Assignment 1: Delivery Management System

Asma M. Aldahmani 202309162

Zayed University, Collage of Interdisciplinary Studies

IDS220: Programing fundamentals

Dr. Areej Abdulfattah

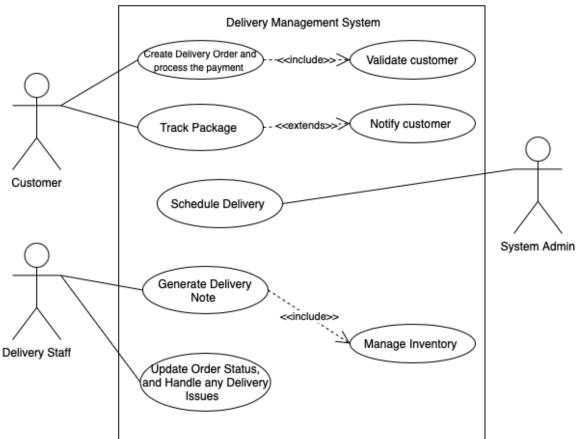
February 27, 2025

1. Identify Use-Cases

a. Use Cases for the Delivery Management System:

- 1. Create Delivery Order and Process the Payment
- 2. (include) Validate Customer
- 3. Track Package
- 4. (extend) notify customer
- 5. Schedule Delivery
- 6. Generate Delivery Note
- 7. (include) Manage inventory
- 8. Update Order Status and Handle any Delivery Issues

b. UML Use-Case Diagram Visualization:



Link: Assignment 1 task 1 .drawio-2.html

The diagram shows who uses the delivery system and what they can do with it. Customers can place delivery orders, process payment and track packages, while delivery staff handle order updates, and delivery issues and create delivery receipts. Some functions automatically include others, like checking customer details during order creation. Other features are optional, such as sending notifications when tracking updates happen.

c. Use-Case Description Tables for Three Main Scenarios:

Use Case 1: Create Delivery Order

Aspects	Description
Use Case	Create Delivery Order and the Process
	Payment
Trigger	1. Customer initiates a new delivery order
66 -	request
	2. confirm the payment process
Precondition	1. Customer is registered in the system
	2. Items are available for delivery
	3. customer payment method validity
Actors	Customer
	System
Main scenarios	1. Customer logs into the system
	2. Customer selects items for delivery
	3. System validates item availability
	4. Customer submits their delivery address
	together with relevant contact information to
	the system.
	5. The customer chooses both their preferred
	date along with delivery method.
	6. Total cost and delivery fees get computed
	by the system.
	7. Customer confirms order details
	8. The system appears a new delivery order
	before it distributes an order number to it.
	9. Customer choose their payment method
	10. System redirects to payment processing
	11. The customer pay for the order
	12. The system indicates successful
	processing of the payment.
Exceptional Scenarios	1. Items are out of stock: the system will
•	notify buyers and share suitable replacement
	options.
	2. Invalid delivery address: The system
	requires customers to fix the information.
	3. Delivery date unavailable: The system
	presents alternative time slots to the customer.
	4. Payment method is invalid/ expired:
	System reject the order, appearing a message
	to retry.
Includes	Validate Customer

Use Case 2: Generate Delivery Note

Aspects	Description
Use Case	Generate Delivery Note
Trigger	Order is confirmed and payment is processed
Precondition	1.Order has been created
	2. Payment has been successfully processed
	3. Order is scheduled for delivery
Actors	Delivery Staff
	System
Main scenarios	1. The delivery staff chooses which order
	needs processing at this time.
	2. The system retrieves every detail needed
	for a specific order including customer
	information together with items and delivery
	specifications.
	3. System applies final calculations to
	produce costs after tax along with related
	fees.
	4. Letting the system create a delivery note
	which receives its own particular reference
	number.
	5. System displays the delivery note
	6. The delivery staff obtains the delivery note
	by printing it from the system.
	7. System updates the order status to "Ready
	for Delivery" through its operations.
Exceptional Scenarios	1. Order information incomplete: System
	prompts personnel to finish all missing
	information.
	2. Printing error: System offers option to
	email the delivery note
	3. Item availability changed: The system acts
	as an alert system with suggestion features for
	staff adjustments.
Includes	Manage Inventory

