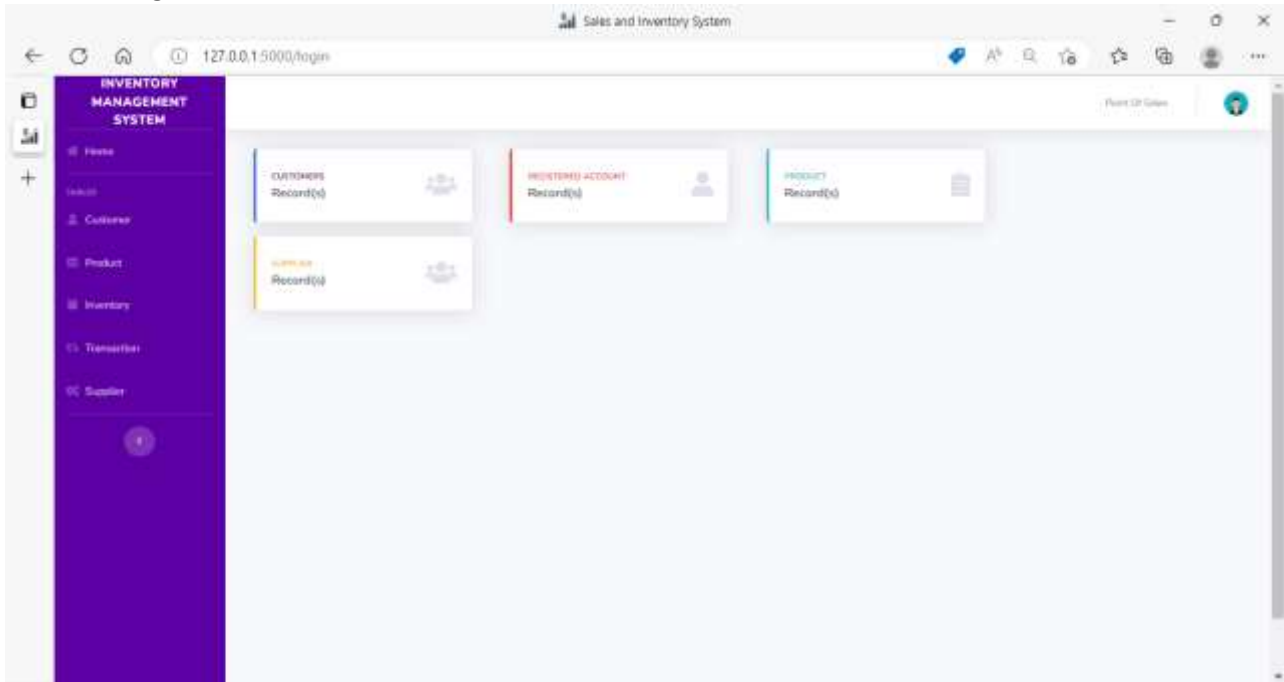


## Implementing Web Application

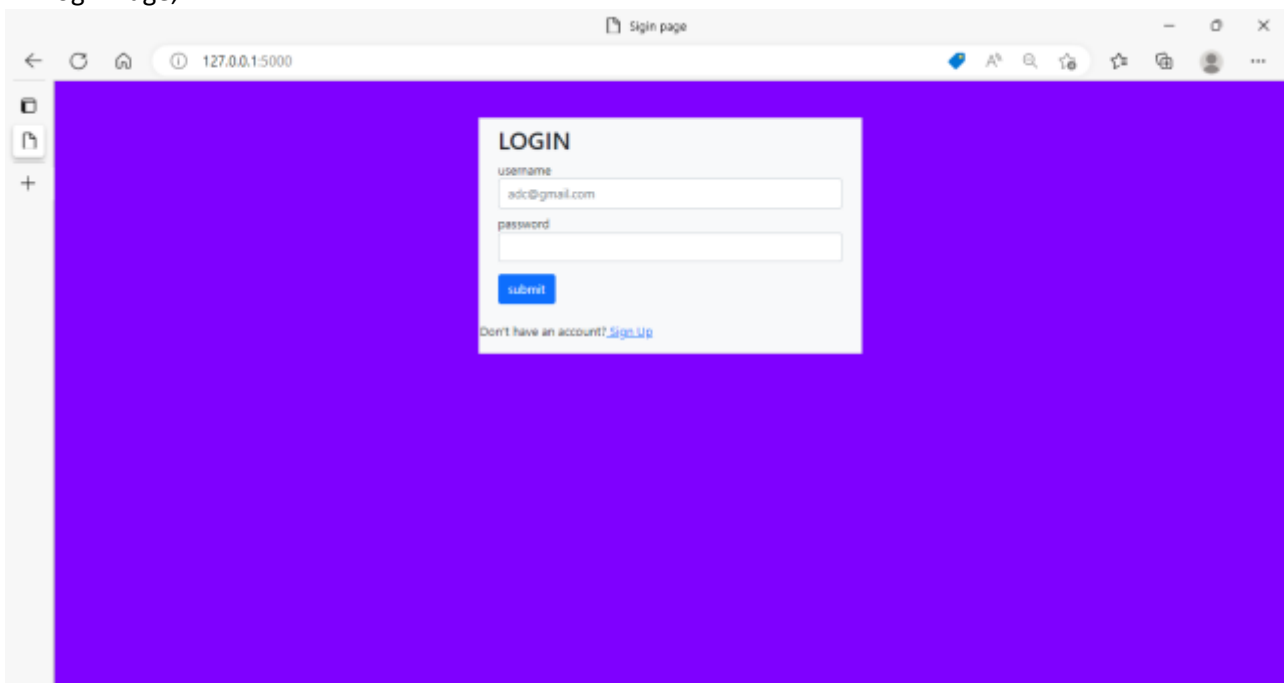
Date	19.11.2022
Team ID	PNT2022TMID41025
Project Name	Inventory Management System for Retailers

Create UI to Interact with Application,

Home Page,



Login Page,



## Register Page,

REGISTER FORM

User name:  
Ram

email:  
abc@gmail.com

password:  
password

retype password:  
password

[submit](#)

already have an account ? please [login](#)

## Products Page,

Sales and Inventory System

Product +

Show: 20 1 entries Search:

Product Code	Name	Price	Category	Action
101	snaps	40	Others	<a href="#">Details</a>
102	oil	20	Others	<a href="#">Details</a>
104	phone	100	Others	<a href="#">Details</a>

