# Assignment: Gherkin Scenario Definition for Inventory Management System

## Objective:

Apply Behavior-Driven Development (BDD) principles by creating Gherkin scenarios for a simple Inventory Management System. The goal is to enhance your understanding of writing clear and concise Gherkin scenarios that reflect various functionalities of the system.

## Instructions:

1. **Scenario 1: Add New Product to Inventory**
    - **Given** the user is logged in as an admin
    - **When** the user adds a new product with the following details:
        - Product Name: "Laptop"
        - Quantity: 50
        - Price: $1000
    - **Then** the system should confirm the successful addition of the product to the inventory.
2. **Scenario 2: Update Product Details in Inventory**
    - **Given** the user is logged in as an admin
    - **And** there is an existing product with the name "Laptop"
    - **When** the user updates the product details to:
        - Quantity: 75
        - Price: $1200
    - **Then** the system should confirm the successful update of the product details.
3. **Scenario 3: Process Customer Order**
    - **Given** the user is logged in as a sales representative
    - **And** there is an existing product with the name "Laptop" and quantity 75
    - **When** the user processes a customer order for 2 laptops
    - **Then** the system should deduct the quantity from the inventory and generate an order confirmation.
4. **Scenario 4: Generate Inventory Report**
    - **Given** the user is logged in as an admin
    - **When** the user generates an inventory report
    - **Then** the system should display a report containing details of all products in the inventory, including their names, quantities, and prices.

## Submission Guidelines:

1. **Gherkin Files:**
    - Create separate Gherkin files for each scenario.
    - Use clear and descriptive feature and scenario titles.
2. **Gherkin Syntax:**

- Ensure correct usage of Given, When, Then keywords.
- Provide a structured and readable format for Gherkin scenarios.

3. **Scenarios Coverage:**
    - Make sure that your Gherkin scenarios cover a range of functionalities in the Inventory Management System.
4. **Documentation:**
    - Include a brief documentation explaining any assumptions made and the context of each scenario.