

## HamiSkills Internship – Python Development Track

### Week 2 Task: CLI-Based Order Management System for Hami MiniMarket

#### Project Brief

Now that the inventory system is working, Hami MiniMarket wants to simulate a **customer order process**. Your task is to extend your Week 1 project into a **command-line order management system**, allowing users to select products, calculate totals, and generate receipts.

This task helps you practice **modular code design, file handling, and basic data persistence**.

#### Deliverables

##### 1. Core Features

- Load product inventory from a file (CSV or JSON)
- Display available products with prices and stock
- Allow user to select products and quantities to add to cart
- Calculate subtotal, apply tax (e.g., 5%), and show final total
- Generate a receipt with itemized list and total cost

##### 2. Technical Requirements

- Use **functions and modular structure** (``main.py``, ``inventory.py``, ``order.py``)
- Implement **input validation** (e.g., check stock before adding to cart)
- Save the final receipt to a **text file** with timestamp
- Use **try/except blocks** to handle errors gracefully

##### 3. Optional Bonus

Add a **discount system** (e.g., 10% off if total > \$20)

Add a **simple login system** for staff (username/password stored in a file)

## **Submission Guidelines**

- Upload your project to **GitHub** with:
- Clear folder structure
- `README.md` explaining how to run the program
- Sample input/output screenshots
- Submit your GitHub repo link on [hamiskills.dev](https://hamiskills.dev) under Week 2 tasks

## **Professional Practice Requirement**

- Post a short **LinkedIn update** with:
- A screenshot of your receipt output
- A brief explanation of your code structure and learning
- Submit the link to your post in the system

## **Evaluation Criteria**

- Code modularity and readability
- Correctness of order and billing logic
- Use of file handling and error management
- Professional presentation (GitHub repo or post)