Use Case 3: Track Packag

Aspects	Description	
Use Case	Track Package	
Trigger	Customer or delivery staff requests package	
	tracking information	
Precondition	1. Valid order exists in the system	
	2. Order has been processed	
Actors	Customer	
	Delivery Staff	
	System	
Main scenarios	1. User enters order number/reference number	
	2. System validates the order number	
	3. The system obtains status and location data	
	at the present moment.	
	4. The system shows tracking information	
	that contains delivery time predictions.	
	5. User views the tracking details	
Exceptional Scenarios	1. Invalid order number: System displays	
	error message	
	2. Tracking information unavailable: The	
	system presents the previously recorded status	
	from an unknown time	
	3. Delivery delayed: System provides reason	
	for delay and updated estimate	
Extends	Notify Customer (optional notification when	
	tracking status changes)	

Use Case 4: Update Order Status and Handle Delivery Issues

Aspects	Description
Use Case	Update Order Status and Handle Delivery
	Issues
Trigger	1. Status change in delivery process
	2. Delivery issue reported by customer or
	staff
Precondition	1. Valid order exists in the system
	2. User has appropriate access rights
Actors	Delivery Staff
	Customer
	System
Main scenarios	1. The delivery staff member uses the system
	to access the platform.
	2. Staff searches and picks a particular order
	from the system database.
	3. The system presents current order data as
	well as comprehensive order information.
	4. The staff team updates the status
	descriptions (e.g., in transit, delivered,
	delayed).
	5. Staff members take note of any problems
	that arise during their work.
	6. Staff applies appropriate resolution action
	7. System updates the order record
	8. The system provides status notification to
	the customer.
Exceptional Scenarios	1. System unavailable: Staff records update
	offline and syncs later
	2. Unresolvable issue: Staff reaches to the
	supervisor
	3. Item damaged: the staff member starts the return procedure or determines necessary
	replacement requirements.
	4. Delivery at wrong address: requires staff
	members to organize another delivery
	attempt.