Showing 1 to 3 of 3 entries

Previous 1 Next

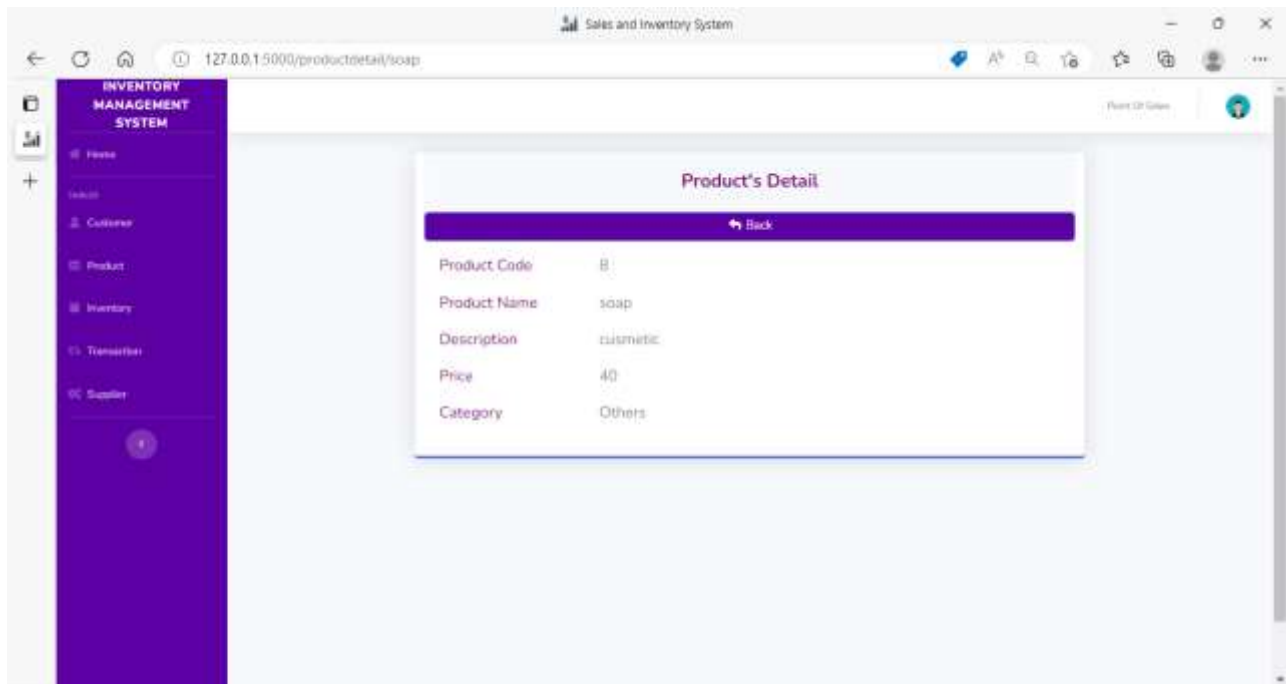
Product detail :

The screenshot shows a web browser window titled "Sales and Inventory System" with the URL "127.0.0.1:5000/product/phone". On the left is a purple sidebar with the "INVENTORY MANAGEMENT SYSTEM" header and a menu containing: Home, Product, Inventory, Transaction, and Supplier. The main content area displays the "Edit Product" form. The