

**Final Deliverable**  
**Project Report**

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

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# **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:**

Utilizing manual inventory techniques to keep track of your stock will result in tonnes of confusion and is also considered to be one of the main inventory management problems. Customers are unable to order new products with a projecting inefficiency when they are unable to trace the precise position of the product stock and receive no update on whether the product has been delivered or not. This update gap is also primarily caused by the use of quick processes like multiple order tracking and the requirement for real-time inventory information.

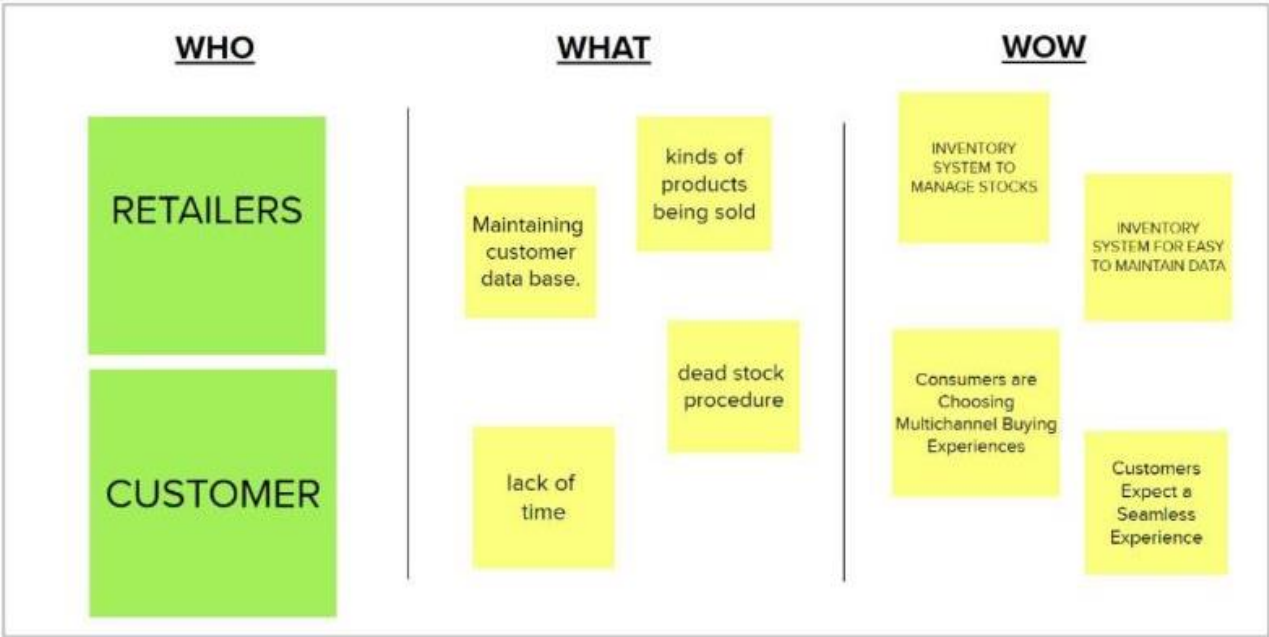
### **2.2 References:**

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

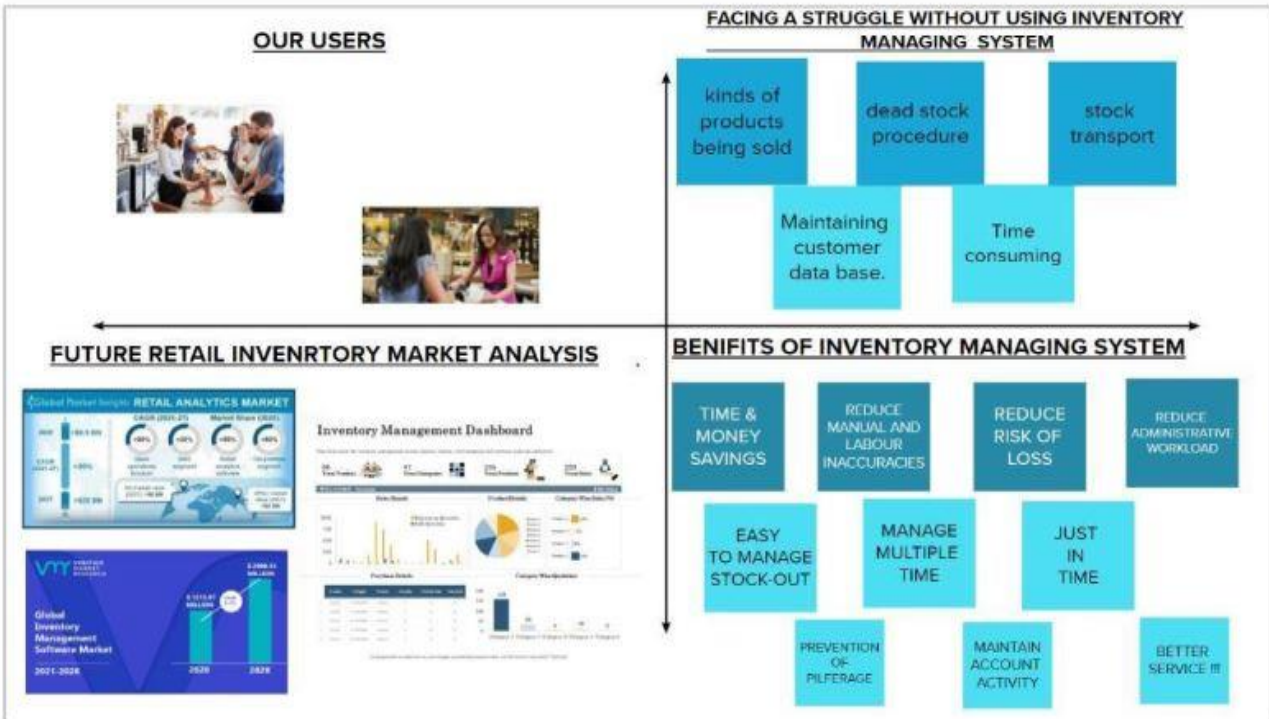
### **2.3 Problem Statement Definition :**

