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# Project Description

SD-ITI Task



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## Project Description

The application allows users to add products, update stock quantities, view products by category, and calculate the total inventory value.

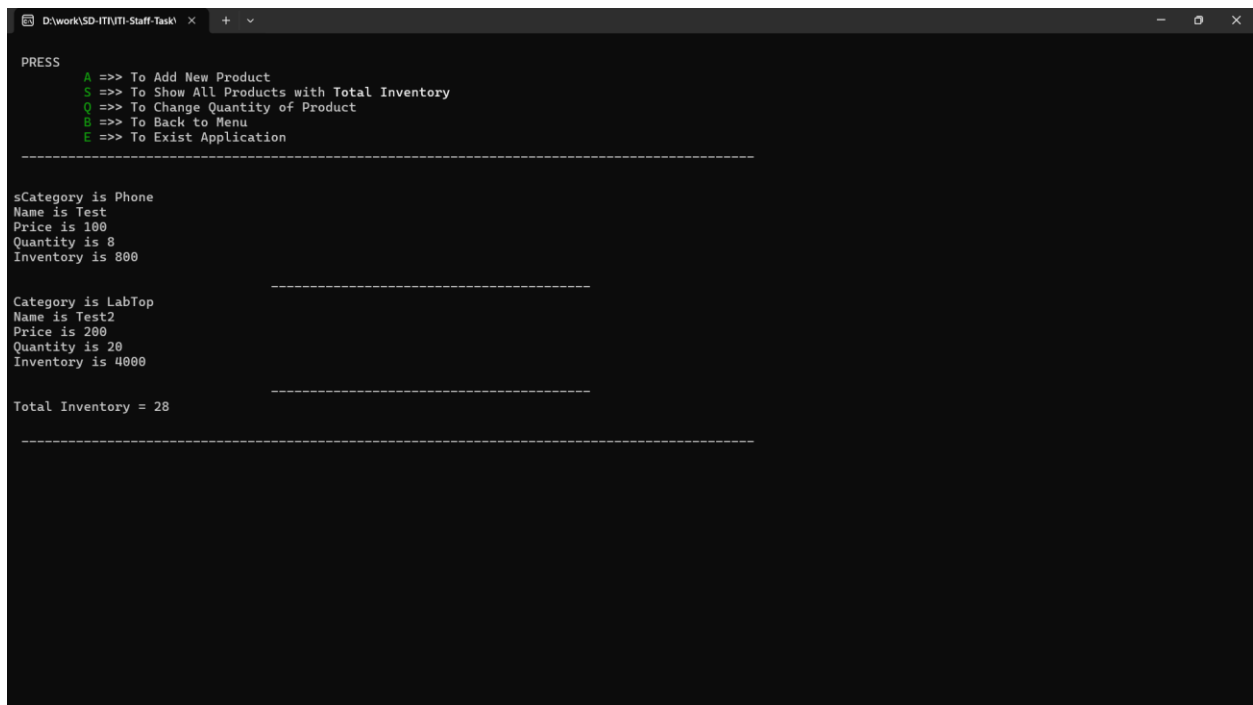
## Project Features

- Adding a New Product
- Updating Product Stock Quantity
- Listing Products by Category and Display Total Inventory Value

## Project Repo

## Project Outputs

### Show all Products



```
D:\work\SD-IT\ITI-Staff-Task\ x + v
PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----

sCategory is Phone
Name is Test
Price is 100
Quantity is 8
Inventory is 800

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 20
Inventory is 4000

-----

Total Inventory = 28

-----
```

### Add new Product

```
D:\work\SD-IT\ITI-Staff-Task\ x + v

sCategory is Phone
Name is Test
Price is 100
Quantity is 10
Inventory is 1000

-----

aSelect Category
Phone | 0 - LabTop | 1 - PC | 2 : 1
Name : Test2
Price : 200
Quantity : 10

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 10
Inventory is 2000

-----

sCategory is Phone
Name is Test
Price is 100
Quantity is 10
Inventory is 1000

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 10
Inventory is 2000

-----

|
```

## Add Product with name already exist

```
D:\work\SD-IT\ITI-Staff-Task\ x + v

Price is 100
Quantity is 10
Inventory is 1000

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 10
Inventory is 2000

-----

aSelect Category
Phone | 0 - LabTop | 1 - PC | 2 : 1
Name : Test2
Price : 200
Quantity : 10
this Test2 already exist

PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----

qName : Test
Adding Quantity : -2

-----

Category is Phone
Name is Test
Price is 100
Quantity is 8
Inventory is 800

-----

|
```

## Update Quantity with Negative value

```
D:\work\SD-IT\ITI-Staff-Task\ x + v

PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----

sCategory is Phone
Name is Test
Price is 100
Quantity is 8
Inventory is 800

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 0
Inventory is 0

-----

qName : Test2
Adding Quantity : -10
The new Quantity will be negative

PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----
```

## Add Product with name not found

```
D:\work\SD-IT\ITI-Staff-Task\ x + v

A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----

qName : Test2
Adding Quantity : 20

-----

Category is LabTop
Name is Test2
Price is 200
Quantity is 20
Inventory is 4000

-----

PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----

qName : tt
Adding Quantity : 3
The tt Product Not Found

PRESS
A ==> To Add New Product
S ==> To Show All Products with Total Inventory
Q ==> To Change Quantity of Product
B ==> To Back to Menu
E ==> To Exist Application

-----
```