

Date	18 November 2022
Team ID	PNT2022TMID53036
Project Name	Project - Inventory Management System For Retailers

Project Report

1. INTRODUCTION

1.1 Project Overview:

The main problem every inventory stock manager face is to keep a track of how much stock is purchased and how much stock is spent out. The stock admin does not have an easy way to manage and see stocks that is purchased and is dispatched out in the organization. At present this is done, where manager has to manually keep the reports in hand and calculate the costs eventually. The organization admin also does not have any easy way to look at the details and the amount of stock that is being purchased and dispatched. The cost that is spent on the food items is also not known exactly to the college admins. Going to do our project using flask,python,docker,ibm cloud.

1.2 Purpose:

Inventory Management systems are limited and fixed to a selected range of items and cannot be modified and extended based on the customer's needs. The Inventory Management System focuses on making it expandable and usable easily by the end user and with constant customer support to alter the user interface as needed, separate login credentials are provided for the manager and the organization to insert and manage the stock and view the same respectively. Unlike, other software's that provide similar kind of functionalities, Inventory Management System focuses on making it easier by adding additional functionalities like vendor details and allowing to take attendance and keep a count of number of members belonging to that organization.

2. LITERATURE SURVEY

2.1 Existing problem:

> Title: Inventory Management of Perishable Goods with Overconfident Retailers

Authors: Mingyang Zhang ,Xufeng Yang ,Taichiu Edwin Cheng, Chen Chang

Year: 2022

> Title: Supply Chain Contract Preferences Under Two Uncertain Selling Seasons Considering Intertemporal Inventory Capability.

Author: Jianhu Cai, Yujie Zhang, Qing Zhou, Tingfing Xue, Zhijun Zeng

2.2 References:

- > <https://www.mdpi.com/2227-7390/10/10/1716/pdf-vor>
- > <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9343878>

2.3 Problem Statement Definition :

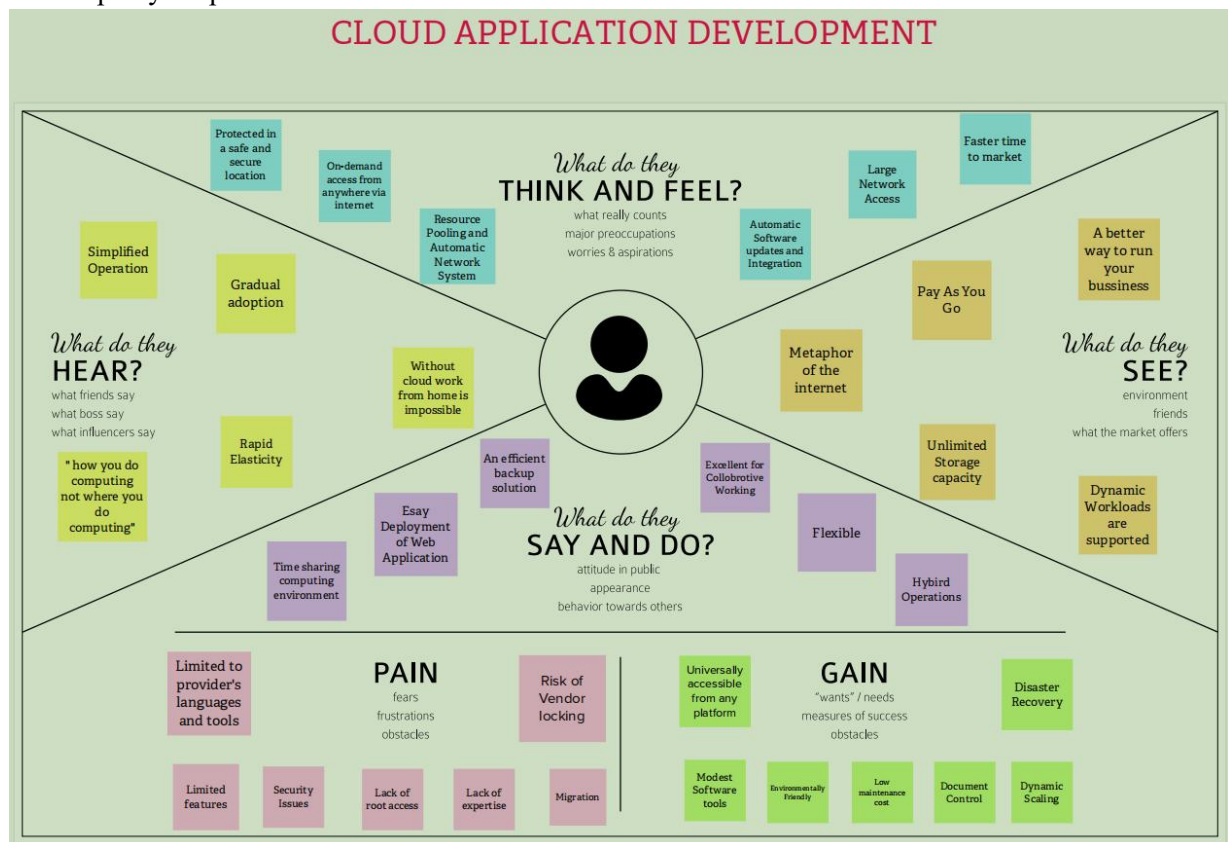
> In recent years, many retailers sell their products through not only offline but also online platforms. The sales of perishable goods on e-commerce platforms recorded phenomenal growth in 2020. However, some retailers are overconfident and order more products than the optimal ordering quantity, resulting in great losses due to product decay. In this paper, we apply the newsvendor model to analyze the impacts of overconfident behavior on the retailer's optimal pricing and order quantity decisions and profit. Our model provides the overconfident retailer with a feasible and effective method to adjust optimal ordering and pricing decisions. Through numerical studies, we examine the retailer's optimal decisions under the scenarios of complete rationality, over-estimation, and over-precision. We find that the over-estimation retailer always orders more products than the optimal order quantity, and the over-precision retailer always orders fewer products than the optimal order quantity. Under some

condifions, overconfidence hurts the retailer’s revenue to a large extent. Therefore, it is beneficial for the overconfident retailer to adjust its order quanfity according to our research findings.

> We propose an intertemporal inventory decision model under demand uncertainty and retail compefition. Facing the fact that different firms may have different intertemporal inventory capabilities, the paper introduces two retailers and assumes only one retailer has the ability to carry intertemporal inventories. Two different contracts, i.e., the dynamic wholesale-price contract and the commitment wholesale-price contract are proposed. The opfimal decisions are derived under each contract, and all members' preferences regarding the two contracts are invesfigated. The results show that there exist some situafions in which the supply chain members prefer the same contract, and they can reach an agreement on the contract selecfion. We also find that the intertemporal inventory discriminafely affects the supply chain members' expected profits under two different contracts. The retailer's intertemporal inventory capability may be beneficial for all members under the dynamic wholesale-price contract, but it always damages the supplier's expected profit under the commitment wholesale-price contract

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas :



3.2 Ideation & Brainstorming :

Brainstorm & idea prioritization

Inventory Management System for Retailers

10 minutes to prepare
 1 hour to collaborate
 2-8 people recommended

Share a template for details

Before you collaborate

A little bit of preparation goes a long way with this workshop. Here's what you need to do to get going.

10 minutes

- 1. **Team gathering**
Get everyone together in the room and send an invite. Share information or present a brief.
- 2. **Get aligned**
Think about the problem you're focusing on, highlight brainstorming context.
- 3. **Learn how to use the template**
Use the Introduction, Team agreement, or a key goal and problem statement.

Open the template

Define your problem statement

What problem are you trying to solve? Frame your problem as a how might we statement. This will be the focus of your brainstorm.

5 minutes

Problem

How might we (your problem statement)

Key rules of brainstorming

To maximize the productivity of your brainstorm

- 1. Stay on topic
- 2. Encourage wild ideas
- 3. Quantity over quality
- 4. Listen to others
- 5. Go for volume
- 6. Respectfully build on others

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Tip: You can select a sticky note and a few people to move it around the room during brainstorming.

Brainstorm

How might we (your problem statement)

Grow up ideas

Take time sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a central idea label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller subgroups.

10 minutes

Tip: Ask yourself: Is this a sticky note that I can use to help me think about the problem? If yes, then it's a sticky note. If no, then it's not a sticky note.

Prioritize

Your team should all focus on the same page about which is important. Having a shared focus will help you to determine which ideas are important and which are feasible.

10 minutes

Importance

How much of the problem does this idea solve? How much of the problem does it solve? How much of the problem does it solve?

Feasibility

How much of the problem does this idea solve? How much of the problem does it solve? How much of the problem does it solve?

After you collaborate

You can export the ideas as a template or put together a presentation of your company, which might find it helpful.

Quick add-ons

- 1. **Share the most**
Share the most important ideas with the team to help them brainstorm about the problem and the solution.
- 2. **Export the most**
Export the most important ideas as a PDF or PPT file. Attach to email, LinkedIn, or save to your files.

Keep moving forward

- 1. **Workshop Summary**
Did we have a successful session or not? Open the template.
- 2. **Customer experience journey**
Understand customer needs, motivations, and ideas for the organization. Open the template.
- 3. **Brainstorm, create ideas, open a solution**
Ask if you're ready to create ideas, open a solution, and create a solution. Open the template.

Share a template for details

3.3 Proposed Solution :

S.No.	Parameter	Description
❖	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> The retailers generally facing issues in recording the stocks and its threshold limit available. The customers are not satisfied with the retailers store since it doesn't have enough supplements and the deliveries were not made on time.
❖	Idea / Solution description	<ul style="list-style-type: none"> This proposed system will have a daily update system whenever a product is sold or it is renewed more. The product availability is tracked daily and an alert system in again kept on to indicate those products which falls below the threshold limit. All the customers can register their accounts after which they will be given a login credentials which they can use whenever they feel like buying the stocks. The application allows the customers to know all the present time available stocks and also when the new stock will be available on the store for them to buy.

❖	Novelty / Uniqueness	<ul style="list-style-type: none"> • Certain machine learning algorithms are used to predict the seasonal high selling products which can be made available during that time. • Prediction of the best selling brand of all certain products based on their popularity, price and customer trust and satisfaction will be implemented. • Notifications will be sent to the retailers if any product that the customers have been looking for is not available so that the product can be stocked up soon.
❖	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • The customers will be highly satisfied since the wasting of time while searching for an unavailable product is reduced. • The work load of the retailers will be minimized if the system is automated every day and during every purchase. • The customer satisfaction will be improved for getting appropriate response from the retailers and that too immediately.
❖	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Hereby we can provide a robust and most reliable inventory management system by using: <ol style="list-style-type: none"> 1. ML algorithms for all the prediction purposes using all the past dataset since datasets are undoubtedly available in huge amounts. 2. Can deploy the most appropriate business advertising models. 3. To establish a loss preventing strategy. 4. And to ensure the all time, any where availability of products system.

❖	Scalability of the Solution	<ul style="list-style-type: none"> Implementation of anyone and anywhere using system can be helpful for even a commoner to buy the products. Daily and Each time purchase updation of the stock for preventing inventory shrinkage.
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3.4 Problem Solution fit:

CUSTOMER	WORKER	OWNER	OVERALL
INACCURATE DATA	COMPLEXITY	EXPENSIVE	SECURITY AND PRIVACY
CUSTOMER REQUESTS FOR A PARTICULAR PRODUCT WHICH IS CURRENTLY UNAVAILABLE DUE TO INACCURATE DATA	AS THE APPLICATION'S UI IS COMPLEX THE SHOPKEEPER MIGHT NOT BE ABLE TO USE THE SOFTWARE EASILY	COST CAN BE A MAJOR DISADVANTAGE OF INVENTORY MANAGEMENT SOFTWARE.	USING THE CLOUD MEANS THAT DATA IS MANAGED BY A THIRD PARTY PROVIDER AND THERE CAN BE A RISK OF DATA BEING ACCESSED BY UNAUTHORIZED USERS.
THE DATA SHOULD BE PRECISELY MAINTAINED WHEN A PARTICULAR PRODUCT IS SOLD AND AFTER RESTOCKING	THE SHOPKEEPER'S MANAGEMENT TEAM MUST DEDICATE A CERTAIN AMOUNT OF TIME TO LEARN A NEW SYSTEM, INCLUDING BOTH SOFTWARE AND HARDWARE	BECAUSE THE SOFTWARE RESIDES IN THE CLOUD, BUSINESS OWNERS DO NOT HAVE TO PURCHASE AND MAINTAIN EXPENSIVE HARDWARE.	THE DATA CAN BE SECURED BY PROVIDING MORE SECURITY BY USING A PASSWORD TO ACCESS THE DATA
CUSTOMER'S SATISFACTION	WORKER'S SATISFACTION	OWNER'S SATISFACTION	OVERALL SATISFACTION
CENTRALIZED DATA MUST BE MAINTAINED AT THE CLOUD SERVER WHICH ACTS AS A DATABASE, SO WE CAN MAINTAIN DATA ACCURACY THEREFORE WE CAN ENSURE CUSTOMER SATISFACTION	THE UI OF THE APPLICATION SHOULD BE MADE SIMPLE THEREFORE WE CAN ENSURE SHOPKEEPER'S SATISFACTION	THE CUT DOWN HARDWARE EXPENSES CAN IMPROVE THE OWNER'S SATISFACTION	THE ENHANCED DATA SECURITY CAN IMPROVE THE OVERALL SATISFACTION

4. REQUIREMENT ANALYSIS

4.1 Functional requirement :

FR. No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
FR-1	User Registration	Registration through registration form. Registration through One-Tap Google Sign-in.
FR-2	User Authentication and Confirmation	Authentication via Google Authentication. Confirmation via Email. Confirmation via OTP.
FR-3	Product management	Quickly produce reports for single or multiple products. Track information of dead and fast-moving products. Track information of suppliers and manufacturers of the product.
FR-4	Audit Monitoring	The technique of tracking crucial data is known as audit tracking. Monitor the financial expenses carried out throughout the whole time (from receiving order of the product to delivery of the product).
FR-5	Historical Data	Data of everything should be stored for analytics and forecasting.

FR – 6	CRM (Customer Relationship Management)	<p>Track the customer experience via ratings given by them.</p> <p>Get customer reviews regularly or atleast at the time of product delivery to work on customer satisfaction.</p> <p>User-friendly GUI to increase the customer base from only techies to normal people.</p>
FR - 7	Security Policy	<p>User data collected must be as secure as possible.</p> <p>User data must not be misused. They can only be used for user preferred advertising purposes.</p>

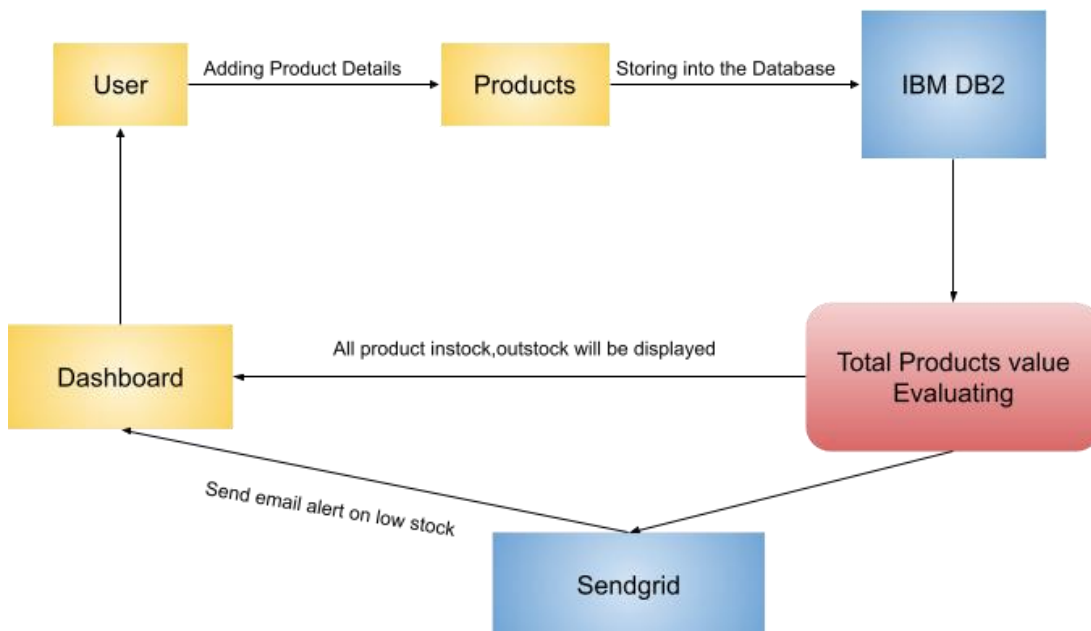
4.2 Non-Functional requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<p>The UI should be accessible to everybody despite of there diversity in languages.</p> <p>People with some impairments should also be able to use the application with ease. (Example, integrate google assistant so that blind people can use it).</p> <p>.</p>
NFR-2	Security	<p>The security requirements deal with the primary security. Only authorized users can access the system with their credentials.</p> <p>Administrator or the concerned security team should be alerted on any unauthorized access or data breaches so as to rectify it immediately.</p>

NFR-3	Reliability	The software should be able to connect to the database in the event of the server being down due to a hardware or software failure. The users must be intimated by the periodic maintenance break of the server so that they will be aware of it.
NFR-4	Performance	Performance of the app should be reliable with high-end servers on which the software is running.
NFR-5	Availability	The software should be available to the users 24/7 with all functionalities working. New module deployment should not impact the availability of existing modules and their functionalities.
NFR-6	Scalability	The whole software deployed must be easily scalable as the customer base increases.