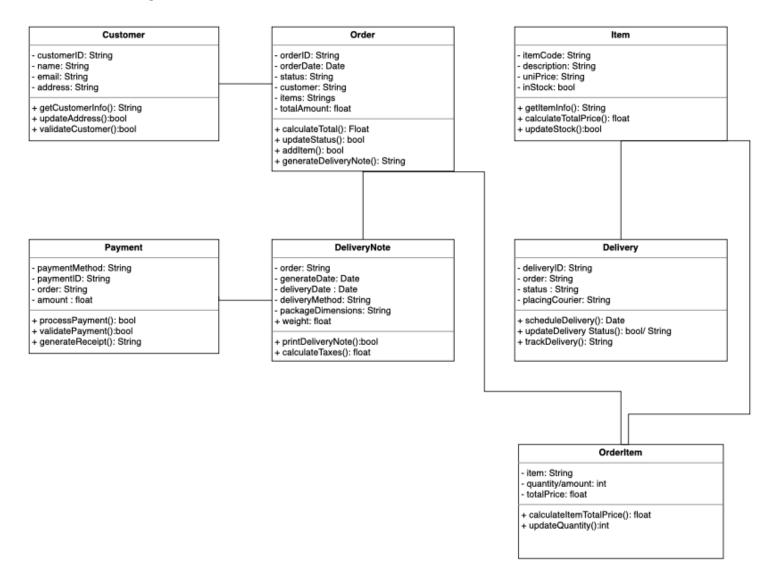
Use Case 5: Schedule Delivery

Aspects	Description
Use Case	Schedule Delivery
Trigger	Order confirmed and ready for delivery
	scheduling
Precondition	1. Order has been created and payment
	processed
	2. Items are in stock and ready for shipment
Actors	Delivery Staff
	Customer
	System
Main scenarios	1. The system produces a list containing new
	orders that need scheduling assignment.
	2. Staff examines delivery details by
	reviewing the location information as well as
	size parameters and priority levels.
	3. The staff conducts checks for delivery slots
	and available resources.
	4. Staff members assign delivery dates and
	times together with courier services.
	5. The system generates an optimized delivery
	plan that includes the best route.
	6. The system successfully switches order
	status to read "Scheduled."
	7. The system automatically sends delivery
	schedule information to customers regarding
	their delivery date together with time.
Exceptional Scenarios	1. No suitable delivery slots: Staff works with
	customers to find replacement delivery date
	2. Resource shortage: Staff members provide
	priority service to deliveries while shifting
	lower-priority orders to different times.
	3. Remote location unreachable: Staff
	arranges special delivery method
	4. Last-minute cancellation: Staff reschedules
	resources for other deliveries.

2. Identify Objects and Classes:

- a. Based on the use-case descriptions those are the main classes:
- 1. Customer Represents the recipient of the delivery
- 2. Order Represents the delivery order with its details
- 3. Item Represents products being delivered
- 4. DeliveryNote Represents the delivery receipt document
- 5. Payment Handles payment processing information
- 6. Delivery Manages delivery scheduling and tracking information
- 7. OrderItem calculates the total prices and the amount of available stocks
- b. UML use-case diagram

Link: Assignment 1, task 2 .drawio-2.htmlh



c. The supporting descriptions for the classes and the access specifiers for member visibility:

Class	Attributes (Private) -	Methods (Public) +
Customer	 customerID: Unique identifier for each customer name: Full name of the customer email: Email address for contact address: Delivery address 	- getCustomerInfo(): Returns all customer information - updateAddress(): Updates customer's address - validateCustomer(): Validates customer information
Order	- orderID: Unique identifier for each order (DEL123456789) - orderDate: Date when the order was placed - status: Current status of the order - customer: Reference to the Customer object - items: List of OrderItem objects - totalAmount: Total order amount including taxes	- calculateTotal(): Calculates the total order amount - updateStatus(): Updates the order status - addItem(): Adds an item to the order - generateDeliveryNote(): Creates a delivery note