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 conditions, overconfidence hurts the retailer's revenue to a large extent. Therefore, it is beneficial for the overconfident retailer to adjust its order quantity according to our research findings. We propose an intertemporal inventory decision model under demand uncertainty and retail competition. 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 optimal decisions are derived under each contract, and all members' preferences regarding the two contracts are investigated. The results show that there exist some situations in which the supply chain members prefer the same contract, and they can reach an agreement on the contract selection. We also find that the intertemporal inventory discriminately 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.

## Problem Statement/User Scenario

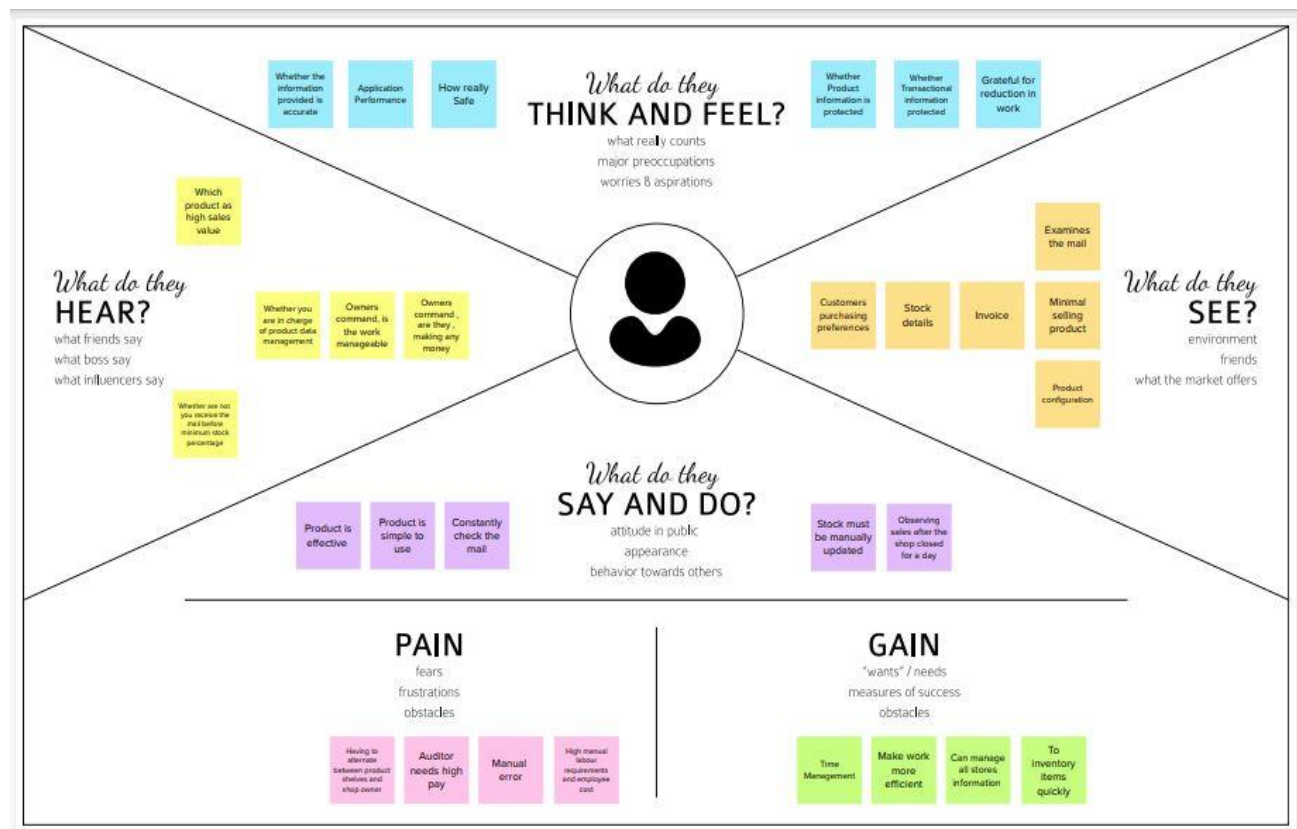


## IDENTIFY PERSON



### 3. IDEATION & PROPOSED SOLUTION

#### 3.1 Empathy Map Canvas :



## 3.2 Ideation & Brainstorming :

2

### Brainstorm

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

🕒 10 minutes

#### VENNILLA

Analytics	Move to another tab when it reaches the minimum limit	tracking data
Automate Reorders	When necessary, management will receive an alert to ensure that the inventory level is not too low and to avoid reordering	Making software responsive for mobile and desktop view
Accurate inventory reports	When a warehouse or other location is changed, product, bring new inventory to the warehouse for it	

#### SANJEEV

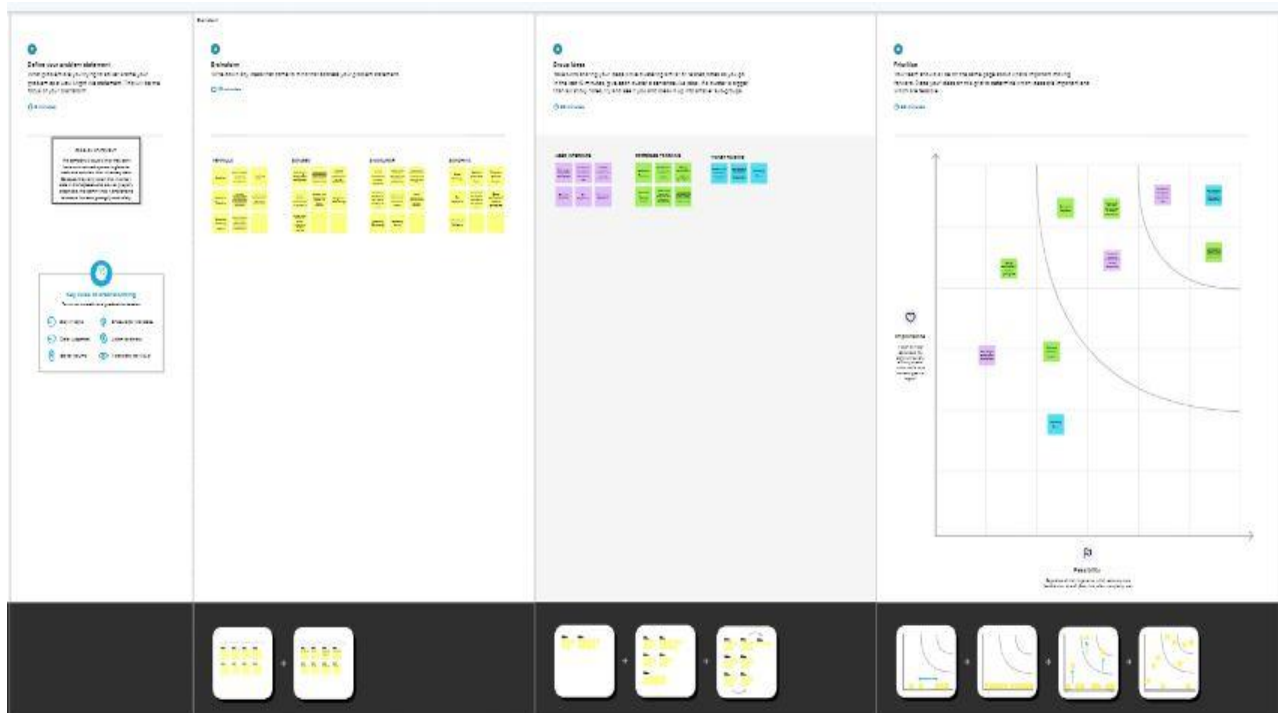
Add tags for product descriptions	Introduce an automated order process with updates that makes reordering easier and faster	Introduce integrated dashboards with real-time inventory data