5. PROJECT DESIGN

5.1 Data Flow Diagrams :



5.2 Solution & Technical Architecture :

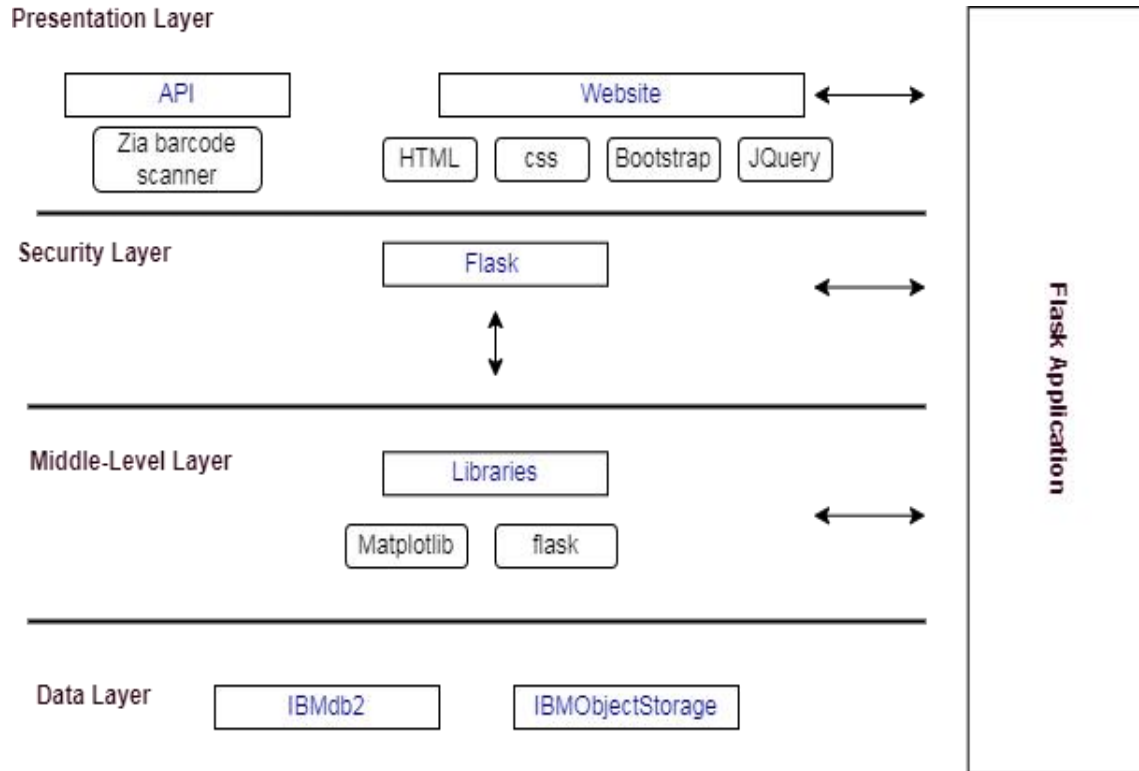


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	Web UI with Chatbot	HTML, CSS, Bootstrap, Jquery
2	Calculating Products Count	By entering barcode details into the application	Zia Barcode Scanner
3	Showing high demand product	By the products data in IBMdb2	Data Visualization using Python Bar plot by Matplotlib Library
4.	Alert and Notification	Alerting the retailers regarding the low stock count of the product	SendGrid
5	Chat	Chat with watson assistant	IBM Watson Assistant
6	Cloud Database	Database Service on Cloud	IBM DB2
7	File Storage	File storage requirements	IBM Object Storage
8	External API-1 Barcode	To Scan the product barcode	Zia Barcode Scanner

9	Infrastructure (Server /Cloud)	Cloud Server Configuration	Cloud Foundry, Kubernetes
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Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Styling our page,Python flaskmicroframework	Python Flask, Bootstrap
2.	Security Implementations	For securing our cloud data	SSL Certificates
3.	Scalable Architecture	Three – tier architecture (MVC)	Web server - HTML, CSS,Javascript Application server - Python Flask,Docker, Container Registry Database server - IBM DB2
4.	Availability	availability of application	IBM Load Balancer
5.	Performance	5 requests per seconds, Use of Local Machine CacheMemory	IBM Cloud, CDN

5.3 User Stories :

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Retailer(We buser)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I will be redirected to loginpage	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can verify the OTP number	Medium	Sprint-1

	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account / dashboard	High	Sprint-1
	Dashboard	USN-6	As a user,I can update stock in & out count details	Updation can be made through barcode scanning	High	Sprint -2
	Dashboard	USN-7	As a user,I can check the low stock details through alert message	Alert message can be received by registered mail	High	Sprint -1
		USN-8	As a user,I can check the total product details	I can view the value of total products in the stock	Medium	Sprint -2
		USN-9	As a user,I can check the high demandproduct details	I can update sales details of the products	High	Sprint -2
		USN-10	As a user,I can generate the invoice details	I can add incoming stockdetails	High	Sprint -1

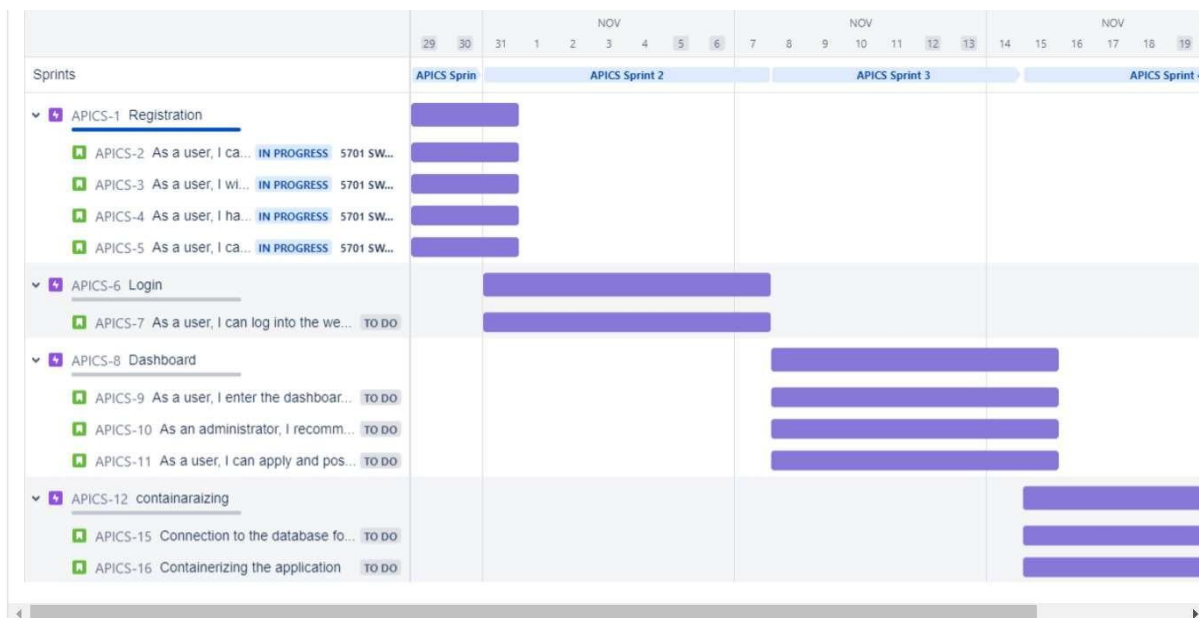
6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation & Delivery Schedule:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	12	High	Aravindan Anusha
Sprint-1		USN-2	As a user, I can register for the application through E-mail	4	Medium	Aravindan Anusha
Sprint-1	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the Application	2	Medium	Aravindan Anusha
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Aravindan Anusha

Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	10	High	Prasanth Kirunraj
Sprint-2	Add items to cart	USN-6	As a user, I can add the products I wish to buy to the carts.	10	Medium	Prasanth Kirunraj
Sprint-3	Stock Update	USN-7	As a user, I can add products which are not available in the dashboard to the stock list.	20	Medium	Prasanth Aravindan
Sprint-4	Request to Customer Care and email alert	USN-8	As a user, I can contact the Customer Care Executive and request any services I want from the customer care.	10	Low	Kiruraj Anusha
Sprint-4	Contact Administrator	USN-9	I can be able to report any difficulties I experience as a report	10	Medium	Kiruraj Anusha

6.2 Reports from JIRA:



7. CODING & SOLUTIONING (Explain the features added in the project along with code)

7.1 Feature 1

1. Self-service On-Demand

This is one of the most essential and significant characteristics of cloud computing. This means that cloud computing enables clients to regularly monitor the abilities, allotted network storage, and server uptime. Therefore, it is one of the most fundamental features of cloud computing that helps clients control various computing abilities as per their requirements.

2. Resources Pooling

This is also a fundamental characteristic of cloud computing. Pooling resources means that a cloud service provider can distribute resources for more than one client and provide them with different services according to their needs. Resource Pooling is a multi-client plan useful for data storing, bandwidth services and data processing services. The provider administers the data stored in real-time without conflicting with the need for data.

3. Easy Maintenance

This is one of the best cloud characteristics. Cloud servers are easy to maintain with low to almost zero downtime. Cloud Computing powered resources undergo several updates frequently to optimize their capabilities and potential. The updates are more viable with the devices and perform quicker than the previous versions.

4. Economical

This kind of service is economical as it efficiently reduces IT costs and data storage expenditure. Moreover, most cloud computing services are free. Even if there are paid plans, it's only to expand storage capacity, and these costs are often very nominal. This is a massive advantage of using cloud computing services.

5. Rapid Elasticity and Scalability

The best part of using cloud storage is that it can easily handle all the workload and data load concerning storage. Furthermore, as it is fully automated, businesses and organizations can save heavily on manual labor and technical staffing as cloud services are elastic, scalable and automated. This is one of the significant advantages of using cloud services.

API Features:

1. HTTPS/SSL certificates Programming cheat sheets
2. Try for free: Red Hat Learning Subscription
3. eBook: An introduction to programming with Bash
Bash Shell Scripting Cheat Sheet
4. eBook: Modernizing Enterprise Java

The gold standard for the web is HTTPS using SSL certificates, and Let's Encrypt can help you achieve this. It is a free, automated, and open certificate authority from the non-profit Internet Security Research Group (ISRG).

2. Cross-origin resource sharing

CORS is a browser-specific security policy preflight check. If your API server is not in the same domain as the requesting client's domain, you will need to deal with CORS. For example, if your server is running on api.domain-a.com and gets a client request from domain-b.com, Coarsens an HTTP precheck request to see if your API service will accept client-side requests from the client's domain.

3. Authentication and JSON Web Tokens

There are several approaches to validate an authenticated user in your API, but one of the best ways is to use JSON Web Tokens (JWT). These tokens are signed using various types of well-known cryptographic libraries. When a client logs in, an identity-management service provides the client with a JWT. The client can then use this token to make requests to the API. The API has access to a public key or a secret that it uses to verify the token. There are several libraries available to help verify tokens, including honeytoken. For more information about JWT and the libraries that support it in every language, check out JWT.io.

4. Authorizations and scopes

Authentication (or identity verification) is important, but so is authorization, i.e., does the verified client have the privilege to execute this request? This is where scopes are valuable. When the client authenticates with the identity management server and a JWT token is created, having the identity management service provide the scopes for the given authenticated client can enable the API service to determine if this verified client request can be performed without having to perform an additional costly lookup to an access control list.

Feature 2:

Docker Features:

1. Faster and Easier configuration:

It is one of the key features of Docker that helps you in configuring the system in a faster and easier manner. Due to this feature, codes can be deployed in less time and with fewer efforts. The infrastructure is not linked with the environment of the application as Docker is used with a wide variety of environments.

2. Application isolation:

Docker provides containers that are used to run applications in an isolated environment. Since each container is independent, Docker can execute any kind of application.

3. Increase in productivity:

It helps in increasing productivity by easing up the technical configuration and rapidly deploying applications. Moreover, it not only provides an isolated environment to execute applications, but it reduces the resources as well.

4. Swarm:

Swarm is a clustering and scheduling tool for Docker containers. At the front end, it uses the Docker API, which helps us to use various tools to control it. It is a self-organizing group of engines that enables pluggable backends.

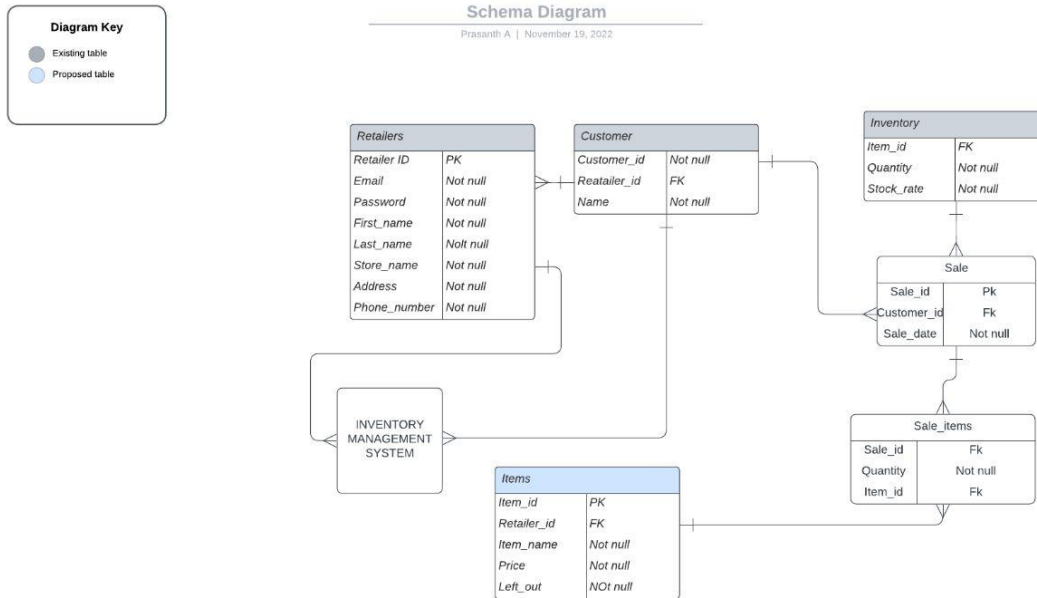
5. Services:

Services is a list of tasks that specifies the state of a container inside a cluster. Each task in the Services lists one instance of a container that should be running, while Swarm schedules them across the nodes.

Kubernetes Features:

1. Auto-scaling. Automatically scale containerized applications and their resources up or down based on usage
2. Lifecycle management. Automate deployments and updates with the ability to:
 - i. Rollback to previous versions
 - ii. Pause and continue a deployment
3. Declarative model. Declare the desired state, and K8s works in the background to maintain that state and recover from any failures.
4. Resilience and self-healing. Auto placement, auto restart, auto replication and auto scaling provide application self-healing
5. Persistent storage. Ability to mount and add storage dynamically
6. Load balancing. Kubernetes supports a variety of internal and external load balancing options to address diverse needs.

7.2 Database Schema:



8. TESTING

8.1 Test Cases:

1. Verify that user is already registered or not
2. Verify the UI elements in Login/Signup popup
3. Verify user can log into application with Valid credentials
4. Verify that categories of actions(adding items,customer,sale,etc) are shown in homepage
5. Verify that actions is displayed in homepage
6. Verify that when clicked on actions it is redirected to correct page
7. Verify that actions are correctly performed

8.2 User Acceptance Testing:

The purpose of this documents to briefly explain the test coverage and open issues of the Inventory management system for retailers Application project at the time of the release User Acceptance Testing (UAT). This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

1.Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

2.Test Case Analysis

This report shows the number of test cases that have passed,failed, and untested

9. RESULTS

9.1 Performance Metrics:

The application performance index, or Apex score, has become an industry standard for tracking the relative performance of an application. It works by specifying a goal for how long a specific web request or transaction should take. Those transactions are then bucketed into satisfied (fast), tolerating (sluggish), too slow, and failed requests. A simple math formula is then applied to provide a score from 0 to 1.

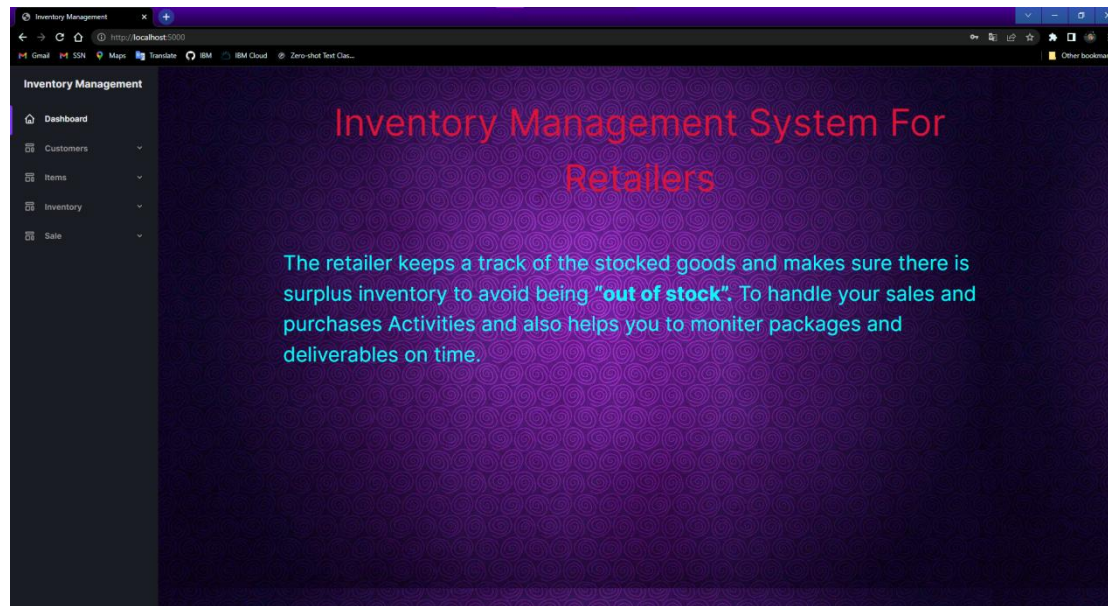
Signup Page:

The screenshot shows a web browser window with the URL `http://localhost:5000/signup`. The page has a futuristic, blue-themed background with data visualizations. The main heading is "Create your Account". Below it, there are input fields for "EMAIL" (containing "aravindan27@gmail.com"), "FIRST NAME" (containing "Aravindan"), "LAST NAME" (containing "S"), "PASSWORD" (containing "****"), "STORE NAME" (containing "XYZ"), "ADDRESS" (containing "Bangalore"), and "PHONE NUMBER" (containing "6379456842"). A pink "SIGN UP" button is at the bottom of the form. To the right, a dark blue sidebar contains the text "If you already has an account, just sign in." and a pink "LOGIN" button.

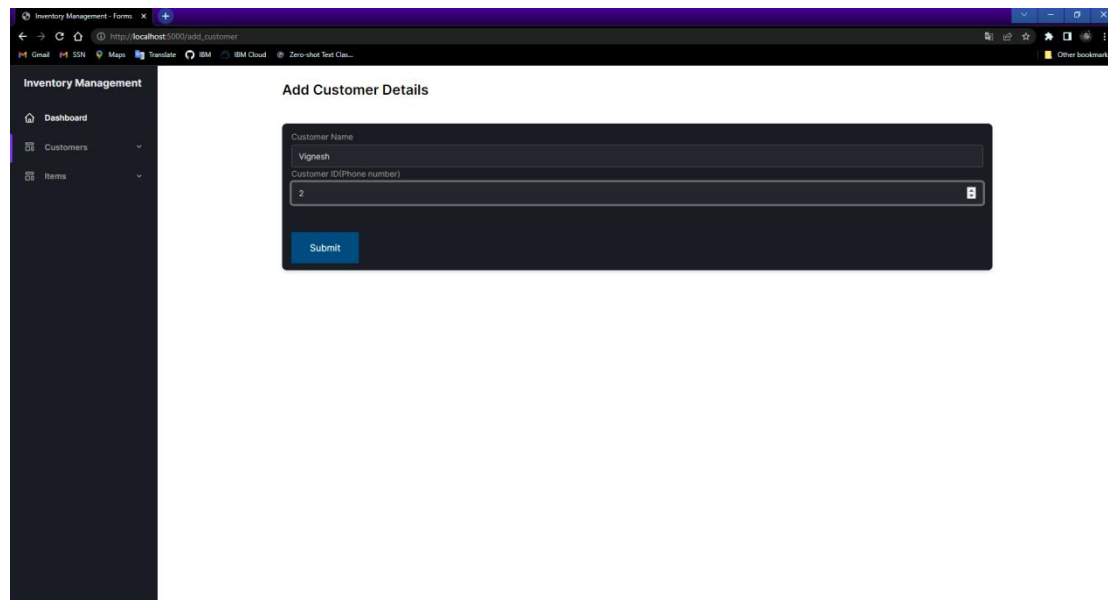
Login Page:

The screenshot shows a web browser window with the URL `http://localhost:5000`. The page has the same futuristic, blue-themed background. The main heading is "Inventory Management System". Below it, there are input fields for "EMAIL" (containing "aravindan27@gmail.com") and "PASSWORD" (containing "****"). A pink "SIGN IN" button is at the bottom of the form. To the right, a dark blue sidebar contains the text "Don't have an account? Please Sign up!" and a pink "SIGN UP" button.