Item	 itemCode: Unique identifier for each item (ITM001) description: Description of the item unitPrice: Price per unit of the item inStock: Availability status 	- getItemInfo(): Returns all item information - calculateTotalPrice(): Calculates price based on quantity - updateStock(): Updates inventory when items are ordered
Delivery Note	 order: Associated Order object generationDate: Date when note was generated deliveryDate: Scheduled delivery date deliveryMethod: Method of delivery (Courier) packageDimensions: Size information of package weight: Weight of package in kg 	- printDeliveryNote(): Prints the delivery note - calculateTaxes(): Calculates applicable taxes
Payment	 paymentMethod: Method of payment paymentID: Unique identifier for payment order: Associated Order object amount: Payment amount 	 processPayment(): Processes the payment validatePayment(): Validates payment information generateReceipt(): Generates payment receipt

Delivery	 - deliveryID: Unique identifier for delivery - order: Associated Order object - status: Current delivery status - placingCourier: Courier assigned for delivery 	 - scheduleDelivery(): Schedules delivery date and time - updateDeliveryStatus(): Updates delivery status - trackDelivery(): Provides tracking information
OrderItem	 item: Reference to an Item object quantity: Number of items ordered totalPrice: Total price for the item quantity 	- calculateItemTotalPrice(): Calculates total price - updateQuantity(): Updates item quantity

3. Create Python Classes and Objects:

For this code part, for each class I conduct with exactly 5 attributes, I have getter methods for all attributes, also, setter methods for mutable attributes, the required function headers with pass statements with their comments to indicate what the function should achieve. Finally, I have maintained the necessary Enum classes for statuses and methods.

4. Use objects to generate a Delivery Note:

From this step, I've learned how to create objects from different classes like Customer, Item, OrderItem, Order, and DeliveryNote, giving them specific attributes to represent real-life things. discovering how to build connections between these objects by passing them as parameters to other objects' constructors, forming a linked structure. Moreover, accessing data from these objects while using getter methods and how to use setter methods to change values. This helps to calculate totals, like total weight and prices. Finally, I've learned how to create a function that uses these connected objects to generate a well-organized delivery note with clear spacing.