Create inventory classifications to categorize	Document daily deliveries and shipments to update inventory	Progress Monitoring
Automation for eliminating manual processes of business functions		

#### SIVAKUMAR

product location scanning and barcode technology	Product to bring details and monitoring with logical representation	Ordering the stock according to availability by analyzing stock data
Responsive Software for both mobile and desktop view	Complaint can be raised for the defective product	Invoice generation for the ordered and delivered purchase
Inventory Barcoding	Inventory Alerts	

#### SANDHIYA

Stock Auditing	Analyze profit and loss	Measure Service Levels
Go Paperless	Responsive Software for both mobile and desktop view	Giving notification if stock is getting low
Interactive Software		



### 3.3 Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"><li>• The retailers generally facing issues in recording the stocks and its threshold limit available.</li><li>• The customers are not satisfied with the retailers store since it doesn't have enough supplements and the deliveries were not made on time.</li></ul>
2.	Idea / Solution description	<p>Hereby we can provide a robust and most reliable inventory management system by using</p> <ul style="list-style-type: none"><li>• The product availability is tracked daily and an alert system is again kept on to indicate those products which falls below the threshold limit.</li><li>• 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.</li><li>• 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.</li></ul>



3.	Novelty / Uniqueness	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.
4.	Social Impact / Customer Satisfaction	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.