form has a purple "Back" button at the top. Below it are input fields for: Product Code (value: 12), Product Name (value: phone), Description (value: electronic), Price (value: 100), Category (a dropdown menu showing "Select Category"), and a checkbox for "In Stock" (checked). At the bottom of the form are two buttons: a yellow "Update" button and a red button with a white minus icon.

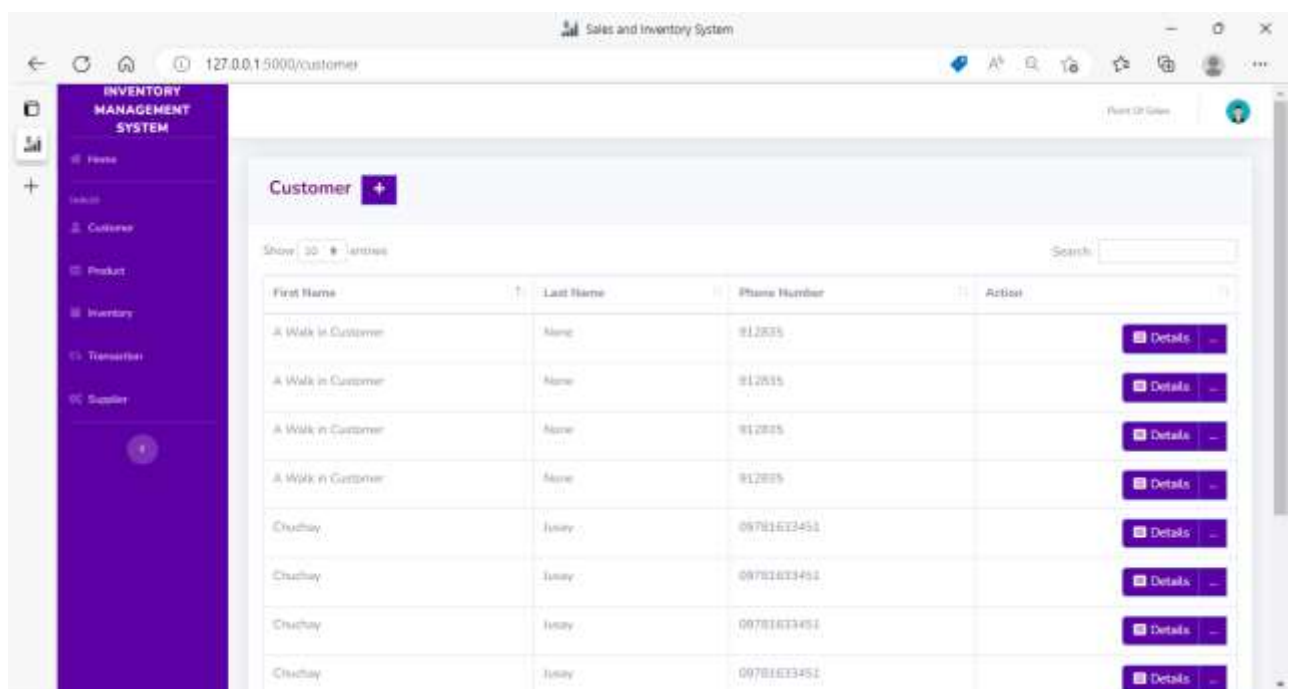
Add product:

The screenshot shows the same web browser window, but with the "Add Product" modal form open. The modal has a title bar with "Add Product" and a close button. It contains the following fields: Product Code, Name, Description, Quantity, Unit, Price, a "Select Category" dropdown, a "Select Supplier" dropdown, and a "Date Stock In" field. At the bottom of the modal are three buttons: a green "Save" button, a red "Reset" button, and a grey "Cancel" button. In the background, the "Product" section of the sidebar is highlighted, and a table with columns "Category" and "Action" is partially visible, showing rows for "CPU" and "Memory".

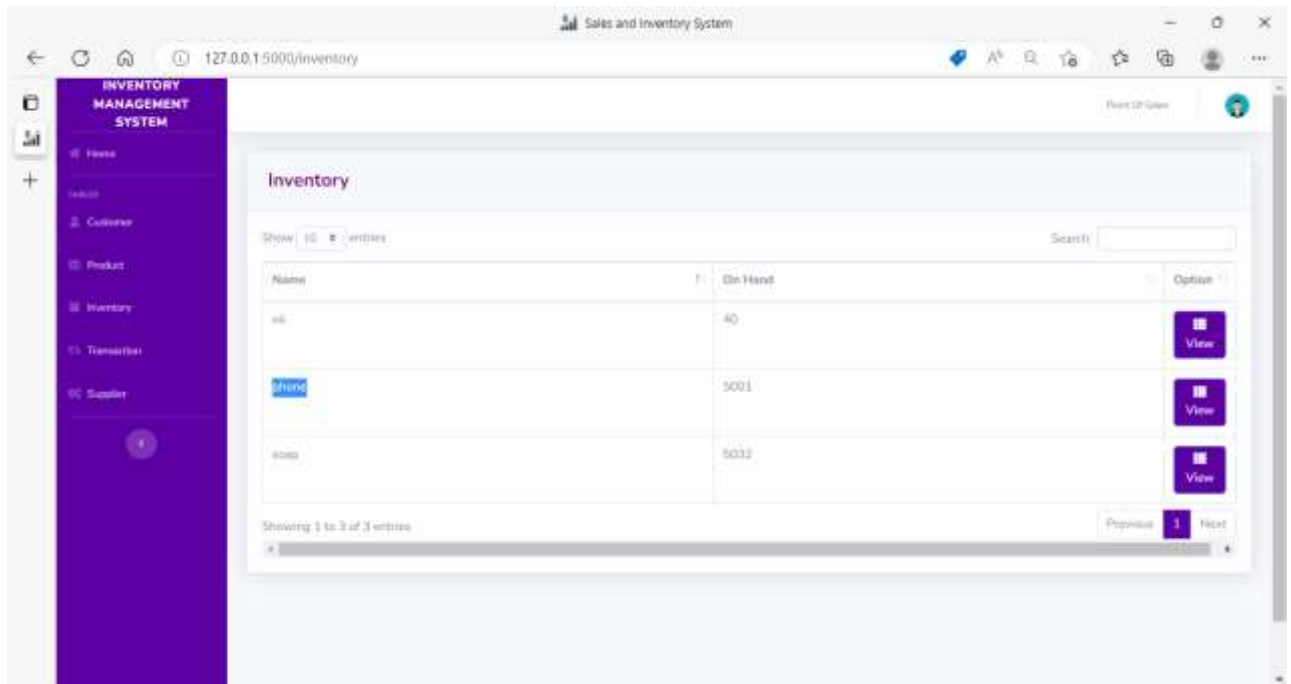
## Product details:



## Customer list:



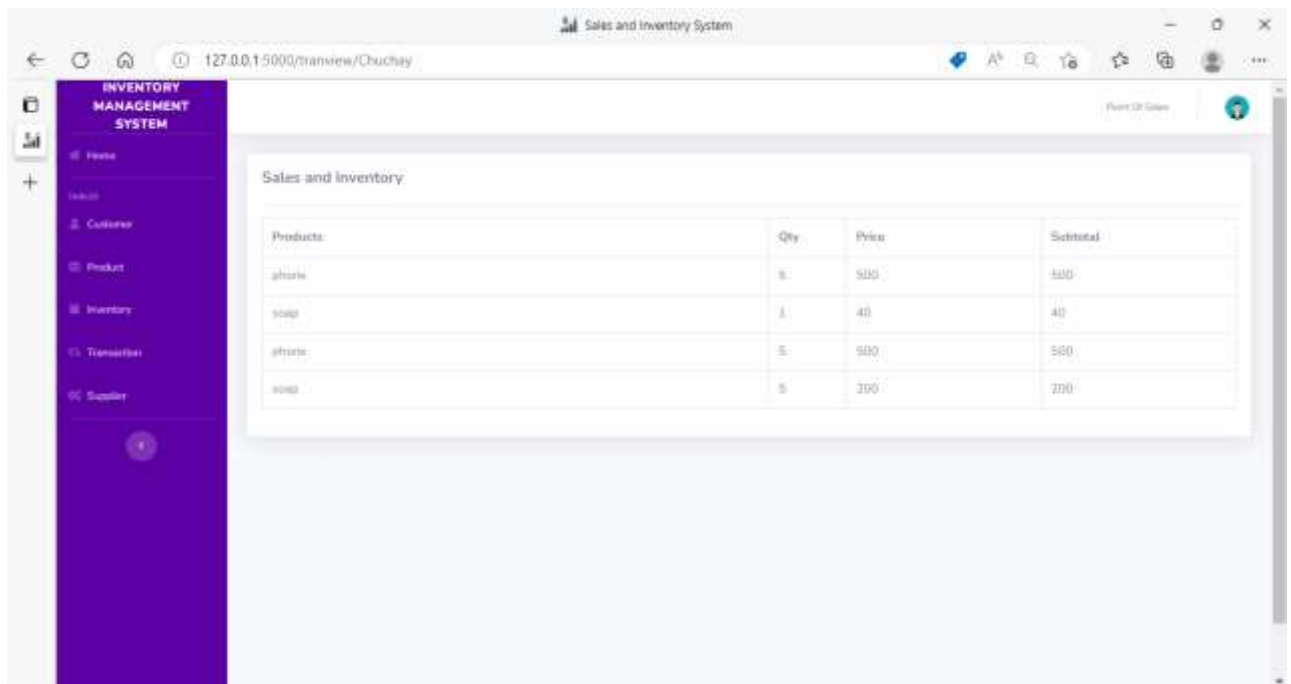
Inventory list Or in stock list:



The screenshot shows a web application titled "Sales and Inventory System". The left sidebar contains a menu with options: Home, Product, Inventory, Transaction, and Supplier. The main content area is titled "Inventory" and displays a table with columns: Name, On Hand, and a View button. The table contains three rows: "phone" with a value of 40, "soap" with a value of 5001, and "phone" with a value of 5002. Below the table, it says "Showing 1 to 3 of 3 entries".