Link (in case) for both part 3 and 4: https://www.programiz.com/online-compiler/3eYGvnA248Usu

I have merged the **PDFs**, please scroll all the way down for the code.

Summary of learnings:

This assignment was a real learning experience for me. At first, I felt overwhelmed trying to identify all the use-cases, but once I started thinking about how a delivery system works, it became more manageable. Drawing the UML diagrams helped me visualize everything, and it made me feel more confident in how the system should be structured. Writing the Python code was a bit tricky at first, especially figuring out how to set up the classes with constructors and methods, but it felt great when I finally got everything working. The most rewarding part was seeing the delivery note come together using all the pieces I built. Overall, I feel like I've learned a lot about system design, UML, and coding in Python, and I'm definitely more comfortable with object-oriented programming now.

The PDF code for both part 3 and 4:

```
In [3]: from enum import Enum
        from datetime import datetime
        from typing import List
        # Enum representing various order statuses
        class OrderStatus(Enum):
            CREATED = "Created"
            PROCESSING = "Processing"
            READY FOR DELIVERY = "Ready for Delivery"
            IN TRANSIT = "In Transit"
            DELIVERED = "Delivered"
            CANCELLED = "Cancelled"
        # Enum representing various delivery statuses
        class DeliveryStatus(Enum):
            SCHEDULED = "Scheduled"
            PICKED UP = "Picked Up"
            IN TRANSIT = "In Transit"
            OUT FOR DELIVERY = "Out for Delivery"
            DELIVERED = "Delivered"
            DELAYED = "Delayed"
            FAILED = "Failed"
        # Enum representing payment methods
        class PaymentMethod(Enum):
            CREDIT CARD = "Credit Card"
            DEBIT CARD = "Debit Card"
            PAYPAL = "PayPal"
            BANK TRANSFER = "Bank Transfer"
            CASH ON DELIVERY = "Cash on Delivery"
        # Enum representing delivery methods
        class DeliveryMethod(Enum):
            STANDARD = "Standard"
            EXPRESS = "Express"
            OVERNIGHT = "Overnight"
```

```
SAME DAY = "Same Day"
    PICKUP = "Pickup"
# Class representing a customer
class Customer:
    def init (self, customer id, name, email, address, phone):
        self. customer id = customer id # Unique customer identifier
        self. name = name # Customer's name
        self. email = email # Customer's email address
        self. address = address # Customer's delivery address
        self. phone = phone # Customer's phone number
    # Getter methods
    def get customer id(self):
        return self. customer id # Return customer ID
    def get name(self):
        return self. name # Return customer name
    def get email(self):
        return self. email # Return customer email
    def get address(self):
        return self. address # Return customer address
    def get phone(self):
        return self. phone # Return customer phone number
    # Setter methods
    def set name(self, name):
        self. name = name # Update customer name
    def set email(self, email):
        self. email = email # Update customer email
    def set address(self, address):
        self. address = address # Update customer address
```

```
def set phone(self, phone):
       self. phone = phone # Update customer phone number
    def get customer info(self):
        # Return customer info - to be implemented
       pass
    def update address(self, new address):
        # Update customer address - to be implemented
       pass
    def validate customer(self):
        # Validate customer information - to be implemented
        pass
# Class representing an item
class Item:
   def init (self, item code, description, unit price, in stock, weight):
       self. item code = item code # Unique item identifier
       self. description = description # Description of the item
       self. unit price = unit price # Price per unit
        self. in stock = in stock # Availability status
       self. weight = weight # Weight of the item
    # Getter methods
    def get item code(self):
        return self. item code # Return item code
    def get description(self):
       return self. description # Return item description
   def get unit price(self):
       return self.__unit price # Return unit price
    def get in stock(self):
       return self. in stock # Return stock status
    def get weight(self):
```

```
return self. weight # Return weight
    # Setter methods
   def set description(self, description):
       self. description = description # Update item description
    def set unit price(self, unit price):
       self. unit price = unit price # Update unit price
    def set in stock(self, in stock):
       self. in stock = in stock # Update stock availability
    def set weight(self, weight):
       self. weight = weight # Update item weight
    def get item info(self):
        # Return all item information - to be implemented
        pass
   def calculate total price(self, quantity):
       # Calculate total price for given quantity - to be implemented
       pass
    def update stock(self, quantity change):
       # Update inventory - to be implemented
       pass
    def is available(self, quantity):
        # Check if requested quantity is available - to be implemented
        pass
# Class representing an order item
class OrderItem:
   def init (self, item, quantity, unit price, discount, total price):
       self. item = item # Reference to the item
       self. quantity = quantity # Quantity ordered
       self. unit price = unit price # Price per unit
       self. discount = discount # Discount applied
```

```
self. total price = total price # Total price after discount
    # Getter methods
    def get item(self):
        return self. item # Return the associated item
    def get quantity(self):
        return self. quantity # Return quantity ordered
    def get unit price(self):
        return self. unit price # Return unit price
    def get discount(self):
        return self. discount # Return discount applied
    def get total price(self):
        return self. total price # Return total price
    # Setter methods
    def set quantity(self, quantity):
        self. quantity = quantity # Update quantity ordered