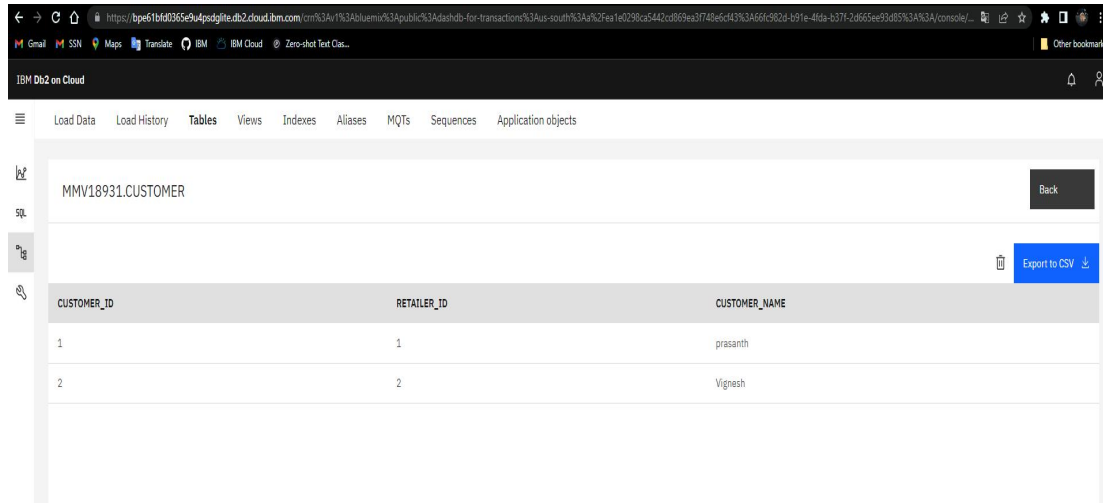
Dashboard:



Add Customer:



Storing In Database:



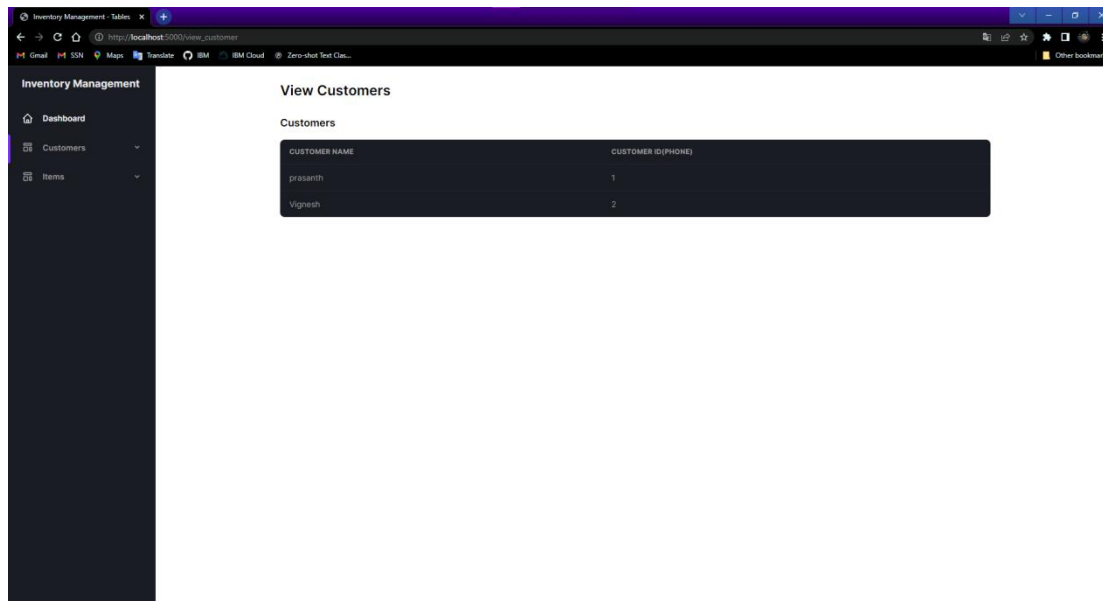
MMV18931.CUSTOMER

Back

Export to CSV

CUSTOMER_ID	RETAILER_ID	CUSTOMER_NAME
1	1	prasanth
2	2	Vignesh

View Customers:



Inventory Management - Tables

Inventory Management

- Dashboard
- Customers
- Items

View Customers

Customers

CUSTOMER NAME	CUSTOMER ID(PHONE)
prasanth	1
Vignesh	2

Add Items:

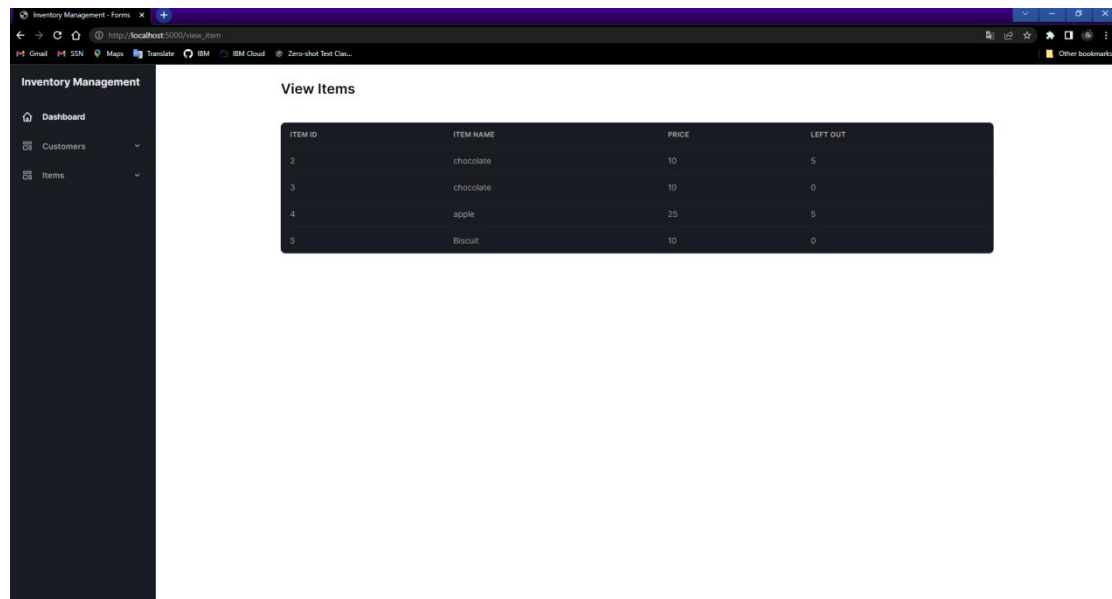
The screenshot shows a web browser window with the URL `http://localhost:5000/add_item`. The page is titled "Add Item Details". On the left, there is a sidebar menu for "Inventory Management" with options: "Dashboard", "Customers", and "Items". The "Items" option is selected. The main form contains two input fields: "Item Name" with the value "Biscuit" and "Price" with the value "10". A "Submit" button is located at the bottom of the form.

Store In Database:

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, and the table "MMV18931.ITEMS" is displayed. The table has five columns: "ITEM_ID", "RETAILER_ID", "ITEM_NAME", "PRICE", and "LEFT_OUT". The table contains five rows of data.

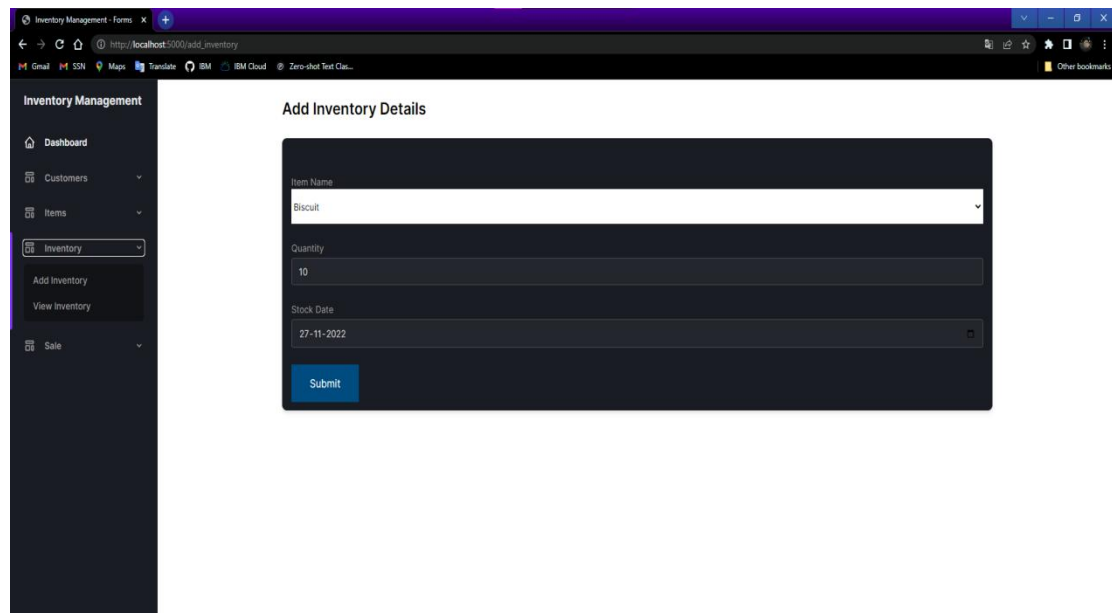
ITEM_ID	RETAILER_ID	ITEM_NAME	PRICE	LEFT_OUT
2	1	chocolate	10	5
3	1	chocolate	10	0
4	1	apple	25	5
5	2	Biscuit	10	0

View Items:



ITEM ID	ITEM NAME	PRICE	LEFT OUT
2	chocolate	10	5
3	chocolate	10	0
4	apple	25	5
5	Biscuit	10	0

Add Inventory:



Add Inventory Details

Item Name
Biscuit

Quantity
10

Stock Date
27-11-2022

Submit

Store Into Database:

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

MMV18931.INVENTORY

Back

Export to CSV

ITEM_ID	QUANTITY	STOCK_DATE
2	5	2022-11-16
4	10	2022-11-17
5	10	2022-11-27

View Inventory:

Inventory Management - Forms

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

View Inventory

Item Name

chocolate

Start Date

dd-mm-yyyy

End Date

dd-mm-yyyy

Inventory

ITEM NAME	QUANTITY	DATE
Biscuit	10	2022-11-27

Add Sale:

The screenshot shows a web browser window with the URL `http://localhost:5000/add_sale`. The page title is "Add Sale". On the left is a sidebar menu for "Inventory Management" with options: Dashboard, Customers, Items, Inventory, and Sale (selected). Below the menu are buttons for "Add Sale" and "View Sale". The main form contains:

- A "Customer" dropdown menu with "Vignesh" selected.
- An "Item Name" dropdown menu.
- A "Quantity" input field.
- An "Add More" button.
- A table with the following data:

ITEM NAME	PRICE	QUANTITY	TOTAL
Biscuit	10	4	40
- An "Amount to be PAID:" label above a yellow box containing the value "40".
- A blue "Submit" button.

Store into Database:

The screenshot shows the IBM Db2 console interface. At the top, there is an error message: "Error: Please check network connectivity then try again." Below this, the table "MMV18931.SALE" is displayed. The table has three columns: SALE_ID, SALE_DATE, and CUSTOMER_ID. The data is as follows:

SALE_ID	SALE_DATE	CUSTOMER_ID
1	2022-11-17	1
2	2022-11-17	1
3	2022-11-17	2

Buttons for "Back" and "Export to CSV" are visible on the right side of the table.

The screenshot shows the IBM Db2 console interface. At the top, there is an error message: "Error: Please check network connectivity then try again." Below this, the table "MMV18931.SALE_ITEMS" is displayed. The table has three columns: SALE_ID, QUANTITY, and ITEM_ID. The data is as follows:

SALE_ID	QUANTITY	ITEM_ID
1	2	4
1	3	4
3	4	5

Buttons for "Back" and "Export to CSV" are visible on the right side of the table.

View sale:

Inventory Management - Forms x

http://localhost:5000/view_sale

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

View Sale

Fill the form

Start Date
14-11-2022

End Date
20-11-2022

Filter

Items

ITEM ID	ITEM NAME	SOLD QUANTITY	AMOUNT
---------	-----------	---------------	--------

Inventory Management - Forms x

http://localhost:5000/view_sale

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

View Sale

Fill the form

Start Date
dd-mm-yyyy

End Date
dd-mm-yyyy

Items

ITEM ID	ITEM NAME	SOLD QUANTITY	AMOUNT
4	apple	5	125
5	Biscuit	4	40

10. ADVANTAGES & DISADVANTAGES

Advantages:

1. **It helps to maintain the right amount of stocks:** contrary to the belief that is held by some people, inventory management does not seek to reduce the amount of inventory that you have in stock, however, it seeks to maintain an equilibrium point where your inventory is working at a maximum efficiency and you do not have to have many stocks or too few stocks at hand at any particular point in time. The goal is to find that zone where you are never losing money in your inventory in either direction. With the aid of an efficient inventory management strategy, it is easy to improve the accuracy of inventory order.
2. **It leads to a more organized warehouse:** with the aid of a good inventory management system, you can easily organize your warehouse. If your warehouse is not organized, you will find it very difficult to manage your inventory. A lot of businesses choose to optimize their warehouse by putting the items that have the highest sales together in a place that is easy to access in the warehouse. This ultimately helps to speed up order fulfilment and keeps clients happy.

3. **It saves time and money:** an effective inventory management system can translate to time and money saved on the part of the business. By keeping track of the product that you already have at hand, you can save yourself the hassles of having to do an inventory recount in order to ensure your records are accurate. It also allows you to save cash that would have otherwise been spent on slow moving products.
4. **Improves efficiency and productivity:** inventory management devices like bar code scanners and inventory management software can help to greatly increase the efficiency and productivity of a business. They do this by eliminating the manual way of doing things thus allowing employees to do other more important things for the business.
5. **Schedule maintenance:** once you get hold of a new appliance, you can begin to schedule routine and preventative maintenance, issue work order to your staff and track that the maintenance was actually carried out. This will help to elongate the life span of that particular asset.

Disadvantages:

1. **Bureaucracy:** even though inventory management allows employees at every level of the company to read and manipulate company stock and product inventory, the infrastructure required to build such a system adds a layer of bureaucracy to the whole process and the business in general. In instances where inventory control is in-house, this includes the number of new hires that are not present to regulate the warehouse and facilitate transactions. In instances where the inventory management is in the hands of a third party, the cost is a subscription price and a dependence on another separate company to manage its infrastructure. No matter the choice you go for, it translates to a higher overhead cost and more layers of management between the owner and the customer. From the view point of the customer, a problem that requires senior management to handle will take a longer period of time before it will be trashed out.
2. **Impersonal touch:** another disadvantage of inventory management is a lack of personal touch. Large supply chain management systems make products more accessible across the globe and most provide customer service support in case of difficulty, but the increase in infrastructure can often mean a decrease in the personal touch that helps a company to stand out above the rest. For instance, the sales manager of a small manufacturing company that sells plumbing supplies to local plumbers can throw in an extra box of washers or elbows at no charge to the customer without raising any alarms. This is done for the sake of customer relations and often makes the customer feel like he is special. While free materials can also be provided under inventory management, processing time and paper work make obtaining the material feel more like a chore for the customer or even an entitlement.
3. **Production problem:** even though inventory management can reveal to you the amount of stock you have at hand and the amount that you have sold off, it can also hide production problems that could lead to customer service disasters. Since the management places almost all of its focus on inventory management to the detriment of quality control, broken or incorrect items that would normally be discarded are shipped along with wholesome items.
4. **Increased space is need to hold the inventory:** in order to hold inventory, you will need to have space so unless the goods you deal in are really small in size, then you will need a warehouse to store it. In addition, you will also need to buy shelves and racks to store your goods, forklifts to move around the stock and of course staff. The optimum level of inventory for a business could still be a lot of goods and they will need space to be stored in and in some cases additional operational costs to manage the inventory. This will in turn increase cost and impact negatively on the amount of profit the business makes.
5. **Complexity:** some methods and strategies of inventory management can be relatively complex and difficult to understand on the part of the staff. This may result in the need for employees to undergo training in order to grasp how the system works.

