

SE PROJECT – GROUP 08

INVENTORY MANAGEMENT - PROJECT DOCUMENTATION

(<https://github.com/ranjithreddy-31/ASE-Assignment>)

All methods and classes are implemented in python. This repository includes the following files.

- Main functionality files:
 1. **salesDetails.py**: This file includes all the methods related to Invoices.
 2. **warehouse.py**: This file includes all the methods related to Inventory.
- Testing files:
 1. **test_SalesDetails.py**: All the testcases related to Invoice generation (salesDetails.py) are written in this file.
 2. **test_wareHouse.py**: All the testcases related to Invoice generation (salesDetails.py) are written in this file.
- Data files:
 1. **Inventory.csv**: This file stores data related to items in inventory.
 2. **Customers.csv**: This file stores data related to customers.
 3. **SalesDetails.csv**: This file stores data related to invoices.

Modules to install:

1. prettytable
2. pandas
3. tabulate
4. datetime

To install any module in python, run the following command:

pip install <module_name>

Steps to execute the above files:

- **Main functionality files**: To execute the main functionality files, follow the below steps
 1. **salesDetails.py**:
 - launch python terminal in the project repository by running following command in command prompt

Command: **python**
 - Import main function from salesDetails module by running the following command

Command: **from salesDetails import ***
 - Run the main method to launch main menu by running the following command

Command: **main()**

```

PS C:\Users\029458635\Desktop\ASE\ASE-Assignment> python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
KeyboardInterrupt
>>> from salesDetails import *
>>> main()

Welcome to Sales and Invoices module.

1. Generate an invoice
2. Pay an installment
3. Show open invoices
4. Show closed invoices
5. Manually close an Invoice
6. Press any other key to exit

Select an option from the above menu: █

```

2. wareHouse.py

- Launch python terminal in the project repository by running following command in command prompt

Command: **python**

- Import main function from salesDetails module by running the following command

Command: **from wareHouse import ***

- Run the main method to launch main menu by running the following command

Command: **main()**

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
PS C:\Users\029458635\Desktop\ASE\ASE-Assignment> python
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> from wareHouse import *
>>> main()

Warehouse deails
1.Add item to inventory
2.Show quantity of each product by warehouse
3.Show products less than or equal to 5
Press any other key to exit

Enter the number based on the operation that you want to perform: █

```

- **Testcases files:** To execute the testcases files, follow the below steps
 - launch command prompt in the project repository
 - Run the following command to run all the testcases (testcases from both files)

Command: **pytest**

```

PS C:\Users\029458635\Desktop\ASE\ASE-Assignment> pytest
===== test session starts =====
platform win32 -- Python 3.10.2, pytest-7.0.1, pluggy-1.0.0
rootdir: C:\Users\029458635\Desktop\ASE\ASE-Assignment
collected 12 items

test_SalesDetails.py ..... [ 83%]
test_wareHouse.py .. [100%]

===== 12 passed in 1.10s =====

```