5.	Business Model (Revenue Model)	<p>Hereby we can provide a robust and most reliable inventory management system by using:</p> <ul style="list-style-type: none"> <li>• ML algorithms for all the prediction purposes using all the past dataset since datasets are undoubtedly available in huge amounts.</li> <li>• Can deploy the most appropriate business advertising models.</li> <li>• To establish a loss preventing strategy.</li> <li>• And to ensure the all time, any where availability of products system.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Implementation of anyone and anywhere using system can be helpful for even a commoner to buy the products.</li> <li>• Daily and Each time purchase updation of the stock for preventing inventory shrinkage.</li> </ul>

### 3.4 Problem Solution fit:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Who is your customer? Product sellers ,retailers and vendors are our customers	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> What constraints prevent your customers from taking action or limit their choices of solutions? Limitations on raw resources, equipment capacity, worker capacity, inventory investment, storage space, or the total amount of orders submitted are just a few examples of restrictions	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? Your inventory database should include photographs alongside product descriptions to optimise the ordering and receiving procedures, increase accuracy, and prevent lost goods.	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides. Provide workers with the appropriate inventory tools for the job. Software is required to replace manual inventory tracking, and purchase orders and invoices must be processed without the use of paper.	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> What is the real reason that this problem exists? What is the back story behind the need to do this job? Error in forecasting demand - Organizations overestimate demand in anticipation of it, and if the order is not received as predicted, it results in SMI. This is done to increase responsiveness to client demand in a competitive market.	<b>7. BEHAVIOUR</b> <span>BE</span> What does your customer do to address the problem and get the job done? The success of small and medium-sized businesses depends on customer happiness. Even if innovation is crucial, the fight for higher customer happiness frequently overlooks the importance of doing the fundamentals well. A customer who experiences difficulty with the ordering procedure, cannot obtain the inventory they require, or consistently receives product late is likely to be dissatisfied and searching for a new supplier. To stop this, we must communicate with customers and solicit their opinions.	
Identify strong TR & EM	<b>3. TRIGGERS</b> <span>TR</span> What triggers customers to act? Ultimately, responsibility for managing your business inventory sits with you and any co-owners. While you may have multiple employees acting as managers to oversee inventory processes, they typically will not have the same stake in the business as you do.	<b>10. YOUR SOLUTION</b> <span>SL</span> Your inventory management system's goal is to make it as simple and effective as possible for you to keep track of your stock. Because of this, you must ensure that any potential system has all the tools necessary for managing your inventory. We'll break down each component of a top-notch inventory management system so you can compare it to any other system you're thinking about using.	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> <b>8.1 ONLINE</b> What kind of actions do customers take online? Extract online channels from #7. They can submit a ticket regarding the problem they are having online. <b>8.2 OFFLINE</b> What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development. They can directly report about their problems to management.	Extract online & offline CH of BE
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> How do customers feel when they face a problem or a job and afterwards? Prior to the inventory, they were unable to manage the entire data set in an orderly and accurate manner.			

## 4.REQUIREMENT ANALYSIS

### 4.1 Functional Requirement:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form
FR-2	User Confirmation	Confirmation via Email
FR-3	Dashboard	The System should maintain tracking of sales of products and inventory levels
FR-4	Support	Providing answers for the queries asked by users.
FR-5	Updates	The System provides weekly/monthly selling trends details by analysing past data
FR-6	Notification	Notification will be sent for the users about stock status
Fr-7	Database	Information of the Stocks will be stored