Name	On Hand	View
phone	40	View
soap	5001	View
phone	5002	View

Sales page:



The screenshot shows a web application titled "Sales and Inventory System". The left sidebar contains a menu with options: Home, Product, Inventory, Transaction, and Supplier. The main content area is titled "Sales and Inventory" and displays a table with columns: Products, Qty, Price, and Subtotal. The table contains four rows: "phone" with Qty 5 and Price 500, "soap" with Qty 1 and Price 40, "phone" with Qty 5 and Price 500, and "soap" with Qty 5 and Price 200. Below the table, it says "Showing 1 to 4 of 4 entries".

Products	Qty	Price	Subtotal
phone	5	500	500
soap	1	40	40
phone	5	500	500
soap	5	200	200

Point of Sales page:

The screenshot shows a web application titled "Sales and Inventory System". The left sidebar is purple and contains the following menu items: Home, Product, Customer, Product, Inventory, Transaction, and Supplier. The main content area is white and has a "Point of Sale" section. At the top of this section is a "Product category" form with fields for "Product name", "Quantity", and "Select customer", along with "Save", "Reset", and "Cancel" buttons. Below this is a table for the "Point of Sale" transaction. The table has columns for "Product Name", "Quantity", "Price", "Total", "Subtotal", and "Total". The "Subtotal" and "Total" columns have input fields for currency (P) and amount (0). A green "Save" button is at the bottom right of the table.

Product Name	Quantity	Price	Total	Subtotal	Total
				P 0	P 0

Create IBM DB2 and Connect with Python:

The screenshot shows the IBM Db2 on Cloud console. The top navigation bar includes "Load Data", "Load History", "Tables", "Views", "Indexes", "Aliases", "MQTs", "Sequences", and "Application objects". The "Tables" tab is selected. The main content area is divided into two panels: "Schemas" and "Tables". The "Schemas" panel shows a table with columns "Name", "Type", and "Tables". The "Tables" panel shows a table with columns "Name", "Schema", and "Properties".

Name	Type	Tables
HGT43191	User	17

Name	Schema	Properties
ADDSALE	HGT43191	---
CATEGORY	HGT43191	---
CUSTOMER	HGT43191	---
EMPLOYEE	HGT43191	---

## IBM DB2 Connection Code,

```
C:\Users\gan\Desktop\main project\app.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1
2 from turtle import st
3 from flask import Flask, render_template, request, redirect, url_for, session
4 import ibm_db
5 import re
6 from markupsafe import escape
7 conn = ibm_db.connect("DATABASE=gludb;HOSTNAME=6c77d6f2-3da9-48a9-81fe-86b520b67518.bs21c95108kplod61cy.databasess.appdomain,c
8
9 app = Flask(__name__)
10 app.secret_key = 'shreesathyan'
11
12 def sub(h,na):
13     print(h)
14     pd = []
15
16     sql = f"SELECT QTY_STOCK FROM product WHERE name='{escape(na)}'"
17     stmt = ibm_db.exec_immediate(conn, sql)
18     dict = ibm_db.fetch_both(stmt)
19
20     while dict != False:
21         pd.append(dict)
22         dict = ibm_db.fetch_both(stmt)
23
24     for row in pd:
25         v=int(row['QTY_STOCK'])
26
27     v=v-h
28     sql = f"UPDATE product SET QTY_STOCK =(v) WHERE name = '{escape(na)}';"
29     ibm_db.exec_immediate(conn, sql)
30
31 def fetchas(name):
```