11. CONCLUSION

We proposed an application for inventory management system task. This application facilitates the opportunities of inventory management process as well as it allows the use of a variety of actions like adding customers, items, sales, inventory and view customers, inventory, items and sale. Moreover, we also contribute making publicly available a new dataset containing inventory management. Future directions of our work will focus on performing a more exhaustive evaluation considering a greater amount of methods and data as well as a comprehensive evaluation of the impact of inventory management

12. FUTURE SCOPE

The future is and will remain unknown to us, but fact is there is an issue of maintaining inventory in the market world, the inventory management system will exist and will grow in proportionate with demand

13. APPENDIX

Source Code:

Styles:

Style.css:

```
*,
*::before,
*::after {
    box-sizing: border-box;
    margin: 0;
    padding: 0;
}

body {
    font-family: 'Open Sans', Helvetica, Arial, sans-serif;
    background-image: url("../images/bg1.png");
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
}

input,
button {
    border: none;
    outline: none;
    background: none;
    font-family: 'Open Sans', Helvetica, Arial, sans-serif;
```

```
}
```

```
.tip {
```

```
    font-size: 20px;
```

```
    margin: 40px auto 50px;
```

```
    text-align: center;
```

```
}
```

```
.cont {
```

```
    border-radius: 20px;
```

```
    overflow: hidden;
```

```
    position: relative;
```

```
    width: 900px;
```

```
    height: 800px;
```

```
    margin: 0 auto 100px;
```

```
    background: rgba(69, 191, 195, 0.7);
```

```
    box-shadow: -10px -10px 15px rgba(255, 255, 255, 0.3), 10px 10px 15px rgba(70, 70, 70, 0.15), inset -10px -  
10px 15px rgba(255, 255, 255, 0.3), inset 10px 10px 15px rgba(70, 70, 70, 0.15);
```

```
}
```

```
.form {
```

```
    position: relative;
```

```
    width: 640px;
```

```
    height: 100%;
```

```
    padding: 50px 30px 0;
```

```
}
```

```
.sub-cont {
```

```
    overflow: hidden;
```

```
    position: absolute;
```

```
    left: 640px;
```

```
    top: 0;
```

```
    width: 900px;
```

```
    height: 100%;
```

```
    padding-left: 260px;
```

```
}
```

```
button {  
    display: block;  
    margin: 0 auto;  
    width: 260px;  
    height: 36px;  
    border-radius: 30px;  
    color: #fff;  
    font-size: 15px;  
    cursor: pointer;  
}
```

```
.img {  
    overflow: hidden;  
    z-index: 2;  
    position: absolute;  
    left: 0;  
    top: 0;  
    width: 260px;  
    height: 100%;  
    padding-top: 360px;  
}
```

```
.img:before {  
    content: ";  
    position: absolute;  
    right: 0;  
    top: 0;  
    width: 900px;  
    height: 100%;  
    background-image: url("../images/bg2.png");  
    opacity: .8;  
    background-size: cover;  
}
```

```
.img::after {  
    content: "";  
    position: absolute;  
    left: 0;  
    top: 0;  
    width: 100%;  
    height: 100%;  
    background: rgba(0, 0, 0, 0.6);  
}
```

```
.img__text {  
    z-index: 2;  
    position: absolute;  
    left: 0;  
    top: 50px;  
    width: 100%;  
    padding: 0px 20px;  
    text-align: center;  
    color: #3cb371;  
}
```

```
.img__text h2 {  
    margin-bottom: 10px;  
    font-weight: normal;  
}
```

```
.img__text p {  
    font-size: 14px;  
    line-height: 1.5;  
}
```

```
.img__btn {  
    overflow: hidden;  
    z-index: 2;  
    position: relative;
```

```
width: 100px;
height: 36px;
margin: 0 auto;
background: transparent;
color: #fff;
text-transform: uppercase;
font-size: 15px;
cursor: pointer;
}
.img__btn:hover{
    color:green;
}
.img__btn:after {
    content: ";
    z-index: 2;
    /* position: absolute; */
    left: 0;
    top: 0;
    width: 100%;
    height: 100%;
    border: 2px solid #fff;
    border-radius: 30px;
}

.img__btn span {
    position: absolute;
    left: 0;
    top: 0;
    display: -webkit-box;
    display: flex;
    border-radius: 30px;
    -webkit-box-pack: center;
    justify-content: center;
    -webkit-box-align: center;
    align-items: center;
```

```
width: 100%;
height: 100%;
color: white;
background: #dc0b96ca;
/* margin-top: 40px;
margin-bottom: 20px;
text-transform: uppercase; */
}

.img__btn span: hover {
background: #186023da;
}

h2 {
color: black;
width: 100%;
font-size: 36px;
text-align: center;
}

label {
display: block;
width: 260px;
margin: 25px auto 0;
text-align: center;
}

label span {
font-size: 18px;
color: #c71585;
text-transform: uppercase;
}

input {
display: block;
color: #4b0082;
width: 100%;
```

```
margin-top: 5px;
padding-bottom: 5px;
font-size: 25px;
border-bottom: 1px solid rgba(0, 0, 0, 0.4);
text-align: center;
}
```

```
.forgot-pass {
margin-top: 15px;
text-align: center;
font-size: 12px;
color: #cfcfcf;
}
```

```
.submit {
margin-top: 40px;
margin-bottom: 20px;
background: #dc0b96ca;
text-transform: uppercase;
}
```

```
.submit:hover{
background: #186023da;
}
```

```
.fb-btn {
border: 2px solid #d3dae9;
color: #8fa1c7;
}
```

```
.fb-btn span {
font-weight: bold;
color: #455a81;
}
```

Templates:

Login.html

<html>


```
<head>

    <link rel="stylesheet" href={{url_for('static', filename='styles/style.css')}}>

</head>

<body>

<br>

<br>

    <div class="cont">

        <i>

            <div class="form sign-in">

                <h2>Inventory</br>Management System</br></br></h2>

                <p style="color:{{colour}};text-align:center;"{{status}}></p>

                </br></br>

                <form action="/" autocomplete="ON" method="POST">

                    <label>

                        <span>Email</span>

                        <input type="email" name="email" required/>

                    </label>

                </br></br>

                <label>

                    <span>Password</span>

                    <input type="password" name="password" required/>

                </label>

                </br></br>

                <button type="submit" class="submit">Sign In</button>

            </form>

        </div>

        <div class="sub-cont">

            <div class="img">

                <div class="img__text m--up">

                    <h3>Don't have an account? Please Sign up!</h3>

                </div>

                <div class="img__btn">
```



```
        <input type="text" name="last_name" required/>
    </label>
    <label>
        <span>Password</span>
        <input type="password" name="password" required/>
    </label>
    <label>
        <span>Store Name</span>
        <input type="text" name="store_name" required/>
    </label>
    <label>
        <span>Address</span>
        <input type="text" name="address" required/>
    </label>
    <label>
        <span>Phone Number</span>
        <input type="text" name="phone_number" required/>
    </label>
    <button type="submit" class="submit">Sign Up</button>
</form>

</div>
```

```
<div class="sub-cont">
    <div class="img">
        <div class="img__text m--up">

            <h3>If you already has an account, just sign in.</h3>

        </div>
        <div class="img__btn">
            <a href="/"><span>Login</span></a>
        </div>
    </div>
</div>
```

```
        </div>

        </i>

    </div>

</body>
</html>
```

Inex.html

```
<!DOCTYPE html>

<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
    <head>

        <meta charset="UTF-8" />

        <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <title>Inventory Management</title>

        <link

            href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"

            rel="stylesheet"

        />

        <link rel="stylesheet" href="{ {url_for('static', filename='styles/tailwind_output.css')} }" />

        <script

            src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"

            defer

        ></script>

        <script src="{ {url_for('static', filename='js/init-alpine.js')} }" ></script>

        <link

            rel="stylesheet"

            href="https://cdn.jsdelivr.net/npm/chart.js@2.9.3/dist/chart.min.css"

        />

        <script

            src="https://cdn.jsdelivr.net/npm/chart.js@2.9.3/dist/chart.min.js"

            defer

        ></script>

        <script src="{ {url_for('static', filename='js/charts-lines.js')} }" defer></script>

        <script src="{ {url_for('static', filename='js/charts-pie.js')} }" defer></script>

    </head>
```

```
<body>

<div
  class="flex h-screen bg-gray-50 dark:bg-gray-900"
  :class="{ 'overflow-hidden': isSideMenuOpen }"
>

  <!-- Desktop sidebar -->

  <aside
    class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"
  >

    <div class="py-4 text-gray-500 dark:text-gray-400">

      <a
        class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"
        href="#"
      >

        Inventory Management

      </a>

      <ul class="mt-6">

        <li class="relative px-6 py-3">

          <span
            class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
            aria-hidden="true"
          ></span>

          <a
            class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"
            href="/dashboard"
          >

            <svg
              class="w-5 h-5"
              aria-hidden="true"
              fill="none"
              stroke-linecap="round"
              stroke-linejoin="round"
              stroke-width="2"
            />

```

```

        viewBox="0 0 24 24"
        stroke="currentColor"
    >
        <path
            d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-1l12 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
        ></path>
    </svg>
    <span class="ml-4">Dashboard</span>
</a>
</li>
</ul>
<ul>
<li class="relative px-6 py-3">
    <button
        class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
        @click="togglePagesMenuCustomer"
        aria-haspopup="true"
    >
        <span class="inline-flex items-center">
            <svg
                class="w-5 h-5"
                aria-hidden="true"
                fill="none"
                stroke-linecap="round"
                stroke-linejoin="round"
                stroke-width="2"
                viewBox="0 0 24 24"
                stroke="currentColor"
            >
                <path

```

```
        d="M4 5a1 1 0 0 1 1h14a1 1 0 0 1 1v2a1 1 0 0 1 1H5a1 1 0 0 1 1V5zM4 13a1 1 0 0 1 1h6a1 1 0 0 1 1v6a1 1 0 0 1 1H5a1 1 0 0 1 1v6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0 0 1 1h2a1 1 0 0 1 1v6z"
```

```
    ></path>
```

```
</svg>
```

```
<span class="ml-4">Customers</span>
```

```
</span>
```

```
<svg
```

```
  class="w-4 h-4"
```

```
  aria-hidden="true"
```

```
  fill="currentColor"
```

```
  viewBox="0 0 20 20"
```

```
>
```

```
<path
```

```
  fill-rule="evenodd"
```

```
  d="M5.293 7.293a1 1 0 0 1 1.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1.414 0l-4-4a1 1 0 0 1 0 1.414z"
```

```
  clip-rule="evenodd"
```

```
></path>
```

```
</svg>
```

```
</button>
```

```
<template x-if="isPagesMenuOpenCustomer">
```

```
<ul
```

```
  x-transition:enter="transition-all ease-in-out duration-300"
```

```
  x-transition:enter-start="opacity-25 max-h-0"
```

```
  x-transition:enter-end="opacity-100 max-h-xl"
```

```
  x-transition:leave="transition-all ease-in-out duration-300"
```

```
  x-transition:leave-start="opacity-100 max-h-xl"
```

```
  x-transition:leave-end="opacity-0 max-h-0"
```

```
  class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
  aria-label="submenu"
```

```
>
```

```
<li
```

```

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >

    <a class="w-full" href="/add_customer">Add customer</a>

</li>

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>

    <a class="w-full" href="/view_customer">View customer</a>

</li>

</ul>

</template>

</li>

<li class="relative px-6 py-3">

    <button

class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"

@click="togglePagesMenuItem"

aria-haspopup="true"

>

    <span class="inline-flex items-center">

        <svg

class="w-5 h-5"

aria-hidden="true"

fill="none"

stroke-linecap="round"

stroke-linejoin="round"

stroke-width="2"

viewBox="0 0 24 24"

stroke="currentColor"

>

        <path

```



```
d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1-1V5zM4 13a1 1 0 011-1h6a1 1 0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1-1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1-1v-6z"
```

```
></path>
```

```
</svg>
```

```
<span class="ml-4">Items</span>
```

```
</span>
```

```
<svg
```

```
class="w-4 h-4"
```

```
aria-hidden="true"
```

```
fill="currentColor"
```

```
viewBox="0 0 20 20"
```

```
>
```

```
<path
```

```
fill-rule="evenodd"
```

```
d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"
```

```
clip-rule="evenodd"
```

```
></path>
```

```
</svg>
```

```
</button>
```

```
<template x-if="isPagesMenuOpenItem">
```

```
<ul
```

```
x-transition:enter="transition-all ease-in-out duration-300"
```

```
x-transition:enter-start="opacity-25 max-h-0"
```

```
x-transition:enter-end="opacity-100 max-h-xl"
```

```
x-transition:leave="transition-all ease-in-out duration-300"
```

```
x-transition:leave-start="opacity-100 max-h-xl"
```

```
x-transition:leave-end="opacity-0 max-h-0"
```

```
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
aria-label="submenu"
```

```
>
```

```
<li
```

```

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/add_item">Add Item</a>
    </li>
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/view_item">View Item</a>
    </li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
    <button
        class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
        @click="togglePagesMenuInventory"
        aria-haspopup="true"
    >
        <span class="inline-flex items-center">
            <svg
                class="w-5 h-5"
                aria-hidden="true"
                fill="none"
                stroke-linecap="round"
                stroke-linejoin="round"
                stroke-width="2"
                viewBox="0 0 24 24"
                stroke="currentColor"
            >
                <path
                    d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5ZM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6ZM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6Z"

```

```

        ></path>
    </svg>
    <span class="ml-4">Inventory</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
>
    <path
        fill-rule="evenodd"
        d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4 4a1 1 0 010-1.414z"
        clip-rule="evenodd"
    ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenInventory">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
        aria-label="submenu"
    >
        <li
            class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
        >
            <a class="w-full" href="/add_inventory">Add Inventory</a>

```

```

    </li>

    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark: hover:text-gray-200"
    >
      <a class="w-full" href="/view_inventory">View Inventory</a>
    </li>
  </ul>

</template>

</li>

<li class="relative px-6 py-3">

  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark: hover:text-gray-200"
    @click="togglePagesMenuSale"
    aria-haspopup="true"
  >

    <span class="inline-flex items-center">

      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >

        <path
          d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 011-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1v-
6z"
        ></path>
      </svg>

      <span class="ml-4">Sale</span>
    </span>
  </button>
</li>

```

```

</span>

<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4-4a1 1 0 010-1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

```

```

    >

    <a class="w-full" href="/view_sale">View Sale</a>

  </li>

</ul>

</template>

</li>

</ul>

</div>

</aside>

<!-- Mobile sidebar -->

<!-- Backdrop -->

<div

  x-show="isSideMenuOpen"

  x-transition:enter="transition ease-in-out duration-150"

  x-transition:enter-start="opacity-0"

  x-transition:enter-end="opacity-100"

  x-transition:leave="transition ease-in-out duration-150"

  x-transition:leave-start="opacity-100"

  x-transition:leave-end="opacity-0"

  class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"

></div>

<div class="flex flex-col flex-1 w-full">

  <main class="h-full overflow-y-auto" style="background-image:url('../static/images/bg3.png');">

    <div class="container px-6 mx-auto grid">

      <!-- <h2

        class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"

        style="color: black; font-size: 23m;" >

        Dashboard

      </h2> -->

      <br>

      <br>

      <h1 align="center" style="color:#dc143c; font-size: 4em; ">Inventory Management System For

Retailers</h1>

```


<p style="font-size: 35px; color: aqua;">

The retailer keeps a track of the stocked goods and makes sure there is surplus inventory to avoid being "out of stock".

To handle your sales and purchases Activities and also helps you to monitor packages and deliverables on time.

</p>

</div>

</main>

</div>

</div>

</body>

</html>

add_customer.html

<!DOCTYPE html>

<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Inventory Management - Forms</title>

<link

href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"

rel="stylesheet"

/>

<link rel="stylesheet" href="{ {url_for('static', filename='styles/tailwind_output.css')} }" />

<script

src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"

defer

></script>

<script src="{ {url_for('static', filename='js/init-alpine.js')} }" ></script>

```
</head>

<body>

  <div

    class="flex h-screen bg-gray-50 dark:bg-gray-900"

    :class="{ 'overflow-hidden': isSideMenuOpen}"

  >

    <!-- Desktop sidebar -->

    <aside

      class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"

    >

      <div class="py-4 text-gray-500 dark:text-gray-400">

        <a

          class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"

          href="#"

        >

          Inventory Management

        </a>

        <ul class="mt-6">

          <li class="relative px-6 py-3">

            <a

              class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"

              href="/dashboard"

            >

              <svg

                class="w-5 h-5"

                aria-hidden="true"

                fill="none"

                stroke-linecap="round"

                stroke-linejoin="round"

                stroke-width="2"

                viewBox="0 0 24 24"

                stroke="currentColor"

              >
```



```

    <path
      d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-1l12 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
    ></path>
  </svg>
  <span class="ml-4">Dashboard</span>
</a>
</li>
</ul>
<ul>
  <li class="relative px-6 py-3">
    <span
      class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
      aria-hidden="true"
    ></span>
    <button
      class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
      @click="togglePagesMenuCustomer"
      aria-haspopup="true"
    >
      <span class="inline-flex items-center">
        <svg
          class="w-5 h-5"
          aria-hidden="true"
          fill="none"
          stroke-linecap="round"
          stroke-linejoin="round"
          stroke-width="2"
          viewBox="0 0 24 24"
          stroke="currentColor"
        >
          <path

```

```
d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1-1V5zM4 13a1 1 0 011-1h6a1 1 0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1-1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1-1v-6z"
```

```
></path>
```

```
</svg>
```

```
<span class="ml-4">Customers</span>
```

```
</span>
```

```
<svg
```

```
class="w-4 h-4"
```

```
aria-hidden="true"
```

```
fill="currentColor"
```

```
viewBox="0 0 20 20"
```

```
>
```

```
<path
```

```
fill-rule="evenodd"
```

```
d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"
```

```
clip-rule="evenodd"
```

```
></path>
```

```
</svg>
```

```
</button>
```

```
<template x-if="isPagesMenuOpenCustomer">
```

```
<ul
```

```
x-transition:enter="transition-all ease-in-out duration-300"
```

```
x-transition:enter-start="opacity-25 max-h-0"
```

```
x-transition:enter-end="opacity-100 max-h-xl"
```

```
x-transition:leave="transition-all ease-in-out duration-300"
```

```
x-transition:leave-start="opacity-100 max-h-xl"
```

```
x-transition:leave-end="opacity-0 max-h-0"
```

```
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
aria-label="submenu"
```

```
>
```

```

<li
  class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
  <a class="w-full" href="/add_customer">Add customer</a>
</li>
<li
  class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
  <a class="w-full" href="/view_customer">View customer</a>
</li>

</ul>
</template>
</li>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuItem"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >
        <path

```

```
d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1-1V5zM4 13a1 1 0 011-1h6a1 1 0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1-1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1-1v-6z"
```

```
></path>
```

```
</svg>
```

```
<span class="ml-4">Items</span>
```

```
</span>
```

```
<svg
```

```
class="w-4 h-4"
```

```
aria-hidden="true"
```

```
fill="currentColor"
```

```
viewBox="0 0 20 20"
```

```
>
```

```
<path
```

```
fill-rule="evenodd"
```

```
d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"
```

```
clip-rule="evenodd"
```

```
></path>
```

```
</svg>
```

```
</button>
```

```
<template x-if="isPagesMenuOpenItem">
```

```
<ul
```

```
x-transition:enter="transition-all ease-in-out duration-300"
```

```
x-transition:enter-start="opacity-25 max-h-0"
```

```
x-transition:enter-end="opacity-100 max-h-xl"
```

```
x-transition:leave="transition-all ease-in-out duration-300"
```

```
x-transition:leave-start="opacity-100 max-h-xl"
```

```
x-transition:leave-end="opacity-0 max-h-0"
```

```
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
aria-label="submenu"
```

```
>
```

```
<li
```

```

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/add_item">Add Item</a>
    </li>
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/view_item">View Item</a>
    </li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
    <button
        class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
        @click="togglePagesMenuInventory"
        aria-haspopup="true"
    >
        <span class="inline-flex items-center">
            <svg
                class="w-5 h-5"
                aria-hidden="true"
                fill="none"
                stroke-linecap="round"
                stroke-linejoin="round"
                stroke-width="2"
                viewBox="0 0 24 24"
                stroke="currentColor"
            >
                <path
                    d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5ZM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6ZM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6Z"

```

```

    ></path>
</svg>
<span class="ml-4">Inventory</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0 1.414l-4 4a1 1 0 010 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenInventory">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_inventory">Add Inventory</a>

```

```

    </li>

    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark: hover:text-gray-200"
    >
      <a class="w-full" href="/view_inventory">View Inventory</a>
    </li>
  </ul>

</template>

</li>

<li class="relative px-6 py-3">

  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark: hover:text-gray-200"
    @click="togglePagesMenuSale"
    aria-haspopup="true"
  >

    <span class="inline-flex items-center">

      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >

        <path
          d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 011-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1v-
6z"
        ></path>
      </svg>

      <span class="ml-4">Sale</span>
    </span>
  </button>
</li>

```

```

</span>

<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4-4a1 1 0 010-1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