### 4.2 Non-Functional Requirement:

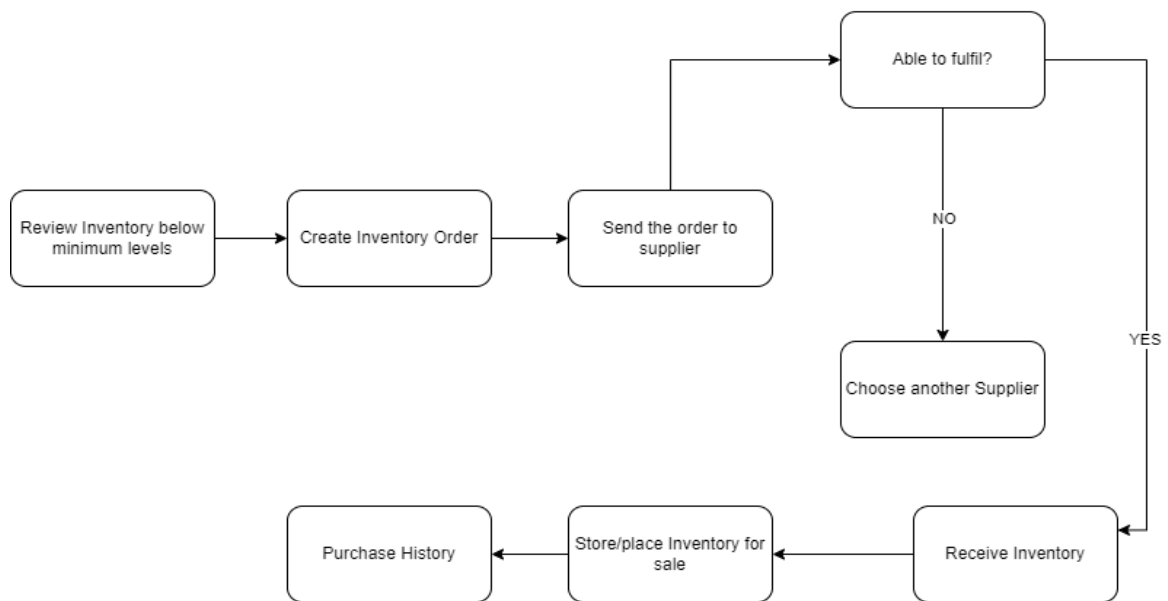
Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	It can use by wide variety of client as it is very simple to learn and not complex to proceed.
NFR-2	<b>Security</b>	We are using login for the user and the information will be hashed so that it will be very secure to use.
NFR-3	<b>Reliability</b>	It will be reliable that it can update with very time period so that the accuracy will be good.
NFR-4	<b>Performance</b>	It will be perform fast and secure even at the lower bandwidth.
NFR-5	<b>Availability</b>	Prediction will be available for every user but only for premium user news,database and price alert will be alert.
NFR-6	<b>Scalability</b>	It is scalable that we are going to use data in kb so that the quite amount of storage is satisfied.

## 5.PROJECT DESIGN

### 5.1 Data Flow Diagrams:

#### DATA FLOW DIAGRAM



## 5.2 Solution & Technical Architecture:

Technical architecture involves the development of a technical blueprint regarding the arrangement, interaction, and interdependence of all elements so that system-relevant requirements are met.

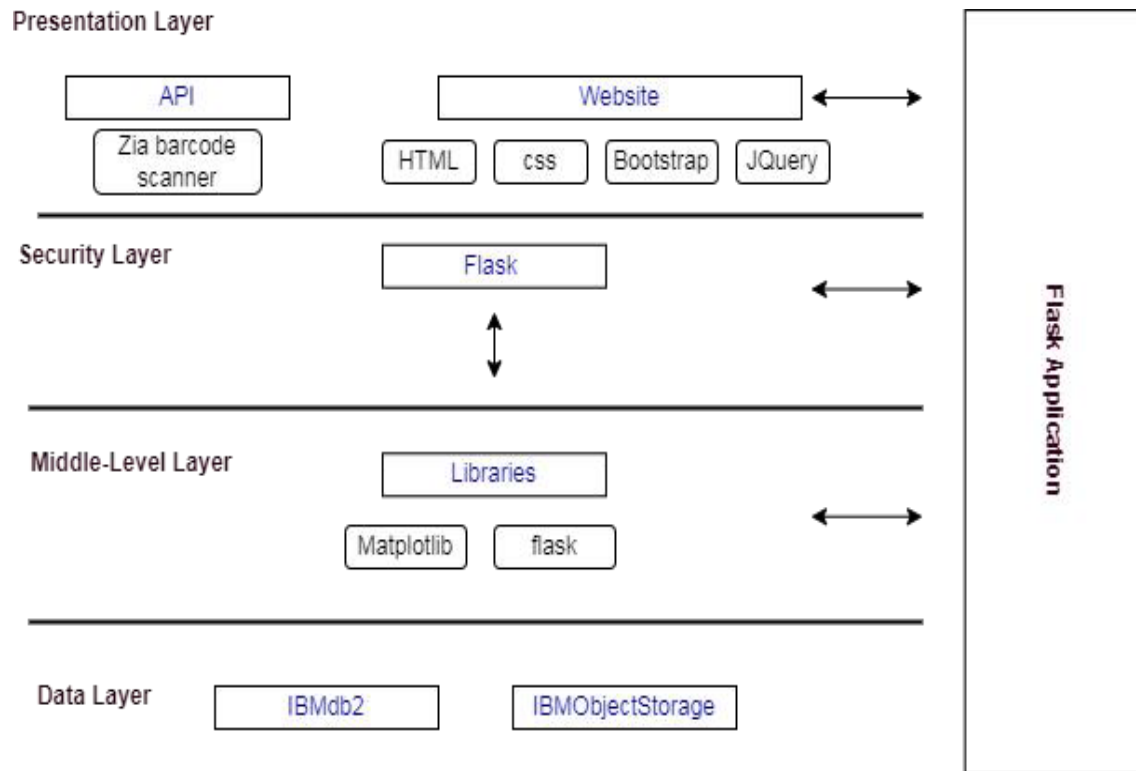


Table-1 : Components & Technologies:

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 Mat plot 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

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open- Source Framework s	Styling our page,Python flaskmicroframework	Python Flask, Bootstrap
2.	Security Implementatio ns	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
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	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-3
		USN-4	As a user, I can register for the application through Gmail	I can register for the application through Gmail	Medium	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email & password	I can log in by entering Gmail & password	High	Sprint-1
	Dashboard	USN-6	As a user, I can track data of sales of products and inventory levels	I can track data of sales of products and inventory levels.	High	Sprint-1
Customer (Web user)	Registration	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1



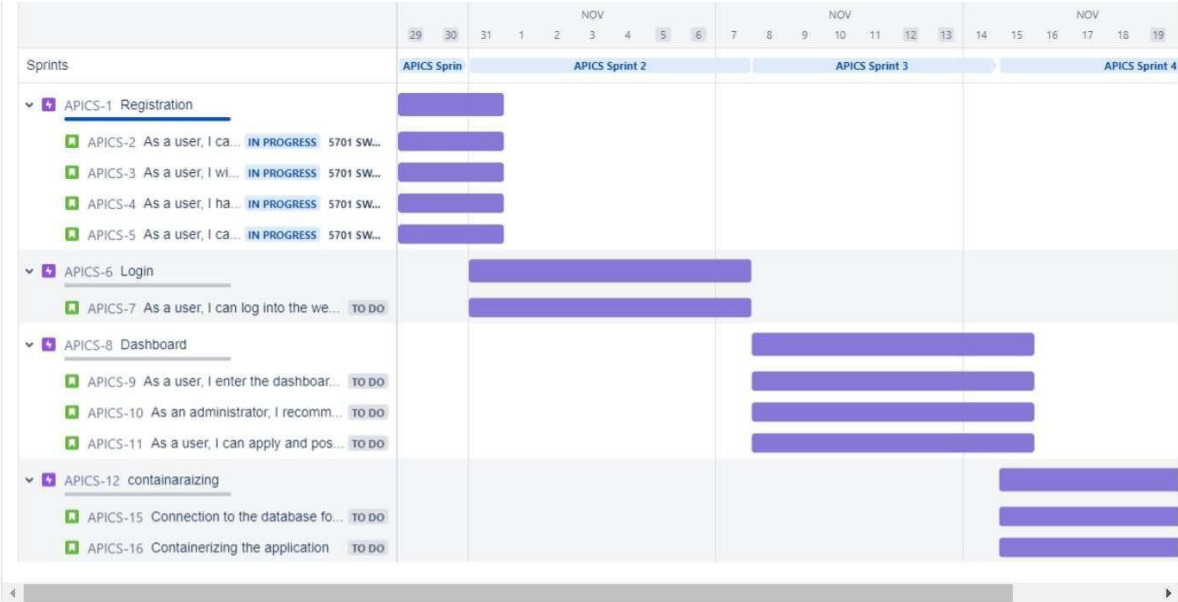
		USN-8	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-9	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-3
		USN-10	As a user, I can register for the application through Gmail	I can register for the application through Gmail	Medium	Sprint-2
	Login	USN-11	As a user, I can log into the application by entering email & password	I can log in by entering Gmail & password	High	Sprint-1
	Dashboard	USN-12	As a user, I can track data of sales of products and inventory levels	I can track data of sales of products and inventory levels.	High	Sprint-1
Customer Care Executive	Support	USN-13	As a Executive, I Provide answers for the queries asked by users.	I provide the answers for the queries asked by the users.	High	Sprint-1
Administrator	Manage the Stocks	USN-14	As a administrator, I manage the stocks by adding, shipping and storing the stocks in the storage units	I manage the stocks by adding, shipping and storing the stocks in the storage units.	High	Sprint-1
	Control all the users	USN-15	As a administrator, I can control all the users by performing basic CRUD operations.	I can control all the users by performing basic CRUD operations	High	Sprint-1
	Access the database	USN-16	As a administrator, I can control and access the database	I can control and access the database.	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 for customer	USN-1	As a user, I can register for the application by entering my email, and password, and confirming my password.	3	High	1. VENNILA M 2. SIVAKUMAR N 3. SANDHIYA P 4. SANJEEV B
Sprint-1	Confirmation	USN-2	As a user, I can receive my confirmation email once I have registered for the application	3	High	1. VENNILA M 2. SIVAKUMAR N 3. SANDHIYA P 4. SANJEEV B
Sprint-1	Login	USN-3	As a user, I can log in to the authorized account by entering the registered email and password	2	High	1. VENNILA M 2. SIVAKUMAR N 3. SANDHIYA P 4. SANJEEV B
Sprint-1	Dashboard	USN-4	As a user, I can view my account details	3	High	1. VENNILA M 2. SIVAKUMAR N 3. SANDHIYA P 4. SANJEEV B
Sprint-2	Product add to cart & order confirmation	USN-5	As a user, I can view the available products and purchase it	1	High	1. VENNILA M 2. SIVAKUMAR N 3. SANDHIYA P 4. SANJEEV B

### 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).

## **6. 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`, CORS sends an HTTP precheck request to see if your API service will accept client-side requests from the client's domain.

