Order

Shopping Cart

Processing

Console

User

Order is placed

Order is processed

places an order

creates a shopping cart

adds products

Create Shopping card

Add item

Place order

Get total

Process order

Print message

class Product:

def \_\_init\_\_(self, name, price):

self.name = name

self.price = price

class ShoppingCart:

def \_\_init\_\_(self):

self.items = []

def add\_item(self, product):

self.items.append(product)

def get\_total(self):

total = sum(product.price for product in self.items)

return totalTop of Form

class Order:

def \_\_init\_\_(self, cart):

self.cart = cart

def place\_order(self):

total = self.cart.get\_total()

print(f"Order placed with total amount: ${total}")

print("Thank you for shopping with us!")

product1 = Product("Laptop", 1000)

product2 = Product("Headphones", 100)

product3 = Product("Mouse", 20)

cart = ShoppingCart()

cart.add\_item(product1)

cart.add\_item(product2)

cart.add\_item(product3)

order = Order(cart)

order.place\_order()