```



```

    >

    <a class="w-full" href="/view_sale">View Sale</a>

  </li>

</ul>

</template>

</li>

</ul>

</div>

</aside>

<!-- Mobile sidebar -->

<!-- Backdrop -->

<div
  x-show="isSideMenuOpen"
  x-transition:enter="transition ease-in-out duration-150"
  x-transition:enter-start="opacity-0"
  x-transition:enter-end="opacity-100"
  x-transition:leave="transition ease-in-out duration-150"
  x-transition:leave-start="opacity-100"
  x-transition:leave-end="opacity-0"
  class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>

<div class="flex flex-col flex-1">

  <main class="h-full pb-16 overflow-y-auto" style="background-color: white;">

    <div class="container px-6 mx-auto grid">

      <h2
        class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
        style="color: black;">

        Add Customer Details

      </h2>

      <!-- General elements -->

      <h4
        class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"

```

```

        style="color: black;" >

</h4>

<p style="color:green;text-align:center;">{{status}}</p>

<form action="/add_customer" method="post" autocomplete="on">

<div

    class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"
>

    <label class="block text-sm">

        <span class="text-gray-700 dark:text-gray-400">Customer Name</span>

        <input

            class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"

            placeholder="Name" name="name" type="text"

        />

    </label>

    <label class="block text-sm">

        <span class="text-gray-700 dark:text-gray-400">Customer ID(Phone number)</span>

        <input

            class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"

            placeholder="Customer Id" name="id" type="number"

        />

    </label>

    <br></br>

    <button type="submit" style="background-color: rgb(0, 75, 128);color:white;padding: 15px
32px;">Submit</button>

</form>

</div>

</main>

</div>

</div>

</body>

</html>

```

add_inventory.html

```
<!DOCTYPE html>

<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Inventory Management - Forms</title>
    <link
      href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"
      rel="stylesheet"
    />
    <link rel="stylesheet" href="{ {url_for('static', filename='styles/tailwind_output.css')} }" />
    <script
      src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"
      defer
    ></script>
    <script src="{ {url_for('static', filename='js/init-alpine.js')} }" ></script>
  </head>
  <body>
    <div
      class="flex h-screen bg-gray-50 dark:bg-gray-900"
      :class="{ 'overflow-hidden': isSideMenuOpen}"
    >
      <!-- Desktop sidebar -->
      <aside
        class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"
      >
        <div class="py-4 text-gray-500 dark:text-gray-400">
          <a
            class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"
            href="#"
          >
            Inventory Management
          </a>
```

```

<ul class="mt-6">
  <li class="relative px-6 py-3">
    <a
      class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"
      href="/dashboard"
    >
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >
        <path
          d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-1l12 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
        ></path>
      </svg>
      <span class="ml-4">Dashboard</span>
    </a>
  </li>
</ul>
<ul>
  <li class="relative px-6 py-3">
    <button
      class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
      @click="togglePagesMenuCustomer"
      aria-haspopup="true"
    >

```

```
<span class="inline-flex items-center">

  <svg

    class="w-5 h-5"

    aria-hidden="true"

    fill="none"

    stroke-linecap="round"

    stroke-linejoin="round"

    stroke-width="2"

    viewBox="0 0 24 24"

    stroke="currentColor"

  >

    <path

      d="M4 5a1 1 0 01-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 01-1h6a1 1

0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 01-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1 1v-

6z"

    ></path>

  </svg>

  <span class="ml-4">Customers</span>

</span>

<svg

  class="w-4 h-4"

  aria-hidden="true"

  fill="currentColor"

  viewBox="0 0 20 20"

  >

    <path

      fill-rule="evenodd"

      d="M5.293 7.293a1 1 0 01.414 0L10 10.586l3.293-3.293a1 1 0 11.414 1.414l-4 4a1 1 0 01-1.414

0l-4-4a1 1 0 010-1.414z"

      clip-rule="evenodd"

    ></path>

  </svg>

</button>

<template x-if="isPagesMenuOpenCustomer">
```

```

<ul
  x-transition:enter="transition-all ease-in-out duration-300"
  x-transition:enter-start="opacity-25 max-h-0"
  x-transition:enter-end="opacity-100 max-h-xl"
  x-transition:leave="transition-all ease-in-out duration-300"
  x-transition:leave-start="opacity-100 max-h-xl"
  x-transition:leave-end="opacity-0 max-h-0"
  class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
  aria-label="submenu"
>
  <li
    class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
  >
    <a class="w-full" href="/add_customer">Add customer</a>
  </li>
  <li
    class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
  >
    <a class="w-full" href="/view_customer">View customer</a>
  </li>

</ul>
</template>
</li>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuItem"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg

```

```
class="w-5 h-5"
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"
stroke="currentColor"
>
<path
  d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
  ></path>
</svg>
<span class="ml-4">Items</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1.414
0l-4-4a1 1 0 0 1 0 10l-1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenItem">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
```

```

x-transition:enter-start="opacity-25 max-h-0"
x-transition:enter-end="opacity-100 max-h-xl"
x-transition:leave="transition-all ease-in-out duration-300"
x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_item">Add Item</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_item">View Item</a>
</li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
<span
class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
aria-hidden="true"
></span>
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuInventory"
aria-haspopup="true"
>
<span class="inline-flex items-center">

```



```
<svg
  class="w-5 h-5"
  aria-hidden="true"
  fill="none"
  stroke-linecap="round"
  stroke-linejoin="round"
  stroke-width="2"
  viewBox="0 0 24 24"
  stroke="currentColor"
>
  <path
    d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v
6z"

  ></path>
</svg>
<span class="ml-4">Inventory</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 1.414 0 0 1 10.586 13.293 3.293a1 1 0 1 1 1.414 1.414 4 4a1 1 0 0 1 1.414
0 0 1 1 1 0 0 1 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenInventory">
  <ul
```

```

x-transition:enter="transition-all ease-in-out duration-300"
x-transition:enter-start="opacity-25 max-h-0"
x-transition:enter-end="opacity-100 max-h-xl"
x-transition:leave="transition-all ease-in-out duration-300"
x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>

<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_inventory">Add Inventory</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_inventory">View Inventory</a>
</li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuSale"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"

```

```
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"
stroke="currentColor"
>
<path
  d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
  ></path>
</svg>
<span class="ml-4">Sale</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 0 11.414 10.586 13.293 3.293a1 1 0 1 1 1.414 1.414 4 4a1 1 0 0 1 1.414
0 1 4 4a1 1 0 0 1 0 1 0 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
```

```

        x-transition:enter-end="opacity-100 max-h-xl"

        x-transition:leave="transition-all ease-in-out duration-300"

        x-transition:leave-start="opacity-100 max-h-xl"

        x-transition:leave-end="opacity-0 max-h-0"

        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

        aria-label="submenu"
    >

    <li

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >

        <a class="w-full" href="/add_sale">Add Sale</a>

    </li>

    <li

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >

        <a class="w-full" href="/view_sale">View Sale</a>

    </li>

</ul>

</template>

</li>

</ul>

</div>

</aside>

<!-- Mobile sidebar -->

<!-- Backdrop -->

<div

    x-show="isSideMenuOpen"

    x-transition:enter="transition ease-in-out duration-150"

    x-transition:enter-start="opacity-0"

    x-transition:enter-end="opacity-100"

    x-transition:leave="transition ease-in-out duration-150"

    x-transition:leave-start="opacity-100"

```

x-transition:leave-end="opacity-0"

class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"

></div>

<div class="flex flex-col flex-1">

<main class="h-full pb-16 overflow-y-auto" style="background-color: white;">

<div class="container px-6 mx-auto grid">

<h2

class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"

style="color:black;" >

Add Inventory Details

</h2>

<!-- General elements -->

<form action="/add_inventory" method="post" autocomplete="on">

<div

class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"

>

<h4

class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"

>

</h4>

<p style="color:green;text-align:center;">{{status}}</p>

</br>

<label class="block text-sm">

Item Name

<select style="width: 1200px;height: 50px;" name="name">

{%for i in range(len)%}

<option style="min-height: 50px;" value="{{name[i]}}">{{name[i]}}</option>

{%endfor%}

</select>

</label>

</br>

<label class="block text-sm">

```

    <span class="text-gray-700 dark:text-gray-400">Quantity</span>
    <input
      class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
      placeholder="Quantity" name="quantity" type="number"
    />
  </label>
</br>
  <label class="block text-sm">
    <span class="text-gray-700 dark:text-gray-400">Stock Date</span>
    <input
      class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
      placeholder="Date" name="date" type="date"
    />
  </label>

</br>
  <button type="submit" style="background-color: rgb(0, 75, 128);color:white;padding: 15px
32px;">Submit</button>
</form>
</div>
</main>
</div>
</div>
</body>
</html>

```

add_item.html

```

<!DOCTYPE html>
<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
  <head>
    <meta charset="UTF-8" />

```

```

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Inventory Management - Forms</title>

<link

href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"

rel="stylesheet"

/>

<link rel="stylesheet" href={{url_for('static', filename='styles/tailwind_output.css')}} />

<script

src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"

defer

></script>

<script src="{{url_for('static', filename='js/init-alpine.js')}}"></script>

</head>

<body>

<div

class="flex h-screen bg-gray-50 dark:bg-gray-900"

:class="{ 'overflow-hidden': isSideMenuOpen}"

>

<!-- Desktop sidebar -->

<aside

class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"

>

<div class="py-4 text-gray-500 dark:text-gray-400">

<a

class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"

href="#"

>

Inventory Management

</a>

<ul class="mt-6">

<li class="relative px-6 py-3">

<a

class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-
150 hover:text-gray-800 dark: hover:text-gray-200 dark:text-gray-100"

```

```

href="/dashboard"
>
<svg
  class="w-5 h-5"
  aria-hidden="true"
  fill="none"
  stroke-linecap="round"
  stroke-linejoin="round"
  stroke-width="2"
  viewBox="0 0 24 24"
  stroke="currentColor"
>
  <path
    d="M3 12l2-2m0 0l7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2-2v10a1 1 0 01 1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
  ></path>
</svg>
<span class="ml-4">Dashboard</span>
</a>
</li>
</ul>
<ul>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuCustomer"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"

```



```

        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
    >
    <path
        d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5ZM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6ZM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6Z"
    ></path>
</svg>
<span class="ml-4">Customers</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
    >
    <path
        fill-rule="evenodd"
        d="M5.293 7.293a1 1 0 0 1 1 0 0 1 1.414 0L10 10.586l3.293-3.293a1 1 0 0 1 1 1 1.414 1.414l-4 4a1 1 0 0 1 1.414
0 1 1 1.414 1.414Z"
        clip-rule="evenodd"
    ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenCustomer">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"

```

```

x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_customer">Add customer</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_customer">View customer</a>
</li>

</ul>
</template>
</li>
<li class="relative px-6 py-3">
<span
class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
aria-hidden="true"
></span>
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuItem"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"

```

```
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"
stroke="currentColor"
>
<path
  d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
  ></path>
</svg>
<span class="ml-4">Items</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1 1.414
0 1 1 1 0 0 1 1 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenItem">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
```

```

x-transition:enter-end="opacity-100 max-h-xl"
x-transition:leave="transition-all ease-in-out duration-300"
x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_item">Add Item</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_item">View Item</a>
</li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuInventory"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"
aria-hidden="true"
fill="none"
stroke-linecap="round"

```

```

        stroke-linejoin="round"

        stroke-width="2"

        viewBox="0 0 24 24"

        stroke="currentColor"
    >

    <path

        d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6z"

    ></path>

</svg>

<span class="ml-4">Inventory</span>

</span>

<svg

    class="w-4 h-4"

    aria-hidden="true"

    fill="currentColor"

    viewBox="0 0 20 20"

    >

    <path

        fill-rule="evenodd"

        d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1 0 10 10 0 1 0 10-1.414z"

        clip-rule="evenodd"

    ></path>

</svg>

</button>

<template x-if="isPagesMenuOpenInventory">

    <ul

        x-transition:enter="transition-all ease-in-out duration-300"

        x-transition:enter-start="opacity-25 max-h-0"

        x-transition:enter-end="opacity-100 max-h-xl"

        x-transition:leave="transition-all ease-in-out duration-300"

        x-transition:leave-start="opacity-100 max-h-xl"

```

```

x-transition:leave-end="opacity-0 max-h-0"

class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_inventory">Add Inventory</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_inventory">View Inventory</a>
</li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuSale"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"

```

```

        stroke="currentColor"
      >
        <path
          d="M4 5a1 1 0 0 1 1-1h14a1 1 0 0 1 1v2a1 1 0 0 1 1H5a1 1 0 0 1 1-1V5zM4 13a1 1 0 0 1 1-1h6a1 1
0 0 1 1v6a1 1 0 0 1 1H5a1 1 0 0 1 1-1v-6zM16 13a1 1 0 0 1 1-1h2a1 1 0 0 1 1v6a1 1 0 0 1 1-1h-2a1 1 0 0 1 1-1v-
6z"
        ></path>
      </svg>
      <span class="ml-4">Sale</span>
    </span>
  <svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
  >
    <path
      fill-rule="evenodd"
      d="M5.293 7.293a1 1 0 0 1 1 0 0 1 1.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1.414
0 1 1 1.414 1 0 0 1 1.414z"
      clip-rule="evenodd"
    ></path>
  </svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
  >

```

```

        aria-label="submenu"
    >
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/view_sale">View Sale</a>
    </li>
</ul>
</template>
</li>

</ul>
</div>
</aside>
<!-- Mobile sidebar -->
<!-- Backdrop -->
<div
    x-show="isSideMenuOpen"
    x-transition:enter="transition ease-in-out duration-150"
    x-transition:enter-start="opacity-0"
    x-transition:enter-end="opacity-100"
    x-transition:leave="transition ease-in-out duration-150"
    x-transition:leave-start="opacity-100"
    x-transition:leave-end="opacity-0"
    class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>
<div class="flex flex-col flex-1">
    <main class="h-full pb-16 overflow-y-auto" style="background-color: white;">
        <div class="container px-6 mx-auto grid">

```



```

<h2
  class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
  style="color:black;">
  Add Item Details
</h2>

<!-- General elements -->

<h4
  class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
>

</h4>

<p style="color:green;text-align:center;">{{status}}</p>
<form action="/add_item" method="post" autocomplete="on">
<div
  class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"
>
  <label class="block text-sm">
    <span class="text-gray-700 dark:text-gray-400">Item Name</span>
    <input
      class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
      placeholder="Name" name="name" type="text"
    />
  </label>
  <label class="block text-sm">
    <span class="text-gray-700 dark:text-gray-400">Price</span>
    <input
      class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
      placeholder="Price" name="price" type="number"
    />
  </label>

</br></br>

```

```

        <button type="submit" style="background-color: rgb(0, 75, 128);color:white;padding: 15px
32px;">Submit</button>
    </form>
</div>

</main>
</div>
</div>
</body>
</html>

```

add_sale.html

```

<!DOCTYPE html>
<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Inventory Management - Forms</title>
    <link
        href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"
        rel="stylesheet"
    />
    <link rel="stylesheet" href="{ {url_for('static', filename='styles/tailwind_output.css')} }" />
    <script
        src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"
        defer
    ></script>
    <script src="{ {url_for('static', filename='js/init-alpine.js')} }"></script>
</head>
<body onload="init({ {items}})">
    <div
        class="flex h-screen bg-gray-50 dark:bg-gray-900"
        :class="{ 'overflow-hidden': isSideMenuOpen}"
    >

```

```
<!-- Desktop sidebar -->

<aside
  class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"
>

  <div class="py-4 text-gray-500 dark:text-gray-400">

    <a
      class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"
      href="#"
    >
      Inventory Management
    </a>

    <ul class="mt-6">
      <li class="relative px-6 py-3">
        <a
          class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"
          href="/dashboard"
        >

          <svg
            class="w-5 h-5"
            aria-hidden="true"
            fill="none"
            stroke-linecap="round"
            stroke-linejoin="round"
            stroke-width="2"
            viewBox="0 0 24 24"
            stroke="currentColor"
          >
            <path
              d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2 2v10a1 1 0 01 1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
            ></path>
          </svg>

          <span class="ml-4">Dashboard</span>
        </a>
      </li>
    </ul>
  </div>
</aside>
```

```

</a>
</li>
</ul>
<ul>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuCustomer"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >
        <path
          d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
        ></path>
      </svg>
      <span class="ml-4">Customers</span>
    </span>
    <svg
      class="w-4 h-4"
      aria-hidden="true"
      fill="currentColor"

```

```

        viewBox="0 0 20 20"

    >

    <path
        fill-rule="evenodd"

        d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4-4a1 1 0 010-1.414z"

        clip-rule="evenodd"

    ></path>

</svg>

</button>

<template x-if="isPagesMenuOpenCustomer">

    <ul

        x-transition:enter="transition-all ease-in-out duration-300"

        x-transition:enter-start="opacity-25 max-h-0"

        x-transition:enter-end="opacity-100 max-h-xl"

        x-transition:leave="transition-all ease-in-out duration-300"

        x-transition:leave-start="opacity-100 max-h-xl"

        x-transition:leave-end="opacity-0 max-h-0"

        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

        aria-label="submenu"

    >

    <li

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

    >

        <a class="w-full" href="/add_customer">Add customer</a>

    </li>

    <li

        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

    >

        <a class="w-full" href="/view_customer">View customer</a>

    </li>

</ul>

```

```

</template>
</li>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuItem"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >
        <path
          d="M4 5a1 1 0 01-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 01-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 01-1h2a1 1 0 011 1v6a1 1 0 01-1 1v-
6z"
        ></path>
      </svg>
      <span class="ml-4">Items</span>
    </span>
    <svg
      class="w-4 h-4"
      aria-hidden="true"
      fill="currentColor"
      viewBox="0 0 20 20"
    >

```

```

    <path
      fill-rule="evenodd"
      d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4-4a1 1 0 010-1.414z"
      clip-rule="evenodd"
    ></path>
  </svg>
</button>
<template x-if="isPagesMenuOpenItem">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_item">Add Item</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/view_item">View Item</a>
    </li>
  </ul>
</template>
</li>
<li class="relative px-6 py-3">

```

```

<button
  class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
  @click="togglePagesMenuInventory"
  aria-haspopup="true"
>
  <span class="inline-flex items-center">
    <svg
      class="w-5 h-5"
      aria-hidden="true"
      fill="none"
      stroke-linecap="round"
      stroke-linejoin="round"
      stroke-width="2"
      viewBox="0 0 24 24"
      stroke="currentColor"
    >
      <path
        d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 011-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1v-
6z"
      ></path>
    </svg>
    <span class="ml-4">Inventory</span>
  </span>
  <svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
  >
    <path
      fill-rule="evenodd"

```


d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"

clip-rule="evenodd"

></path>

</svg>

</button>

<template x-if="isPagesMenuOpenInventory">

<ul

x-transition:enter="transition-all ease-in-out duration-300"

x-transition:enter-start="opacity-25 max-h-0"

x-transition:enter-end="opacity-100 max-h-xl"

x-transition:leave="transition-all ease-in-out duration-300"

x-transition:leave-start="opacity-100 max-h-xl"

x-transition:leave-end="opacity-0 max-h-0"

class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

aria-label="submenu"

