

Python Assignment, Here is ss of Readme

```
# Assignment: Inventory Management System
### Python Fall Sem

Practicing OOP principles building terminal Inventory Management System
for grocery store.

## How to Run This application
1. git clone this repository (or extract the zip file). I use uv
2. python -m venv .venv
3. source .venv/bin/activate (Mac/Linux) or .venv\Scripts\activate
   (Windows)
4. pip install -r requirements.txt (there are no dependencies but for
   future)
5. python main.py
```

Screenshots:

```
(Inventory Management System) aviparenot@facebook PRO / Inventory Management
Hello from inventory-management-system!

Starting Tests

Inventory List:
Shampoo, Price: 5.99, Quantity: 50
Milk, Price: 6.57, Quantity: 10, Expiration Date: 2025-9-6
Headphones, Price: 129.99, Quantity: 10, Warranty Remaining (Months): 12
Strawberries, Price: 4.99, Quantity: 40, Expiration Date: 2025-07-01
USB Charger, Price: 19.95, Quantity: 60, Warranty Remaining (Months): 24
Lunch Box, Price: 25.49, Quantity: 23

Sale Canceled: quantity must be positive
After Sales
Shampoo, Price: 5.99, Quantity: 45
Milk, Price: 6.57, Quantity: 10, Expiration Date: 2025-9-6
Headphones, Price: 129.99, Quantity: 5, Warranty Remaining (Months): 12
Strawberries, Price: 4.99, Quantity: 31, Expiration Date: 2025-07-01
USB Charger, Price: 19.95, Quantity: 55, Warranty Remaining (Months): 24
Lunch Box, Price: 25.49, Quantity: 14
```

Edge cases start, jst writing this line for space

Zero Qunatity Test: product id 1 and qty: 0  
Sale Canceled: quantity must be positive  
Test Passed, nothing sold for 0 qty  
Zero Qunatity Test: product id 2 and qty: 0  
Sale Canceled: quantity must be positive  
Test Passed, nothing sold for 0 qty

Overstock Test: product id 1 and qty: 9999  
9999 is a lot!, we only have 45  
Test Passed, no sale for overstock qty  
Overstock Test: product id 3 and qty: 1000  
1000 is a lot!, we only have 5  
Test Passed, no sale for overstock qty

Not existence Test: product id 12345 and qty: 5  
Test Passed! Product 12345 not found.  
Not existence Test: product id 99999 and qty: 1  
Test Passed! Product 99999 not found.