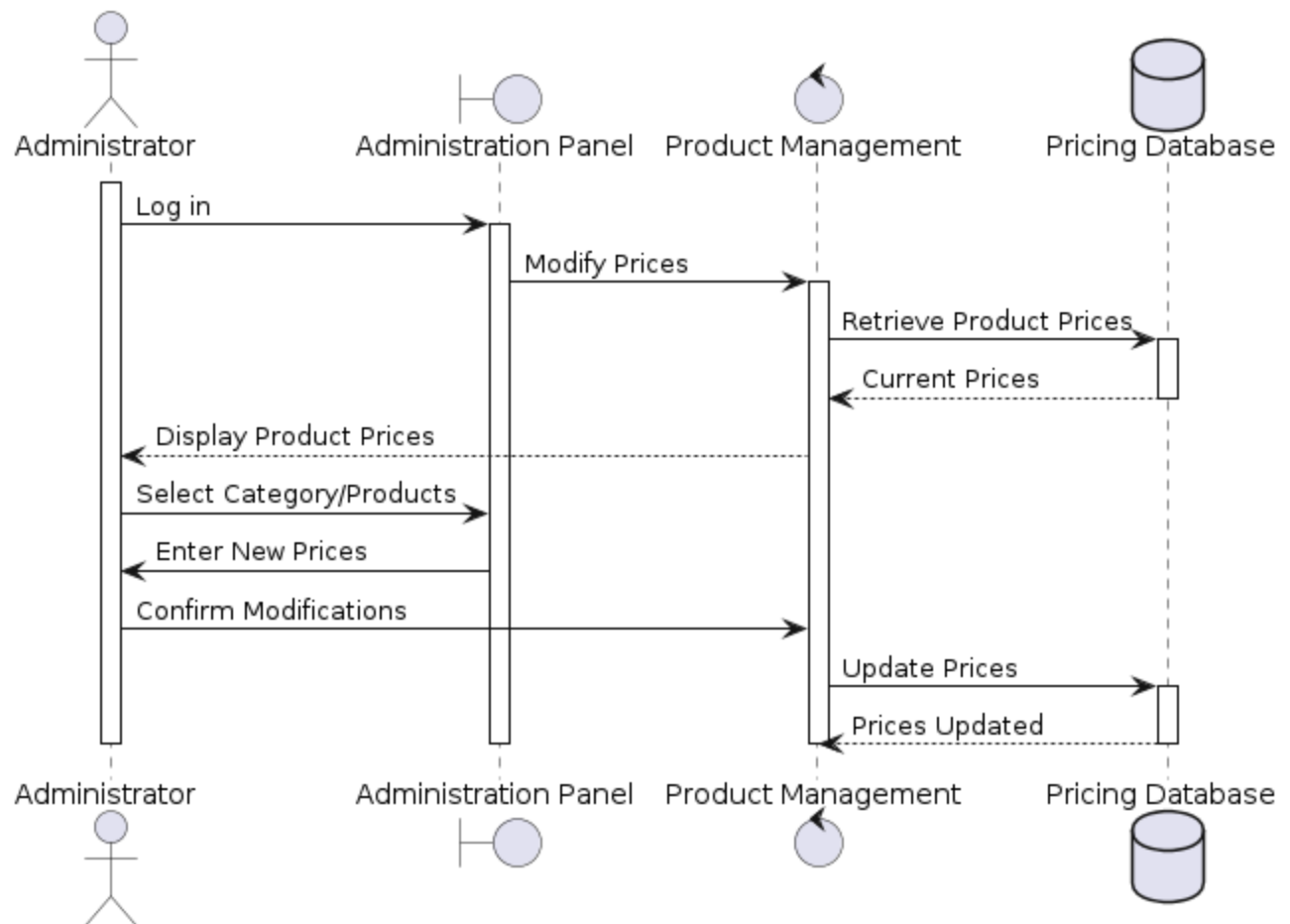
USE CASE 14 : ADMIN Modify the price of products in different categories

SSD and its corresponding SD:

System Sequence Diagram: Modify the Price of Products in Different Categories



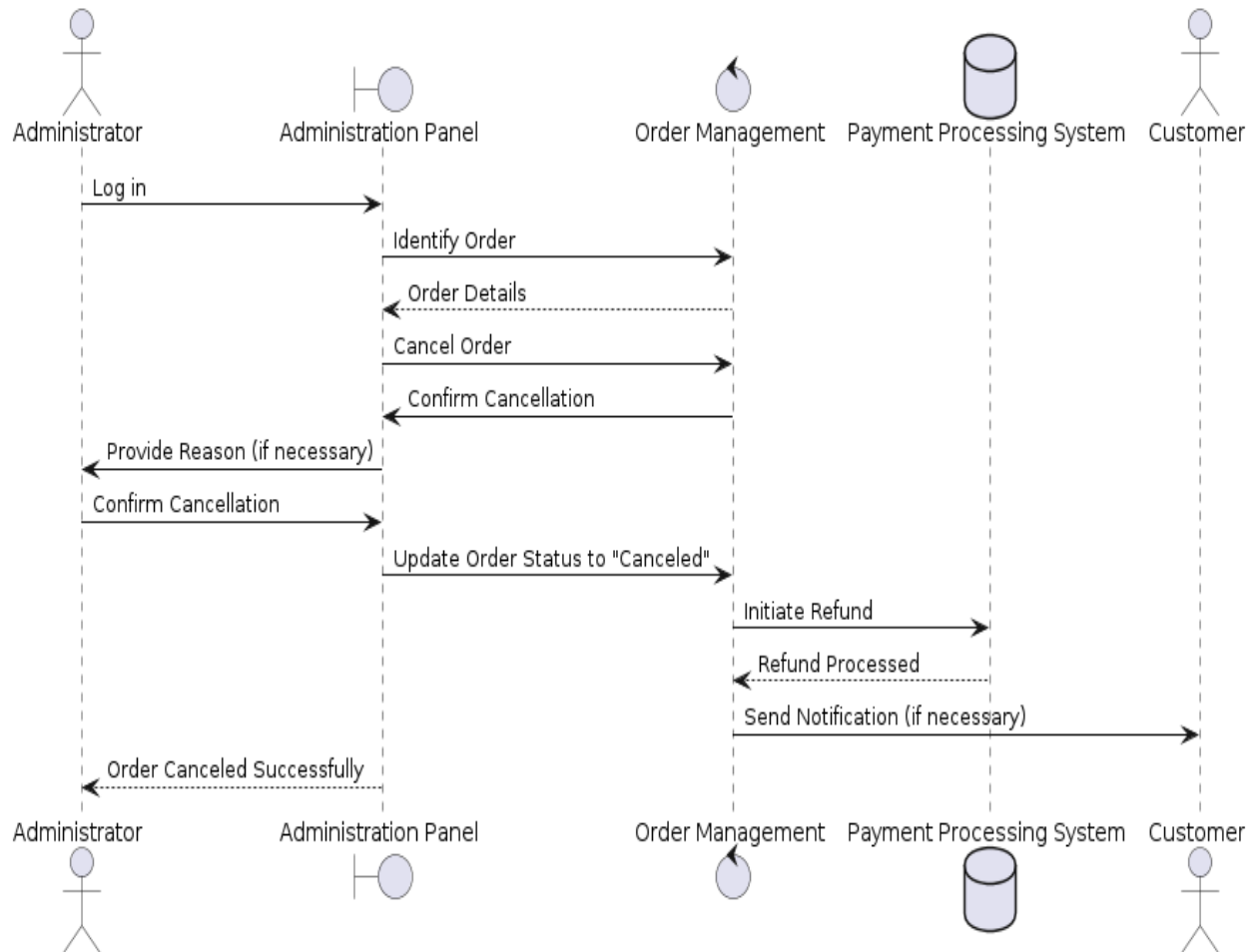
Sequence Diagram: Modify the Price of Products in Different Categories



USE CASE 15 : ADMIN Cancel order (if the customer does not respond)

SSD and its corresponding SD:

System Sequence Diagram: ADMIN Cancel Order (If Customer Does Not Respond)



Sequence Diagram: ADMIN Cancel Order (If Customer Does Not Respond)