    def set discount(self, discount):
        self. discount = discount # Update discount applied
    def set total price(self, total price):
        self. total price = total price # Update total price
    def calculate item total price(self):
        # Calculate total price with discount - to be implemented
        pass
    def update quantity(self, quantity):
        # Update quantity and recalculate price - to be implemented
        pass
# Class representing an order
class Order:
```

```
def init (self, order id, order date, status, customer, total amount):
   self. order id = order id # Unique order identifier
   self. order date = order date # Date when order was placed
   self. status = status # Current order status
   self. customer = customer # Reference to the associated customer
    self. total amount = total amount # Total amount for the order
    self. items = [] # List of items in the order
# Getter methods
def get order id(self):
   return self. order id # Return order ID
def get order date(self):
   return self. order date # Return order date
def get status(self):
    return self. status # Return order status
def get customer(self):
   return self. customer # Return associated customer
def get total amount(self):
   return self. total amount # Return total order amount
def get items(self):
   return self. items # Return list of order items
# Setter methods
def set status(self, status):
    self. status = status # Update order status
def set total amount(self, total amount):
   self. total amount = total amount # Update total order amount
def calculate total(self):
    # Calculate total order amount - to be implemented
    pass
```

```
def update status(self, status):
       # Update order status - to be implemented
        pass
   def add item(self, item, quantity, discount=0.0):
       # Add item to order - to be implemented
        pass
    def remove item(self, item code):
        # Remove item from order - to be implemented
        pass
    def generate delivery note(self):
        # Create delivery note - to be implemented
       pass
# Class representing a payment
class Payment:
    def init (self, payment id, order, amount, payment method, status):
       self. payment id = payment id # Unique payment identifier
       self. order = order # Reference to the associated order
       self. amount = amount # Payment amount
       self. payment method = payment method # Method of payment
        self. status = status # Current payment status
    # Getter methods
    def get payment id(self):
       return self. payment id # Return payment ID
    def get order(self):
       return self. order # Return associated order
    def get amount(self):
        return self. amount # Return payment amount
    def get payment method(self):
       return self. payment method # Return payment method
```

```
def get status(self):
       return self. status # Return payment status
   # Setter methods
   def set amount(self, amount):
       self. amount = amount # Update payment amount
   def set payment method(self, payment method):
       self. payment method = payment method # Update payment method
   def set status(self, status):
       self. status = status # Update payment status
   def process payment(self):
       # Process the payment - to be implemented
       pass
   def validate payment(self):
       # Validate payment information - to be implemented
       pass
   def generate receipt(self):
       # Generate payment receipt - to be implemented
       pass
# Class representing a delivery note
class DeliveryNote:
   def init (self, note id, order, generation date, delivery date, delivery method):
       self. note id = note id # Unique delivery note identifier
       self. order = order # Reference to the associated order
       self. generation date = generation date # Date note was generated
       self. delivery date = delivery date # Scheduled delivery date
       self. delivery method = delivery method # Method of delivery
   # Getter methods
   def get note id(self):
       return self. note id # Return delivery note ID
```

```
def get order(self):
       return self. order # Return associated order
    def get generation date(self):
       return self. generation date # Return generation date
    def get delivery date(self):
       return self. delivery date # Return delivery date
    def get delivery method(self):
        return self. delivery method # Return delivery method
    # Setter methods
   def set delivery date(self, delivery date):
       self. delivery date = delivery date # Update delivery date
    def set delivery method(self, delivery method):
        self. delivery method = delivery method # Update delivery method
   def print delivery note(self):
        # Format and print delivery note - to be implemented
       pass
    def calculate taxes(self):
       # Calculate applicable taxes - to be implemented
        pass
    def email delivery note(self, email=None):
        # Email delivery note to customer - to be implemented
        pass
# Class representing a delivery
class Delivery:
   def init (self, delivery id, order, status, tracking number, courier):
       self.__delivery_id = delivery_id # Unique delivery identifier
       self. order = order # Reference to the associated order
       self. status = status # Current delivery status
       self. tracking number = tracking number # Tracking number for delivery
```

```
self. courier = courier # Courier assigned for delivery
# Getter methods
def get delivery id(self):
    return self. delivery id # Return delivery ID
def get order(self):
    return self. order # Return associated order
def get status(self):
    return self. status # Return delivery status
def get tracking number(self):
    return self. tracking number # Return tracking number
def get courier(self):
    return self. courier # Return assigned courier
# Setter methods
def set status(self, status):
    self. status = status # Update delivery status
def set courier(self, courier):
    self. courier = courier # Update assigned courier
def schedule delivery(self, date, time):
    # Schedule delivery date and time - to be implemented
    pass
def update delivery status(self, status):
    # Update delivery status - to be implemented
    pass
def track delivery(self):
    # Get current tracking information - to be implemented
    pass
def notify customer(self, message):
```