>

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

>

Add Inventory

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

>

View Inventory

</template>

<li class="relative px-6 py-3">

<span

class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"

```

        aria-hidden="true"
    ></span>

    <button
        class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
        @click="togglePagesMenuSale"
        aria-haspopup="true"
    >

    <span class="inline-flex items-center">

        <svg
            class="w-5 h-5"
            aria-hidden="true"
            fill="none"
            stroke-linecap="round"
            stroke-linejoin="round"
            stroke-width="2"
            viewBox="0 0 24 24"
            stroke="currentColor"
        >

            <path
                d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5z"
                M4 13a1 1 0 011-1h6a1 1 0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6z"
                M16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1 1v-6z"
            ></path>

        </svg>

        <span class="ml-4">Sale</span>

    </span>

    <svg
        class="w-4 h-4"
        aria-hidden="true"
        fill="currentColor"
        viewBox="0 0 20 20"
    >

        <path

```

```

        fill-rule="evenodd"
        d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414
0l-4-4a1 1 0 010-1.414z"
        clip-rule="evenodd"
    ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
        aria-label="submenu"
    >

        <li
            class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
        >
            <a class="w-full" href="/add_sale">Add Sale</a>
        </li>
        <li
            class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
        >
            <a class="w-full" href="/view_sale">View Sale</a>
        </li>
    </ul>
</template>
</li>

```

```

    </ul>
  </div>
</aside>

<!-- Mobile sidebar -->

<!-- Backdrop -->

<div
  x-show="isSideMenuOpen"
  x-transition:enter="transition ease-in-out duration-150"
  x-transition:enter-start="opacity-0"
  x-transition:enter-end="opacity-100"
  x-transition:leave="transition ease-in-out duration-150"
  x-transition:leave-start="opacity-100"
  x-transition:leave-end="opacity-0"
  class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>

<div class="flex flex-col flex-1">
  <main class="h-full pb-16 overflow-y-auto" style="background-color:white;">
    <div class="container px-6 mx-auto grid">
      <h2
        class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
        style="color:black;" >
        Add Sale
      </h2>

      <!-- General elements -->

      <h4
        class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
      >

      </h4>

      <p style="color:green;text-align:center;">{{status}}</p>
      <form action="/add_sale" method="post" autocomplete="on">
        <div
          class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"
        >

```

```

<label class="block text-sm">

  <span class="text-gray-700 dark:text-gray-400">Customer </span>

  <select style="width: 1200px;height: 50px;" name="cname">

    {%for i in range(clen)%}

      <option style="min-height: 50px;" value="{{cname[i]}}">{{cname[i]}} </option>

    {%endfor%}

  </select>

</label>

</br>

</div>

<div

  class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"

>

  <p style="color:red;text-align:center;" id="quantStatus"></p>

  <label class="block text-sm">

    <span class="text-gray-700 dark:text-gray-400">Item Name</span>

    <select style="width: 1200px;height: 50px;" name="iname" id="iname">

      {%for i in items%}

        <option style="min-height: 50px;" value='{{i["name"]}}'>{{i["name"]}} </option>

      {%endfor%}

    </select>

  </label>

  </br>

  <label class="block text-sm">

    <span class="text-gray-700 dark:text-gray-400">Quantity</span>

    <input

      class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"

      name="fname" type="number" name="quantity" id="quantity"

    />

  </label>

  </br>

  <button type="button" onclick="myFunction();" style="background-color: rgb(0, 75,
128);color:white;padding: 15px 32px;">Add More</button>

```

</div>

<h4

class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"

style="color:black;" >

Table

</h4>

<div class="w-full mb-8 overflow-hidden rounded-lg shadow-xs">

<div class="w-full overflow-x-auto">

<table class="w-full whitespace-no-wrap" id="myTable">

<thead>

<tr

class="text-xs font-semibold tracking-wide text-left text-gray-500 uppercase border-b dark:border-gray-700 bg-gray-50 dark:text-gray-400 dark:bg-gray-800"

>

<th class="px-4 py-3">Item Name</th>

<th class="px-4 py-3">Price</th>

<th class="px-4 py-3">Quantity</th>

<th class="px-4 py-3">Total</th>

</tr>

</thead>

<tbody

class="bg-white divide-y dark:divide-gray-700 dark:bg-gray-800"

>

<tr class="text-gray-700 dark:text-gray-400">

<td class="px-4 py-3 text-sm">

</td>

<td class="px-4 py-3 text-sm">

</td>

<td class="px-4 py-3 text-sm">

</td>

<td class="px-4 py-3 text-sm">

</td>

</tr>

</tbody>

```

        </table>

    </div>

</div>

</br>

<p style="display:none">

    <input type="text" type="hidden" name="item_array" value="" id="item_array"/>

    <input type="text" type="hidden" name="quantity_array" value="" id="quantity_array"/>

</p>

<p style="text-align:center;">Amount to be PAID :</p>

</br>

<p style="color:rgb(192, 20, 20);text-align:center;background-color: gold;width:10%;border-radius:
6px;margin-left: 550px;font-size: larger;" id="total">0</p>

</br>

<button type="submit" style="border-radius:6px;background-color: rgb(0, 75, 128);color:white;padding:
15px 32px;width: 100%;display: none;" id="submitBut">Submit</button>

</form>

</main>

</div>

</div>

<script>

var y=0,tot=0,n=0;

var it,q,price;

var item=[],quantity=[];

var items={},sale={};

function init(item){

    for(var i=0;i<item.length;i++){

        var list=[]

        list[1]=item[i]["quantity"]

        list[0]=item[i]["price"]

        items[item[i]["name"]]=list

    }

}

function myFunction() {

    it=document.getElementById("iname").value;

```

```

q=document.getElementById("quantity").value;
if(parseInt(items[it][1])<q){
    document.getElementById("quantStatus").innerHTML="Stock left for "+it+" is only "+items[it][1];
}
else if(q==0){
    document.getElementById("quantStatus").innerHTML="Quantity cannot be Zero";
}
else{
    items[it][1]-=q;
    price=items[it][0];
    if(it && q){
        finalCall();
    }
    item[y]=it
    quantity[y]=q
    document.getElementById("item_array").value=item;
    document.getElementById("quantity_array").value=quantity;
    y=y+1;
    document.getElementById("submitBut").style.display="block";
}
}
function finalCall(){
    var table = document.getElementById("myTable");
    for(var i=1;i<n+1;i++){
        table.deleteRow(1);
    }
    n=0;
    var x=1;
    var list=[]
    list[0]=price;
    list[1]=parseInt(q);
    list[2]=q*price;
    tot+=list[2];
    if(sale[it]){

```



```

    sale[it][1]+=list[1]
    sale[it][2]+=list[2]
    console.log("Repeated",sale[it])
  }
  else{
    sale[it]=list;
    console.log("New")
  }

  for(var key in sale){
    var row = table.insertRow(x);
    row.className = "text-gray-700 dark:text-gray-400"
    var cell1 = row.insertCell(0);
    var cell2 = row.insertCell(1);
    var cell3 = row.insertCell(2);
    var cell4 = row.insertCell(3)
    cell1.innerHTML = key;
    console.log(key)
    cell1.className = "px-4 py-3 text-sm temptable"
    cell2.innerHTML = sale[key][0];
    cell2.className = "px-4 py-3 text-sm temptable"
    cell3.innerHTML = sale[key][1];
    cell3.className = "px-4 py-3 text-sm temptable"
    cell4.innerHTML = sale[key][2];
    cell4.className = "px-4 py-3 text-sm temptable"
    x++;
    n++;
  }
  document.getElementById("quantity").value=" ";
  document.getElementById("iname").value=" ";
  document.getElementById("total").innerHTML=tot;
}
</script>
</body>

```

</html>

view_customer.html

<!DOCTYPE html>

<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Inventory Management - Tables</title>

<link

href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"

rel="stylesheet"

/>

<link rel="stylesheet" href={{url_for('static', filename='styles/tailwind_output.css')}} />

<script

src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"

defer

></script>

<script src="{{url_for('static', filename='js/init-alpine.js')}}"></script>

</head>

<body>

<div

class="flex h-screen bg-gray-50 dark:bg-gray-900"

:class="{ 'overflow-hidden': isSideMenuOpen}"

>

<!-- Desktop sidebar -->

<aside

class="z-20 flex-shrink-0 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block"

>

<div class="py-4 text-gray-500 dark:text-gray-400">

<a

class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"

href="#"

>

Inventory Management

<ul class="mt-6">

<li class="relative px-6 py-3">

<a

class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"

href="/dashboard"

>

<svg

class="w-5 h-5"

aria-hidden="true"

fill="none"

stroke-linecap="round"

stroke-linejoin="round"

stroke-width="2"

viewBox="0 0 24 24"

stroke="currentColor"

>

<path

d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1 0 00-1v-4a1 1 0 01-1h2a1 1 0 01 1v4a1 1 0 00 1m-6 0h6"

></path>

</svg>

Dashboard

<li class="relative px-6 py-3">

<span

class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"

aria-hidden="true"

>

```
<button
  class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
  @click="togglePagesMenuCustomer"
  aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 011-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1v-
6z"
    ></path>
  </svg>
  <span class="ml-4">Customers</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"

```

d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"

clip-rule="evenodd"

></path>

</svg>

</button>

<template x-if="isPagesMenuOpenCustomer">

<ul

x-transition:enter="transition-all ease-in-out duration-300"

x-transition:enter-start="opacity-25 max-h-0"

x-transition:enter-end="opacity-100 max-h-xl"

x-transition:leave="transition-all ease-in-out duration-300"

x-transition:leave-start="opacity-100 max-h-xl"

x-transition:leave-end="opacity-0 max-h-0"

class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

aria-label="submenu"

>

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

>

Add customer

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

>

View customer

</template>

<li class="relative px-6 py-3">

```

<button
  class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
  @click="togglePagesMenuItem"
  aria-haspopup="true"
>
  <span class="inline-flex items-center">
    <svg
      class="w-5 h-5"
      aria-hidden="true"
      fill="none"
      stroke-linecap="round"
      stroke-linejoin="round"
      stroke-width="2"
      viewBox="0 0 24 24"
      stroke="currentColor"
    >
      <path
        d="M4 5a1 1 0 01-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 01-1h6a1 1
0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 01-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1 1v-
6z"
      ></path>
    </svg>
    <span class="ml-4">Items</span>
  </span>
  <svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
  >
    <path
      fill-rule="evenodd"

```

```
d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"
```

```
clip-rule="evenodd"
```

```
></path>
```

```
</svg>
```

```
</button>
```

```
<template x-if="isPagesMenuOpenItem">
```

```
<ul
```

```
x-transition:enter="transition-all ease-in-out duration-300"
```

```
x-transition:enter-start="opacity-25 max-h-0"
```

```
x-transition:enter-end="opacity-100 max-h-xl"
```

```
x-transition:leave="transition-all ease-in-out duration-300"
```

```
x-transition:leave-start="opacity-100 max-h-xl"
```

```
x-transition:leave-end="opacity-0 max-h-0"
```

```
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-  
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
aria-label="submenu"
```

```
>
```

```
<li
```

```
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
>
```

```
<a class="w-full" href="/add_item">Add Item</a>
```

```
</li>
```

```
<li
```

```
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
>
```

```
<a class="w-full" href="/view_item">View Item</a>
```

```
</li>
```

```
</ul>
```

```
</template>
```

```
</li>
```

```
<li class="relative px-6 py-3">
```

```
<button
```

```

class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuInventory"
aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1h5a1 1 0 0 1 1 1v5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1h5a1 1 0 0 1 1 1v6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v
6z"
    ></path>
  </svg>
  <span class="ml-4">Inventory</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
    <path
      fill-rule="evenodd"
      d="M5.293 7.293a1 1 0 0 1 1 1.414 0 1 0 10.586 13.293 3.293 3.293a1 1 0 1 1 1.414 1.414 4 4a1 1 0 0 1 1.414
0 1 4 4a1 1 0 0 1 0 10 1.414z"

```



```

        clip-rule="evenodd"

    ></path>

</svg>

</button>

<template x-if="isPagesMenuOpenInventory">
    <ul

        x-transition:enter="transition-all ease-in-out duration-300"

        x-transition:enter-start="opacity-25 max-h-0"

        x-transition:enter-end="opacity-100 max-h-xl"

        x-transition:leave="transition-all ease-in-out duration-300"

        x-transition:leave-start="opacity-100 max-h-xl"

        x-transition:leave-end="opacity-0 max-h-0"

        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

        aria-label="submenu"

    >

        <li

            class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

            >

                <a class="w-full" href="/add_inventory">Add Inventory</a>

            </li>

            <li

                class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"

                >

                    <a class="w-full" href="/view_inventory">View Inventory</a>

                </li>

            </ul>

        </template>

    </li>

    <li class="relative px-6 py-3">

        <button

            class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"

            @click="togglePagesMenuSale"

```

```
aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
    ></path>
  </svg>
  <span class="ml-4">Sale</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 1.414 0 1 0 10.586 13.293-3.293a1 1 0 1 1 1.414 1.414 4 4a1 1 0 0 1 1.414
0 1 0 10.586 13.293-3.293a1 1 0 1 1 1.414 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
```

```

</button>

<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/view_sale">View Sale</a>
    </li>
  </ul>
</template>
</li>

</ul>
</div>
</aside>
<!-- Mobile sidebar -->
<!-- Backdrop -->
<div
  x-show="isSideMenuOpen"

```

```

x-transition:enter="transition ease-in-out duration-150"
x-transition:enter-start="opacity-0"
x-transition:enter-end="opacity-100"
x-transition:leave="transition ease-in-out duration-150"
x-transition:leave-start="opacity-100"
x-transition:leave-end="opacity-0"
class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>

```

```

<div class="flex flex-col flex-1 w-full">
  <main class="h-full pb-16 overflow-y-auto" style="background-color: white; ">
    <div class="container grid px-6 mx-auto">
      <h2
        class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
        style="color:black;"
      >
        View Customers
      </h2>

```

```

<!-- With avatar -->
<h4
  class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
  style="color:black;" >
  Customers
</h4>
<div class="w-full mb-8 overflow-hidden rounded-lg shadow-xs">
  <div class="w-full overflow-x-auto">
    <table class="w-full whitespace-no-wrap">
      <thead>
        <tr
          class="text-xs font-semibold tracking-wide text-left text-gray-500 uppercase border-b dark:border-
gray-700 bg-gray-50 dark:text-gray-400 dark:bg-gray-800"
        >
          <th class="px-4 py-3">Customer Name</th>

```

```

        <th class="px-4 py-3">Customer ID(phone)</th>
    </tr>
</thead>
<tbody
    class="bg-white divide-y dark:divide-gray-700 dark:bg-gray-800"
>
    {%for i in range (len)%}
        <tr class="text-gray-700 dark:text-gray-400">
            <td class="px-4 py-3 text-sm">
                {{name[i]}}
            </td>
            <td class="px-4 py-3 text-sm">
                {{id[i]}}
            </td>
        </tr>
    {%endfor%}
</tbody>
</table>
</div>
</div>
</div>
</main>
</div>
</div>
</body>
</html>

```

view_inventory.html

```

<!DOCTYPE html>
<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    </head>

```

```

<title>Inventory Management - Forms</title>

<link
  href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"
  rel="stylesheet"
/>

<link rel="stylesheet" href={ {url_for('static', filename='styles/tailwind_output.css')} } />

<script
  src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"
  defer
></script>

<script src="{ {url_for('static', filename='js/init-alpine.js')} }"></script>
</head>
<body>
  <div
    class="flex h-screen bg-gray-50 dark:bg-gray-900"
    :class="{ 'overflow-hidden': isSideMenuOpen}"
  >
    <!-- Desktop sidebar -->
    <aside
      class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"
    >
      <div class="py-4 text-gray-500 dark:text-gray-400">
        <a
          class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"
          href="#"
        >
          Inventory Management
        </a>
        <ul class="mt-6">
          <li class="relative px-6 py-3">
            <a
              class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"
              href="/dashboard"
            >

```

```

>

<svg
  class="w-5 h-5"
  aria-hidden="true"
  fill="none"
  stroke-linecap="round"
  stroke-linejoin="round"
  stroke-width="2"
  viewBox="0 0 24 24"
  stroke="currentColor"
>

  <path
    d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
  ></path>
</svg>

<span class="ml-4">Dashboard</span>
</a>
</li>
</ul>
<ul>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuCustomer"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">
      <svg
        class="w-5 h-5"
        aria-hidden="true"
        fill="none"
        stroke-linecap="round"

```

```
stroke-linejoin="round"  
stroke-width="2"  
viewBox="0 0 24 24"  
stroke="currentColor"  
  
>  
  
<path  
d="M4 5a1 1 0 0 1-1 h 14a1 1 0 0 1 1 v 2a1 1 0 0 1-1 H 5a1 1 0 0 1-1 V 5zM4 13a1 1 0 0 1-1 h 6a1 1 0 0 1 1 v 6a1 1 0 0 1-1 H 5a1 1 0 0 1-1 v 6zM16 13a1 1 0 0 1-1 h 2a1 1 0 0 1 1 v 6a1 1 0 0 1-1 h 2a1 1 0 0 1-1 v 6Z"  
  
></path>  
</svg>  
<span class="ml-4">Customers</span>  
</span>  
<svg  
class="w-4 h-4"  
aria-hidden="true"  
fill="currentColor"  
viewBox="0 0 20 20"  
>  
  
<path  
fill-rule="evenodd"  
d="M5.293 7.293a1 1 0 0 1 1 0 0 1 1.414 0 L 10 .586 l 3.293-3.293a1 1 0 1 1 1.414 1.414 l -4 4a1 1 0 0 1-1.414 0 l -4 4a1 1 0 0 1 0 1.414z"  
clip-rule="evenodd"  
></path>  
</svg>  
</button>  
<template x-if="isPagesMenuOpenCustomer">  
<ul  
x-transition:enter="transition-all ease-in-out duration-300"  
x-transition:enter-start="opacity-25 max-h-0"  
x-transition:enter-end="opacity-100 max-h-xl"  
x-transition:leave="transition-all ease-in-out duration-300"  
x-transition:leave-start="opacity-100 max-h-xl"
```



```

        x-transition:leave-end="opacity-0 max-h-0"

        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

        aria-label="submenu"
    >
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/add_customer">Add customer</a>
    </li>
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/view_customer">View customer</a>
    </li>

</ul>
</template>
</li>
<li class="relative px-6 py-3">
    <button
        class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
        @click="togglePagesMenuItem"
        aria-haspopup="true"
    >
        <span class="inline-flex items-center">
            <svg
                class="w-5 h-5"
                aria-hidden="true"
                fill="none"
                stroke-linecap="round"
                stroke-linejoin="round"
                stroke-width="2"

```

```

        viewBox="0 0 24 24"
        stroke="currentColor"
    >
        <path
            d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5z M4 13a1 1 0 0 1 1 1h6a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6z M16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-6z"
        ></path>
    </svg>
    <span class="ml-4">Items</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
    >
        <path
            fill-rule="evenodd"
            d="M5.293 7.293a1 1 0 0 1 0 1.414L10 10.586l3.293-3.293a1 1 0 1 1 1.414-1.414l-4-4a1 1 0 0 1 0 1.414z"
            clip-rule="evenodd"
        ></path>
    </svg>
</button>
<template x-if="isPagesMenuOpenItem">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
    >