## **7. 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 `jsonwebtoken`. For more information about JWT and the libraries that support it in every language, check out [JWT.io](https://jwt.io).

## **8. 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.

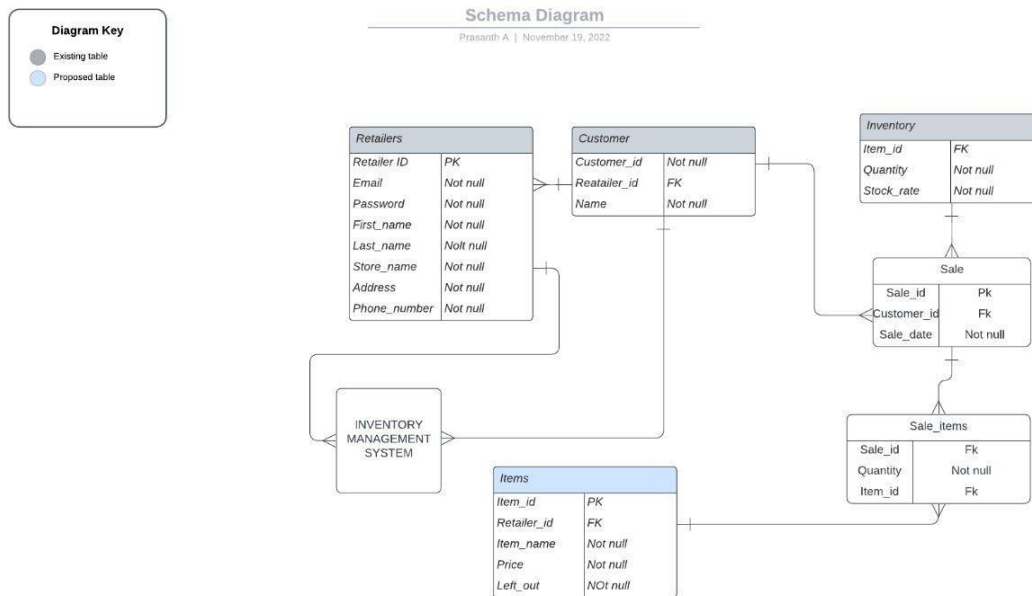
### **5.Service:**

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.

## 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

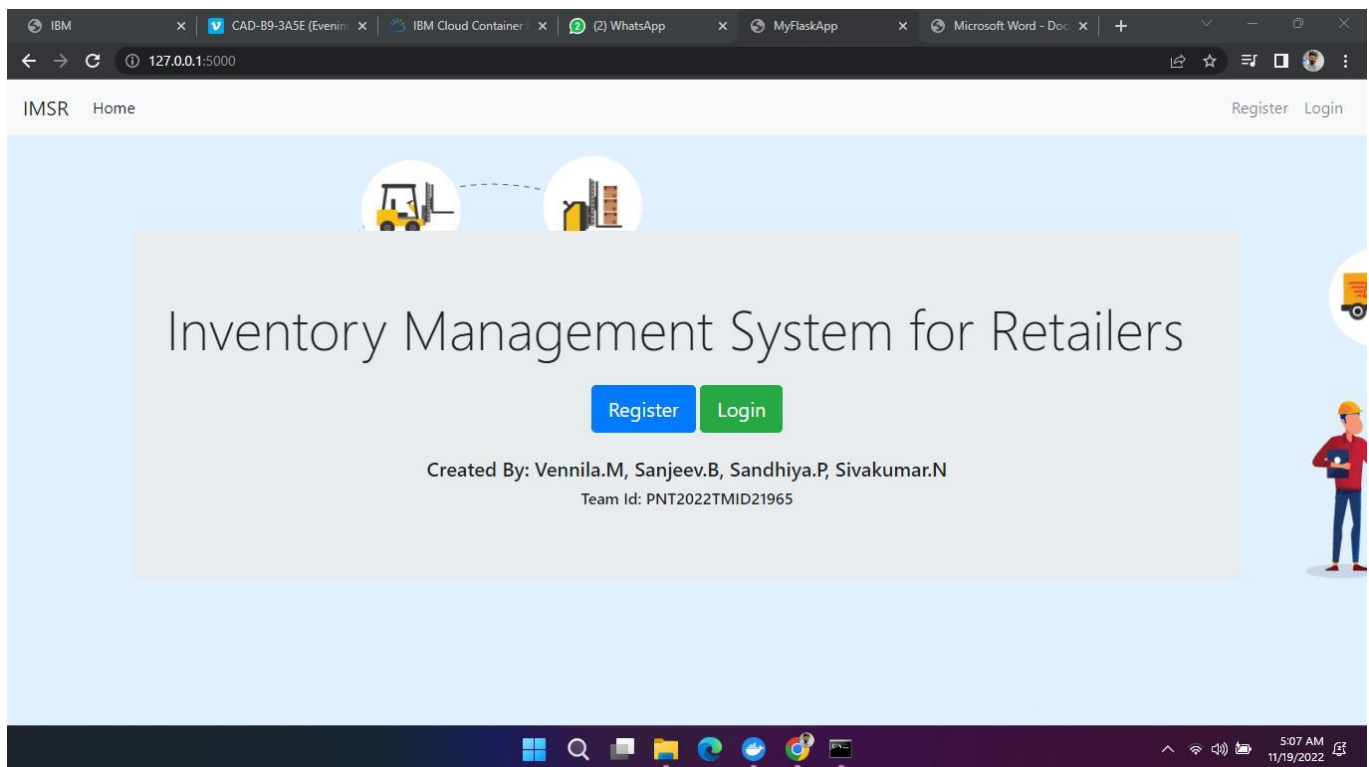
This report shows the number of test cases that have passed,failed, and untested