Send notification to customer - to be implemented pass

```
In [10]: # fourth part - using objects to generating a delivery note as the figure given
         from enum import Enum
         from datetime import datetime
         from typing import List
         # All the class definitions are from the provided code for part 3.
         # Use objects to generate a Delivery Note:
         if name == " main ":
             # Create a customer object
             customer = Customer(
                 customer id="CUST001",
                 name="Sarah Johnson",
                 email="sarah.johnson@example.com",
                 address="45 Knowledge Avenue, Dubai, UAE",
                 phone="Not provided" # Phone wasn't in the figure instructions, but I add it optionally in the class
             # Create item objects
             wireless keyboard = Item(
                 item code="ITM001",
                 description="Wireless Keyboard",
                 unit price=100.00,
                 in stock=10, # Assuming the stock available
                 weight=0.5 # And weight in kg
             wireless mouse = Item(
                 item code="ITM002",
                 description="Wirless Mouse & Pad Set",
                 unit price=75.00,
                 in stock=15,
                 weight=0.3
```

```
cooling pad = Item(
    item code="ITM003",
    description="Laptop Cooling Pad",
    unit price=120.00,
    in stock=8,
    weight=1.0
camera_lock = Item(
    item code="ITM004",
    description="Camera Lock",
    unit_price=15.00,
    in stock=20,
    weight=0.2
# Create order items
keyboard item = OrderItem(
    item=wireless keyboard,
    quantity=1,
    unit_price=100.00,
    discount=0,
    total_price=100.00
mouse item = OrderItem(
    item=wireless mouse,
    quantity=1,
    unit price=75.00,
    discount=0,
    total price=75.00
cooling pad item = OrderItem(
    item=cooling pad,
    quantity=1,
```

```
unit price=120.00,
    discount=0,
    total price=120.00
camera lock item = OrderItem(
    item=camera lock,
    quantity=3,
    unit price=15.00,
    discount=0,
   total price=45.00
# Create order
order = Order(
    order id="DEL123456789", # The order ID from the figure
    order date=datetime.strptime("2025-01-25", "%Y-%m-%d"), # The delivery date
    status=OrderStatus.READY FOR DELIVERY,
    customer=customer,
    total amount=283.50 # Total amount of the order
# Add items to order
order. Order items = [keyboard item, mouse item, cooling pad item, camera lock item]
# Create delivery note
delivery note = DeliveryNote(
   note id="DN-2025-001", # Reference Number
    order=order,
    generation date=datetime.now(),
    delivery date=datetime.strptime("2025-01-25", "%Y-%m-%d"),
    delivery method=DeliveryMethod.STANDARD # Assuming delivery method as "Courier"
# Create delivery
delivery = Delivery(
    delivery id="DEL123456789", # Same as order ID
    order=order,
```

```
status=DeliveryStatus.SCHEDULED,
        tracking number="Not provided", # Not in the figure but I added it in class so I have to mentione it her
        courier="Courier" # As mentioned in the figure
# Function to print the delivery note
   def generate delivery note(note):
        order = note.get order() # Get the order from the note
        customer = order.get customer() # Get customer details
        items = order.get items() # Get items in the order
        # Total weight as required
       total weight = 7.0
        # Printing the header
        print("\n" + "="*60)
        print(f"{'Delivery Note':^60}")
        print("="*60)
        print("Thank you for using our delivery service! Please print your delivery receipt and present it")
        print("upon receiving your items.")
        print()
        # printing Recipient Details
        print("Recipient Details:")
        print(f"Name: {customer.get name()}")
        print(f"Contact: {customer.get email()}")
        print(f"Delivery Address: {customer.get address()}")
        print("\n" + "-"*60)
        # Printing Delivery Information
        print("Delivery Information:")
        print(f"Order Number: {order.get order id()}")
        print(f"Reference Number: {note.get note id()}")
        print(f"Delivery Date: {note.get delivery date().strftime('%B %d, %Y')}")
        print(f"Delivery Method: {delivery.get courier()}")
        print(f"Package Dimensions: Not specified")
        print(f"Total Weight: {total weight} kg")
        print("\n" + "-"*60)
```

```
# Summary of Items Delivered
    print("Summary of Items Delivered:")
    print(f"{'Item Code':<10} {'Description':<25} {'Quantity':<10} {'Unit Price (AED)':<20} {'Total Price (AED)':<20}</pre>
    # Using the fixed subtotal of 270.00 as shown
    subtotal = 270.00
    for item in items:
        product = item.get item() # Get product details
        quantity = item.get quantity() # Get quantity
        unit price = item.get unit price() # Get unit price
        total price = item.get total price() # Get total price
        print(f"{product.get item code():<10} {product.get description():<25} {quantity:<10} {unit price:<20.</pre>
    # Use fixed values for calculations
    taxes = 13.50
    total = 283.50
    print("\n")
    print(f"Subtotal: AED {subtotal:.2f}")
    print(f"Taxes and Fees: AED {taxes:.2f}")
    print(f"Total Charges: AED {total:.2f}")
    print("="*60)
# Generate and display the delivery note
generate delivery note(delivery note)
```

Delivery Note

Thank you for using our delivery service! Please print your delivery receipt and present it upon receiving your items.

Recipient Details: Name: Sarah Johnson

Contact: sarah.johnson@example.com

Delivery Address: 45 Knowledge Avenue, Dubai, UAE

Delivery Information:

Order Number: DEL123456789
Reference Number: DN-2025-001
Delivery Date: January 25, 2025

Delivery Method: Courier

Package Dimensions: Not specified

Total Weight: 7.0 kg

Summary of Items Delivered:

Item Code	Description	Quantity	Unit Price (AED)	Total Price (AED)
ITM001	Wireless Keyboard	1	100.00	100.00
ITM002	Wirless Mouse & Pad Set	1	75.00	75.00
ITM003	Laptop Cooling Pad	1	120.00	120.00
ITM004	Camera Lock	3	15.00	45.00

Subtotal: AED 270.00

Taxes and Fees: AED 13.50 Total Charges: AED 283.50

In []