```

```
      class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-  
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
      aria-label="submenu"
```

```
>
```

```
<li
```

```
  class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
>
```

```
  <a class="w-full" href="/add_item">Add Item</a>
```

```
</li>
```

```
<li
```

```
  class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
>
```

```
  <a class="w-full" href="/view_item">View Item</a>
```

```
</li>
```

```
</ul>
```

```
</template>
```

```
</li>
```

```
<li class="relative px-6 py-3">
```

```
  <span
```

```
    class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
```

```
    aria-hidden="true"
```

```
></span>
```

```
  <button
```

```
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-  
150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
    @click="togglePagesMenuInventory"
```

```
    aria-haspopup="true"
```

```
>
```

```
  <span class="inline-flex items-center">
```

```
    <svg
```

```
      class="w-5 h-5"
```

```
      aria-hidden="true"
```

```
      fill="none"
```

```
      stroke-linecap="round"
```

```

        stroke-linejoin="round"

        stroke-width="2"

        viewBox="0 0 24 24"

        stroke="currentColor"
    >

    <path

        d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-6z"

    ></path>

</svg>

<span class="ml-4">Inventory</span>

</span>

<svg

    class="w-4 h-4"

    aria-hidden="true"

    fill="currentColor"

    viewBox="0 0 20 20"

    >

    <path

        fill-rule="evenodd"

        d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1 0 1-1.414 0l-4-4a1 1 0 0 1 0 1-1.414z"

        clip-rule="evenodd"

    ></path>

</svg>

</button>

<template x-if="isPagesMenuOpenInventory">

    <ul

        x-transition:enter="transition-all ease-in-out duration-300"

        x-transition:enter-start="opacity-25 max-h-0"

        x-transition:enter-end="opacity-100 max-h-xl"

        x-transition:leave="transition-all ease-in-out duration-300"

        x-transition:leave-start="opacity-100 max-h-xl"

```

```

x-transition:leave-end="opacity-0 max-h-0"

class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"

aria-label="submenu"
>

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark: hover:text-gray-200"
>

<a class="w-full" href="/add_inventory">Add Inventory</a>

</li>

<li

class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark: hover:text-gray-200"
>

<a class="w-full" href="/view_inventory">View Inventory</a>

</li>

</ul>

</template>

</li>

<li class="relative px-6 py-3">

<button

class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark: hover:text-gray-200"

@click="togglePagesMenuSale"

aria-haspopup="true"
>

<span class="inline-flex items-center">

<svg

class="w-5 h-5"

aria-hidden="true"

fill="none"

stroke-linecap="round"

stroke-linejoin="round"

stroke-width="2"

```

```

        viewBox="0 0 24 24"
        stroke="currentColor"
    >
        <path
            d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5z"
            M4 13a1 1 0 0 1 1 1h6a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6z"
            M16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-6z"
        ></path>
    </svg>
    <span class="ml-4">Sale</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
    >
        <path
            fill-rule="evenodd"
            d="M5.293 7.293a1 1 0 0 1 1 1.414L10 10.586l3.293-3.293a1 1 0 1 1 1.414-1.414l-4-4a1 1 0 0 1 1.414-1.414z"
            clip-rule="evenodd"
        ></path>
    </svg>
</button>
<template x-if="isPagesMenuOpenSale">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
    >

```

```
        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
        aria-label="submenu"
```

```
    >
```

```
    <li
```

```
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
    >
```

```
        <a class="w-full" href="/add_sale">Add Sale</a>
```

```
    </li>
```

```
</ul>
```

```
</template>
```

```
</li>
```

```
</ul>
```

```
</div>
```

```
</aside>
```

```
<!-- Mobile sidebar -->
```

```
<!-- Backdrop -->
```

```
<div
```

```
    x-show="isSideMenuOpen"
```

```
    x-transition:enter="transition ease-in-out duration-150"
```

```
    x-transition:enter-start="opacity-0"
```

```
    x-transition:enter-end="opacity-100"
```

```
    x-transition:leave="transition ease-in-out duration-150"
```

```
    x-transition:leave-start="opacity-100"
```

```
    x-transition:leave-end="opacity-0"
```

```
    class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
```

```
></div>
```

```
<div class="flex flex-col flex-1">
```

```
    <main class="h-full pb-16 overflow-y-auto" style="background-color: white;">
```

```
        <div class="container px-6 mx-auto grid">
```

```
            <h2
```

```
                class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
```

```
                style="color:black;">
```

View Inventory

</h2>

<h4

class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"

>

</h4>

<!-- General elements -->

<p id="temp" style="color:red"></p>

<form action="/view_inventory" method="post" autocomplete="on">

<div

class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"

>

<label class="block text-sm">

Item Name

<select style="width: 1200px;height: 50px;" name="name">

{%for i in name%}

<option style="min-height: 50px;" value="{i}">{i}</option>

{%endfor%}

</select>

</label>

<label class="block text-sm">

Start Date

<input

class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"

placeholder="Start Date" name="start_date" type="date" id="start" onfocusout="myFunction()"

/>

</label>

<label class="block text-sm">

End Date

<input

class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"

placeholder="End Date" name="end_date" type="date" onfocusout="myFunction()" id="end"


```
</>

</label>


</br>

<button type="submit" style="background-color: green;padding: 15px 32px;display: none;"
id="but">Filter</button>

</form>

</div>

<h4

class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
style="color:black;" >

Inventory

</h4>

<div class="w-full mb-8 overflow-hidden rounded-lg shadow-xs">

<div class="w-full overflow-x-auto">

<table class="w-full whitespace-no-wrap">

<thead>

<tr

class="text-xs font-semibold tracking-wide text-left text-gray-500 uppercase border-b dark:border-
gray-700 bg-gray-50 dark:text-gray-400 dark:bg-gray-800"

>

<th class="px-4 py-3">Item Name</th>

<th class="px-4 py-3">Quantity</th>

<th class="px-4 py-3">Date</th>

</tr>

</thead>

<tbody

class="bg-white divide-y dark:divide-gray-700 dark:bg-gray-800"

>

{%for i in items%}

<tr class="text-gray-700 dark:text-gray-400">

<td class="px-4 py-3 text-sm">

{{["item_name"]}}

</td>

<td class="px-4 py-3 text-sm">
```

```

        {{i["quantity"]}}
    </td>

    <td class="px-4 py-3 text-sm">
        {{i["stock_date"]}}
    </td>
</tr>
{%endfor%}
</tbody>
</table>
</div>
</div>
</main>
</div>
</div>
<script>
x=0
function myFunction(){
    if(x==0){
        x++;
        return
    }
    var st=document.getElementById("start").value;
    var en=document.getElementById("end").value;
    console.log(st)
    if(st>=en){
        document.getElementById("but").style.display="none";
        document.getElementById("temp").innerHTML="Start date should be before end date"
    }
    else{
        document.getElementById("temp").innerHTML=""
        document.getElementById("but").style.display="block";
    }
}
</script>

```

```
</body>
</html>
```

view_item.html

```
<!DOCTYPE html>
<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Inventory Management - Forms</title>
    <link
      href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"
      rel="stylesheet"
    />
    <link rel="stylesheet" href="{ {url_for('static', filename='styles/tailwind_output.css')} }" />
    <script
      src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"
      defer
    ></script>
    <script src="{ {url_for('static', filename='js/init-alpine.js')} }" ></script>
  </head>
  <body>
    <div
      class="flex h-screen bg-gray-50 dark:bg-gray-900"
      :class="{ 'overflow-hidden': isSideMenuOpen}"
    >
      <!-- Desktop sidebar -->
      <aside
        class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"
      >
        <div class="py-4 text-gray-500 dark:text-gray-400">
          <a
            class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"
            href="#"
```

```

>
    Inventory Management
</a>

<ul class="mt-6">

    <li class="relative px-6 py-3">

        <a

            class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"

            href="/dashboard"

        >

            <svg

                class="w-5 h-5"

                aria-hidden="true"

                fill="none"

                stroke-linecap="round"

                stroke-linejoin="round"

                stroke-width="2"

                viewBox="0 0 24 24"

                stroke="currentColor"

            >

                <path

                    d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"

                ></path>

            </svg>

            <span class="ml-4">Dashboard</span>

        </a>

    </li>

</ul>

<ul>

    <li class="relative px-6 py-3">

        <button

            class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"

```

```

@click="togglePagesMenuCustomer"
aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 011-1h14a1 1 0 011 1v2a1 1 0 01-1 1H5a1 1 0 01-1 1V5zM4 13a1 1 0 011-1h6a1 1 0 011 1v6a1 1 0 01-1 1H5a1 1 0 01-1 1v-6zM16 13a1 1 0 011-1h2a1 1 0 011 1v6a1 1 0 01-1 1h-2a1 1 0 01-1 1v-6z"
    ></path>
  </svg>
  <span class="ml-4">Customers</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 011.414 0L10 10.586l3.293-3.293a1 1 0 111.414 1.414l-4 4a1 1 0 01-1.414 0l-4-4a1 1 0 010-1.414z"
    clip-rule="evenodd"
  ></path>

```

```

</svg>
</button>
<template x-if="isPagesMenuOpenCustomer">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_customer">Add customer</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/view_customer">View customer</a>
    </li>
  </ul>
</template>
</li>
<li class="relative px-6 py-3">
  <span
    class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
    aria-hidden="true"
  ></span>
  <button

```

```

class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuItem"
aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1h5a1 1 0 0 1 1 1v5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1h5a1 1 0 0 1 1 1v6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v
6z"
    ></path>
  </svg>
  <span class="ml-4">Items</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
    <path
      fill-rule="evenodd"
      d="M5.293 7.293a1 1 0 0 1 1 1.414 0 1 0 10.586 13.293 3.293 3.293a1 1 0 1 1 1.414 1.414 4 4a1 1 0 0 1 1.414
0 1 4 4a1 1 0 0 1 0 10 1.414z"

```

```

        clip-rule="evenodd"
      ></path>
    </svg>
  </button>
  <template x-if="isPagesMenuOpenItem">
    <ul
      x-transition:enter="transition-all ease-in-out duration-300"
      x-transition:enter-start="opacity-25 max-h-0"
      x-transition:enter-end="opacity-100 max-h-xl"
      x-transition:leave="transition-all ease-in-out duration-300"
      x-transition:leave-start="opacity-100 max-h-xl"
      x-transition:leave-end="opacity-0 max-h-0"
      class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
      aria-label="submenu"
    >
      <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
      >
        <a class="w-full" href="/add_item">Add Item</a>
      </li>
      <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
      >
        <a class="w-full" href="/view_item">View Item</a>
      </li>
    </ul>
  </template>
</li>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuInventory"

```



```

aria-haspopup="true"
>
<span class="inline-flex items-center">
  <svg
    class="w-5 h-5"
    aria-hidden="true"
    fill="none"
    stroke-linecap="round"
    stroke-linejoin="round"
    stroke-width="2"
    viewBox="0 0 24 24"
    stroke="currentColor"
  >
    <path
      d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5z"
      M4 13a1 1 0 0 1 1 1h6a1 1
      0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6z"
      M16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
      6z"
    ></path>
  </svg>
  <span class="ml-4">Inventory</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 1.414 0 1 0 10.586 13.293-3.293a1 1 0 1 1 1.414 1.414 4 4 1 0 0 1 1.414
    0 1 0 1.414 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>

```

```

</button>

<template x-if="isPagesMenuOpenInventory">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_inventory">Add Inventory</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/view_inventory">View Inventory</a>
    </li>
  </ul>
</template>
</li>
<li class="relative px-6 py-3">
  <button
    class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
    @click="togglePagesMenuSale"
    aria-haspopup="true"
  >
    <span class="inline-flex items-center">

```

```
<svg
  class="w-5 h-5"
  aria-hidden="true"
  fill="none"
  stroke-linecap="round"
  stroke-linejoin="round"
  stroke-width="2"
  viewBox="0 0 24 24"
  stroke="currentColor"
>
  <path
    d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"

  ></path>
</svg>
<span class="ml-4">Sale</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 1.414 0 0 0 1.414 0 10 10.586 13.293 3.293a1 1 0 1 1 1.414 1.414 1 1 0 0 1 1.414
0 0 1 1 1 0 0 1 1.414 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
```

```

        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
        class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
        aria-label="submenu"
    >
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
        class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
        <a class="w-full" href="/view_sale">View Sale</a>
    </li>
    </ul>
</template>
</li>

</ul>
</div>
</aside>
<!-- Mobile sidebar -->
<!-- Backdrop -->
<div
    x-show="isSideMenuOpen"
    x-transition:enter="transition ease-in-out duration-150"
    x-transition:enter-start="opacity-0"
    x-transition:enter-end="opacity-100"

```

```
x-transition:leave="transition ease-in-out duration-150"
x-transition:leave-start="opacity-100"
x-transition:leave-end="opacity-0"
class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>
```

```
<div class="flex flex-col flex-1 w-full">
  <main class="h-full pb-16 overflow-y-auto" style="background-color: white;">
    <div class="container grid px-6 mx-auto">
      <h2
        class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
        style="color:black;">
        View Items
      </h2>
```

```
<!-- With avatar -->
```

```
<h4
  class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
  style="color:black;" >
</h4>
<div class="w-full mb-8 overflow-hidden rounded-lg shadow-xs">
  <div class="w-full overflow-x-auto">
    <table class="w-full whitespace-no-wrap">
      <thead>
        <tr
          class="text-xs font-semibold tracking-wide text-left text-gray-500 uppercase border-b dark:border-
          gray-700 bg-gray-50 dark:text-gray-400 dark:bg-gray-800"
          >
          <th class="px-4 py-3">Item ID</th>
          <th class="px-4 py-3">Item Name</th>
          <th class="px-4 py-3">Price</th>
          <th class="px-4 py-3">Left Out</th>
        </tr>
      </thead>
```

```

<tbody
  class="bg-white divide-y dark:divide-gray-700 dark:bg-gray-800"
>
  {%for i in range (len)%}

  <tr class="text-gray-700 dark:text-gray-400">

    <td class="px-4 py-3 text-sm">

      {{id[i]}}

    </td>

    <td class="px-4 py-3 text-sm">

      {{name[i]}}

    </td>

    <td class="px-4 py-3 text-sm">

      {{price[i]}}

    </td>

    <td class="px-4 py-3 text-sm">

      {{left_out[i]}}

    </td>

  </tr>

  {%endfor%}

</tbody>

</table>

</div>

</div>

</div>

</main>

</div>

</div>

</body>

</html>

```

view_sale.html

```

<!DOCTYPE html>

<html :class="{ 'theme-dark': dark }" x-data="data()" lang="en">

  <head>

```

```
<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Inventory Management - Forms</title>

<link

  href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&display=swap"

  rel="stylesheet"

/>

<link rel="stylesheet" href={{url_for('static', filename='styles/tailwind_output.css')}} />

<script

  src="https://cdn.jsdelivr.net/gh/alpinejs/alpine@v2.x.x/dist/alpine.min.js"

  defer

></script>

<script src="{{url_for('static', filename='js/init-alpine.js')}}"></script>

</head>

<body>

  <div

    class="flex h-screen bg-gray-50 dark:bg-gray-900"

    :class="{ 'overflow-hidden': isSideMenuOpen}"

  >

    <!-- Desktop sidebar -->

    <aside

      class="z-20 hidden w-64 overflow-y-auto bg-white dark:bg-gray-800 md:block flex-shrink-0"

    >

      <div class="py-4 text-gray-500 dark:text-gray-400">

        <a

          class="ml-6 text-lg font-bold text-gray-800 dark:text-gray-200"

          href="#"

        >

          Inventory Management

        </a>

        <ul class="mt-6">

          <li class="relative px-6 py-3">

            <a
```

```

class="inline-flex items-center w-full text-sm font-semibold text-gray-800 transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200 dark:text-gray-100"
href="/dashboard"
>
<svg
class="w-5 h-5"
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"
stroke="currentColor"
>
<path
d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01 1h3m10-11l2 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1
0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6 0h6"
></path>
</svg>
<span class="ml-4">Dashboard</span>
</a>
</li>
</ul>
<ul>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuCustomer"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"

```



```
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"
viewBox="0 0 24 24"
stroke="currentColor"
>
<path
  d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6z"
  ></path>
</svg>
<span class="ml-4">Customers</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
  >
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1.414 1.414l-4 4a1 1 0 0 1 1 0 1-1.414
0 1-4a1 1 0 0 1 0 10-1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenCustomer">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
```

```

x-transition:enter-end="opacity-100 max-h-xl"
x-transition:leave="transition-all ease-in-out duration-300"
x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_customer">Add customer</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_customer">View customer</a>
</li>

</ul>
</template>
</li>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuItem"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"
aria-hidden="true"
fill="none"

```

```

        stroke-linecap="round"
        stroke-linejoin="round"
        stroke-width="2"
        viewBox="0 0 24 24"
        stroke="currentColor"
    >
    <path
        d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5ZM4 13a1 1 0 0 1 1 1h6a1 1
0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6ZM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-
6Z"
    ></path>
</svg>
<span class="ml-4">Items</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
    >
    <path
        fill-rule="evenodd"
        d="M5.293 7.293a1 1 0 0 1 1 0 11.414 0L10 10.586l3.293-3.293a1 1 0 1 1 1 1 11.414 1.414l-4 4a1 1 0 0 1 1 1 1.414
0l-4-4a1 1 0 0 1 0 1 10.586 0L10 10.586l3.293-3.293a1 1 0 0 1 1 1 1.414 1.414Z"
        clip-rule="evenodd"
    ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenItem">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"

```

```

x-transition:leave-start="opacity-100 max-h-xl"
x-transition:leave-end="opacity-0 max-h-0"
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
aria-label="submenu"
>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/add_item">Add Item</a>
</li>
<li
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
>
<a class="w-full" href="/view_item">View Item</a>
</li>
</ul>
</template>
</li>
<li class="relative px-6 py-3">
<button
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-
150 hover:text-gray-800 dark:hover:text-gray-200"
@click="togglePagesMenuInventory"
aria-haspopup="true"
>
<span class="inline-flex items-center">
<svg
class="w-5 h-5"
aria-hidden="true"
fill="none"
stroke-linecap="round"
stroke-linejoin="round"
stroke-width="2"

```

```

        viewBox="0 0 24 24"
        stroke="currentColor"
    >
        <path
            d="M4 5a1 1 0 0 1 1 1h14a1 1 0 0 1 1 1v2a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1V5zM4 13a1 1 0 0 1 1 1h6a1 1 0 0 1 1 1v6a1 1 0 0 1 1 1H5a1 1 0 0 1 1 1v-6zM16 13a1 1 0 0 1 1 1h2a1 1 0 0 1 1 1h-2a1 1 0 0 1 1 1v-6z"
        ></path>
    </svg>
    <span class="ml-4">Inventory</span>
</span>
<svg
    class="w-4 h-4"
    aria-hidden="true"
    fill="currentColor"
    viewBox="0 0 20 20"
    >
        <path
            fill-rule="evenodd"
            d="M5.293 7.293a1 1 0 0 1 0 1.414 10.586 10.586 0 0 1 3.293 3.293a1 1 0 0 1 1.414 1.414 4 4 0 0 1 1.414 1.414 10.586 10.586 0 0 1 3.293 3.293a1 1 0 0 1 1.414 1.414z"
            clip-rule="evenodd"
        ></path>
    </svg>
</button>
<template x-if="isPagesMenuOpenInventory">
    <ul
        x-transition:enter="transition-all ease-in-out duration-300"
        x-transition:enter-start="opacity-25 max-h-0"
        x-transition:enter-end="opacity-100 max-h-xl"
        x-transition:leave="transition-all ease-in-out duration-300"
        x-transition:leave-start="opacity-100 max-h-xl"
        x-transition:leave-end="opacity-0 max-h-0"
    >

```

```
class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-  
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
```

```
aria-label="submenu"
```

```
>
```

```
<li
```

```
class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
>
```

```
<a class="w-full" href="/add_inventory">Add Inventory</a>
```

```
</li>
```

```
</ul>
```

```
</template>
```

```
</li>
```

```
<li class="relative px-6 py-3">
```

```
<span
```

```
class="absolute inset-y-0 left-0 w-1 bg-purple-600 rounded-tr-lg rounded-br-lg"
```

```
aria-hidden="true"
```

```
></span>
```

```
<button
```

```
class="inline-flex items-center justify-between w-full text-sm font-semibold transition-colors duration-  
150 hover:text-gray-800 dark:hover:text-gray-200"
```

```
@click="togglePagesMenuSale"
```

```
aria-haspopup="true"
```

```
>
```

```
<span class="inline-flex items-center">
```

```
<svg
```

```
class="w-5 h-5"
```

```
aria-hidden="true"
```

```
fill="none"
```

```
stroke-linecap="round"
```

```
stroke-linejoin="round"
```

```
stroke-width="2"
```

```
viewBox="0 0 24 24"
```

```
stroke="currentColor"
```

```
>
```

```
<path
  d="M4 5a1 1 0 0 1 1-1h14a1 1 0 0 1 1v2a1 1 0 0 1 1H5a1 1 0 0 1 1-1V5zM4 13a1 1 0 0 1 1-1h6a1 1
0 0 1 1v6a1 1 0 0 1 1H5a1 1 0 0 1 1-1v-6zM16 13a1 1 0 0 1 1-1h2a1 1 0 0 1 1v6a1 1 0 0 1 1-1h-2a1 1 0 0 1 1-1v-
6z"

></path>
</svg>
<span class="ml-4">Sale</span>
</span>
<svg
  class="w-4 h-4"
  aria-hidden="true"
  fill="currentColor"
  viewBox="0 0 20 20"
>
  <path
    fill-rule="evenodd"
    d="M5.293 7.293a1 1 0 0 1 1 0 0 1 1.414 0L10 10.586l3.293-3.293a1 1 0 0 1 1 1 1.414 1.414l-4 4a1 1 0 0 1 1 0 0 1 1.414
0 1 0 1.414 1 0 0 1 1.414z"
    clip-rule="evenodd"
  ></path>
</svg>
</button>
<template x-if="isPagesMenuOpenSale">
  <ul
    x-transition:enter="transition-all ease-in-out duration-300"
    x-transition:enter-start="opacity-25 max-h-0"
    x-transition:enter-end="opacity-100 max-h-xl"
    x-transition:leave="transition-all ease-in-out duration-300"
    x-transition:leave-start="opacity-100 max-h-xl"
    x-transition:leave-end="opacity-0 max-h-0"
    class="p-2 mt-2 space-y-2 overflow-hidden text-sm font-medium text-gray-500 rounded-md shadow-
inner bg-gray-50 dark:text-gray-400 dark:bg-gray-900"
    aria-label="submenu"
  >
```

```

    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/add_sale">Add Sale</a>
    </li>
    <li
      class="px-2 py-1 transition-colors duration-150 hover:text-gray-800 dark:hover:text-gray-200"
    >
      <a class="w-full" href="/view_sale">View Sale</a>
    </li>
  </ul>
</template>
</li>

</ul>
</div>
</aside>
<!-- Mobile sidebar -->
<!-- Backdrop -->
<div
  x-show="isSideMenuOpen"
  x-transition:enter="transition ease-in-out duration-150"
  x-transition:enter-start="opacity-0"
  x-transition:enter-end="opacity-100"
  x-transition:leave="transition ease-in-out duration-150"
  x-transition:leave-start="opacity-100"
  x-transition:leave-end="opacity-0"
  class="fixed inset-0 z-10 flex items-end bg-black bg-opacity-50 sm:items-center sm:justify-center"
></div>
<div class="flex flex-col flex-1">
  <main class="h-full pb-16 overflow-y-auto">
    <div class="container px-6 mx-auto grid">
      <h2

```



```

class="my-6 text-2xl font-semibold text-gray-700 dark:text-gray-200"
>
View Sale
</h2>
<h4
class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
>
Fill the form
</h4>
<!-- General elements -->
<p id="temp" style="color:red"></p>
<form action="/view_sale" method="post" autocomplete="on">
<div
class="px-4 py-3 mb-8 bg-white rounded-lg shadow-md dark:bg-gray-800"
>
<label class="block text-sm">
<span class="text-gray-700 dark:text-gray-400">Start Date</span>
<input
class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
placeholder="Start Date" name="start_date" type="date" id="start" onfocusout="myFunction()"
/>
</label>
<label class="block text-sm">
<span class="text-gray-700 dark:text-gray-400">End Date</span>
<input
class="block w-full mt-1 text-sm dark:border-gray-600 dark:bg-gray-700 focus:border-purple-400
focus:outline-none focus:shadow-outline-purple dark:text-gray-300 dark:focus:shadow-outline-gray form-input"
placeholder="End Date" name="end_date" type="date" onfocusout="myFunction()" id="end"
/>
</label>
</br>

```

```

        <button type="submit" style="background-color: green;padding: 15px 32px;display: none;"
id="but">Filter</button>

    </form>

</div>

<h4

class="mb-4 text-lg font-semibold text-gray-600 dark:text-gray-300"
>
    Items
</h4>
<div class="w-full mb-8 overflow-hidden rounded-lg shadow-xs">
    <div class="w-full overflow-x-auto">
        <table class="w-full whitespace-no-wrap">
            <thead>
                <tr
                    class="text-xs font-semibold tracking-wide text-left text-gray-500 uppercase border-b dark:border-
gray-700 bg-gray-50 dark:text-gray-400 dark:bg-gray-800"
                >
                    <th class="px-4 py-3">Item ID</th>
                    <th class="px-4 py-3">Item Name</th>
                    <th class="px-4 py-3">Sold Quantity</th>
                    <th class="px-4 py-3">Amount</th>
                </tr>
            </thead>
            <tbody
                class="bg-white divide-y dark:divide-gray-700 dark:bg-gray-800"
            >
                {%for i in items%}
                <tr class="text-gray-700 dark:text-gray-400">
                    <td class="px-4 py-3 text-sm">
                        {{i["item_id"]}}
                    </td>
                    <td class="px-4 py-3 text-sm">
                        {{i["item_name"]}}
                    </td>

```

```

        <td class="px-4 py-3 text-sm">
            {{i["quantity"]}}
        </td>

        <td class="px-4 py-3 text-sm">
            {{i["amount"]}}
        </td>
    </tr>
    {%endfor%}
</tbody>
</table>
</div>
</div>
</main>
</div>
</div>
<script>
    x=0
    function myFunction(){
        if(x==0){
            x++;
            return
        }
        var st=document.getElementById("start").value;
        var en=document.getElementById("end").value;
        console.log(st)
        if(st>=en){
            document.getElementById("but").style.display="none";
            document.getElementById("temp").innerHTML="Start date should be before end date"
        }
        else{
            document.getElementById("temp").innerHTML=""
            document.getElementById("but").style.display="block";
        }
    }
}

```

```
</script>
</body>
</html>
```

App.py

```
from flask import *
from datetime import date
import ibm_db

app=Flask(__name__)

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-
9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURITY=SSL;PROTOCOL=
TCPIP;UID=mmv18931;PWD=Fk3vK5bxVH49RC3F", "", "")

print(conn)

print("Connecting Successful.....")

retailer_id=0

@app.route("/", methods=['GET','POST'])
def login():
    if request.method=='GET':
        return render_template("Login/index.html",status="",colour="red")
    elif request.method=='POST':
        global retailer_id
        email=request.form["email"]
        password=request.form["password"]
        query = "select * from retailers where email = '{}{}'".format(email)
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        if(row is not False):
            if(row['PASSWORD'] != password):
                return render_template("Login/index.html",status="Invalid Password",colour="red")
            else:
                temp="select RETAILER_ID from retailers where email = '{}{}'".format(email)
                exec_query = ibm_db.exec_immediate(conn, temp)
                dict= ibm_db.fetch_both(exec_query)
```

```

        retailer_id=dict["RETAILER_ID"]

        return render_template("Dashboard/index.html")

    return render_template("Login/index.html",status="Invalid Email",colour="red")

@app.route("/signup", methods=['GET','POST'])
def signup():

    if request.method=='GET':

        return render_template("Login/signup.html",status="",colour="red")
    elif request.method=='POST':

        email=request.form["email"]

        password=request.form["password"]

        first_name=request.form["first_name"]

        last_name=request.form["last_name"]

        store_name=request.form["store_name"]

        address=request.form["address"]

        phone_number=request.form["phone_number"]

        query = "select * from retailers where email = '{}'\{}".format(email)

        exec_query = ibm_db.exec_immediate(conn, query)

        row = ibm_db.fetch_both(exec_query)

        if(row is False):

            query = "insert into retailers(email, password, first_name, last_name, store_name, address, phone_number)
values('{}', '{}', '{}', '{}', '{}', '{}', '{}')\{}".format(email, password, first_name, last_name, store_name, address,
phone_number)

            exec_query = ibm_db.exec_immediate(conn, query)

            return render_template("Login/signup.html",status="Signup Success",colour="green")

        else:

            return render_template("Login/signup.html",status="User Already Exists",colour="red")

@app.route("/dashboard", methods=['GET','POST'])
def dashboard():

    if request.method=="GET":

        return render_template("Dashboard/index.html")

```

```

@app.route("/add_customer", methods=['GET','POST'])
def add_customer():
    if request.method=="GET":
        return render_template("Dashboard/add_customer.html")
    elif request.method=="POST":
        name=request.form["name"]
        id=int(request.form["id"])
        query = "select * from customer where customer_id = '{}'\{}".format(id)
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        if(row is False):
            query = "insert into customer(customer_id,retailer_id,customer_name) values('{}', '{}',
'{}')\{}".format(id,retailer_id,name)
            exec_query = ibm_db.exec_immediate(conn, query)
            return render_template("Dashboard/add_customer.html",status="Customer Added",colour="green")
        else:
            return render_template("Dashboard/add_customer.html",status="Customer Already Exists",colour="red")

@app.route("/view_customer", methods=['GET','POST'])
def view_customer():
    if request.method=="GET":
        query = "select * from customer"
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        name=[]
        id=[]
        while(row):
            name.append(row["CUSTOMER_NAME"])
            id.append(row["CUSTOMER_ID"])
            row = ibm_db.fetch_both(exec_query)
        return render_template("Dashboard/view_customer.html",name=name,id=id,len=len(name))

@app.route("/add_item", methods=['GET','POST'])
def add_item():
    if request.method=="GET":

```

```

        return render_template("Dashboard/add_item.html")
    elif request.method=="POST":
        name=request.form["name"]
        price=float(request.form["price"])
        query = "select * from items where item_name = '{}'\{}".format(name)
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        if(row is False):
            query = "insert into items(retailer_id,item_name,price,left_out) values('{}', '{}', '{}',
'{}')\{}".format(retailer_id,name,price,0)
            exec_query = ibm_db.exec_immediate(conn, query)
            return render_template("Dashboard/add_item.html",status="Item Added",colour="green")
        else:
            return render_template("Dashboard/add_item.html",status="Item Already Exists",colour="red")

@app.route("/view_item", methods=['GET','POST'])
def view_item():
    if request.method=="GET":
        query = "select * from items"
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        name=[]
        id=[]
        price=[]
        left_out=[]
        while(row):
            name.append(row["ITEM_NAME"])
            id.append(row["ITEM_ID"])
            price.append(row["PRICE"])
            left_out.append(row["LEFT_OUT"])
            row = ibm_db.fetch_both(exec_query)
        return
    render_template("Dashboard/view_item.html",name=name,id=id,price=price,left_out=left_out,len=len(name))

@app.route("/add_inventory", methods=['GET','POST'])

```

```

def add_inventory():
    name=[]
    query = "select * from items"
    exec_query = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_both(exec_query)
    while(row):
        name.append(row["ITEM_NAME"])
        row = ibm_db.fetch_both(exec_query)
    if request.method=="GET":
        return render_template("Dashboard/add_inventory.html",name=name,len=len(name),status=" ")
    elif request.method=="POST":
        fname=request.form["name"]
        quantity=request.form["quantity"]
        date=request.form["date"]

        # Finding ITEM ID
        query = "select item_id from items where item_name = '{}'"'.format(fname)
        exec_query = ibm_db.exec_immediate(conn, query)
        row = ibm_db.fetch_both(exec_query)
        id=row["ITEM_ID"]
        # INSERTION
        query = "insert into inventory(item_id,quantity,stock_date) values('{}', '{}', '{}'"'.format(id,quantity,date)
        exec_query = ibm_db.exec_immediate(conn, query)
        #UPDATION
        query = "update items set left_out=left_out+{}' where item_id={}'"'.format(quantity,id)
        exec_query = ibm_db.exec_immediate(conn, query)
        return render_template("Dashboard/add_inventory.html",name=name,len=len(name),status="Inventory
added")

@app.route("/view_inventory", methods=['GET','POST'])
def view_inventory():
    name=[]
    query = "select * from items"
    exec_query = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_both(exec_query)

```



```

while(row):
    name.append(row["ITEM_NAME"])
    row = ibm_db.fetch_both(exec_query)
items=list()
if request.method=="GET":
    return render_template("Dashboard/view_inventory.html",name=name,items=items)
elif request.method=="POST":
    item_name=request.form["name"]
    start=request.form["start_date"]
    end=request.form["end_date"]
    query = "select item_id from items where item_name = '{}'\".format(item_name)
    exec_query = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_both(exec_query)
    id=row["ITEM_ID"]
    query = "select stock_date,quantity from inventory where item_id='{}' and stock_date<='{}' and
stock_date>='{}'\".format(id,end,start)
    exec_query = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_both(exec_query)
    while(row):
        items.append({"item_name":item_name,"quantity":row[1],"stock_date":row[0]})
        row = ibm_db.fetch_both(exec_query)
    return render_template("Dashboard/view_inventory.html",name=name,items=items)

@app.route("/add_sale", methods=['GET','POST'])
def add_sale():
    # ITEMS
    items=list()
    query = "select * from items"
    exec_query = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_both(exec_query)
    while(row):
        items.append({"name": row["ITEM_NAME"], "quantity": row["LEFT_OUT"], "price": row["PRICE"]})
        row = ibm_db.fetch_both(exec_query)
    # CUSTOMERS
    custname=[]

```

```

query = "select * from customer"

exec_query = ibm_db.exec_immediate(conn, query)

row = ibm_db.fetch_both(exec_query)

while(row):

    custname.append(row["CUSTOMER_NAME"])

    row = ibm_db.fetch_both(exec_query)

if request.method=="GET":

    return

render_template("Dashboard/add_sale.html",items=items,cname=custname,clen=len(custname),status="")

elif request.method=="POST":

    i_array=request.form["item_array"]

    q_array=request.form["quantity_array"]

    item_list=i_array.split(",")

    quantity_list=q_array.split(",")

    cname=request.form["cname"]

    today = date.today()

    # FINDING CUSTOMER ID

    query = "select customer_id from customer where customer_name = '{}'\{}".format(cname)

    exec_query = ibm_db.exec_immediate(conn, query)

    row = ibm_db.fetch_both(exec_query)

    id=row["CUSTOMER_ID"]

    #SALE TABLE

    query = "insert into sale(sale_date,customer_id) values('{}', '{}')\{}".format(today,id)

    exec_query = ibm_db.exec_immediate(conn, query)

    #GET SALE ID

    query = "select sale_id from sale where sale_date = '{}\' and customer_id='{}\'"format(today,id)

    exec_query = ibm_db.exec_immediate(conn, query)

    row = ibm_db.fetch_both(exec_query)

    sale_id=row["SALE_ID"]

    #SALE ITEM TABLE

    n=len(item_list)

    for i in range(n):

        query = "select item_id from items where item_name = '{}'\{}".format(item_list[i])

        exec_query = ibm_db.exec_immediate(conn, query)

```

```

row = ibm_db.fetch_both(exec_query)

item_id=row["ITEM_ID"]

#UPDATION

query = "update items set left_out=left_out-'\{'\}' where item_id='\{'\}'".format(quantity_list[i],item_id)

exec_query = ibm_db.exec_immediate(conn, query)

# INSERTION

query = "insert into sale_items(sale_id,quantity,item_id) values('\{'\}', '\{'\}', '\{'\}')"
.format(sale_id,quantity_list[i],item_id)

exec_query = ibm_db.exec_immediate(conn, query)

return

render_template("Dashboard/add_sale.html",items=items,cname=custname,clen=len(custname),status="Sale
Success")

@app.route("/view_sale", methods=['GET','POST'])
def view_sale():

    items=list()

    if request.method=="GET":

        return render_template("Dashboard/view_sale.html",items=items)

    elif request.method=="POST":

        start=request.form["start_date"]

        end=request.form["end_date"]

        query = "select item_id,sum(quantity) from sale_items where sale_id in (select sale_id from sale where
sale_date<= '\{'\}' and sale_date>='\{'\}') group by(item_id)".format(end,start)

        exec_query = ibm_db.exec_immediate(conn, query)

        row = ibm_db.fetch_both(exec_query)

        while(row):

            query = "select item_name,price from items where item_id='\{'\}'".format(row[0])

            exec_query1 = ibm_db.exec_immediate(conn, query)

            row1 = ibm_db.fetch_both(exec_query1)

            items.append({"item_id":row[0],"item_name":row1[0],"quantity":row[1],"amount":(row1[1]*row[1])})

            row = ibm_db.fetch_both(exec_query)

        # Item Name and Price

        return render_template("Dashboard/view_sale.html",items=items)

if __name__=="__main__":

```

```
app.run(host='0.0.0.0',debug=True)
```

Dockerfile:

```
FROM python:3.10.4
```

```
WORKDIR /app
```

```
COPY requirements.txt ./
```

```
RUN pip install -r requirements.txt
```

```
COPY . .
```

```
EXPOSE 5000
```

```
CMD ["python","./app.py"]
```

Requirements.txt

flask

ibm_db

GitHub & Project Demo Link :

1. [GitHub](#)
2. [Project_Demo](#)