## 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.

### HOME PAGE:





# REGISTER PAGE

IBM

MyFlaskApp

+

← → ↺

127.0.0.1:5000/register

🔍

🔖

👤

⋮

IMSR Home Register Login

## Register

Name

Vennila

Email

vennilam403@gmail.com

Username

vennila

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*\*

Submit

🏠 🔍 📁 📁 🌐 ☁️ 🌐 🖥️ 🖱️

5:09 AM  
11/19/2022

# LOGIN PAGE

IBM

MyFlaskApp

+

← → ↺

127.0.0.1:5000/login

🔍

🔖

👤

⋮

IMSR Home Register Login

You are now registered and can log in

## Login

Username

Vennila

Password

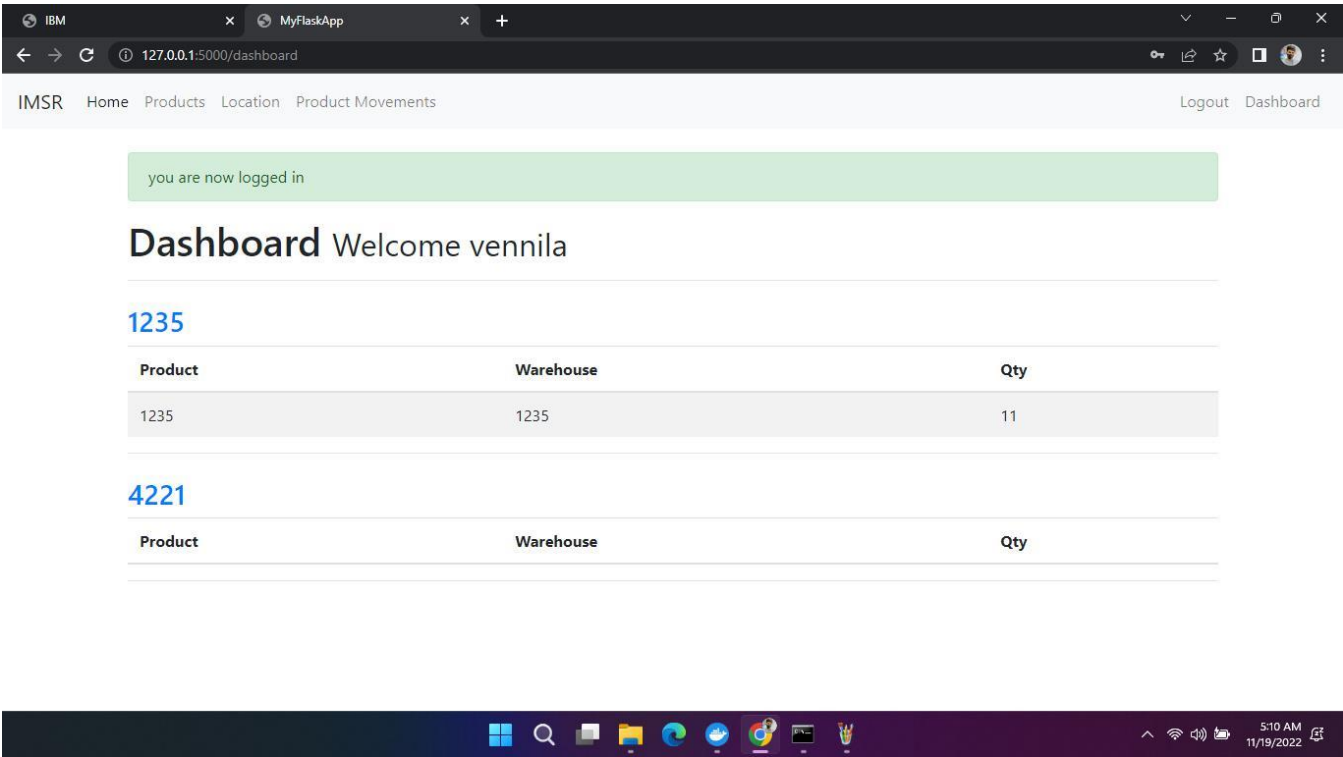
\*\*\*\*\*

Submit

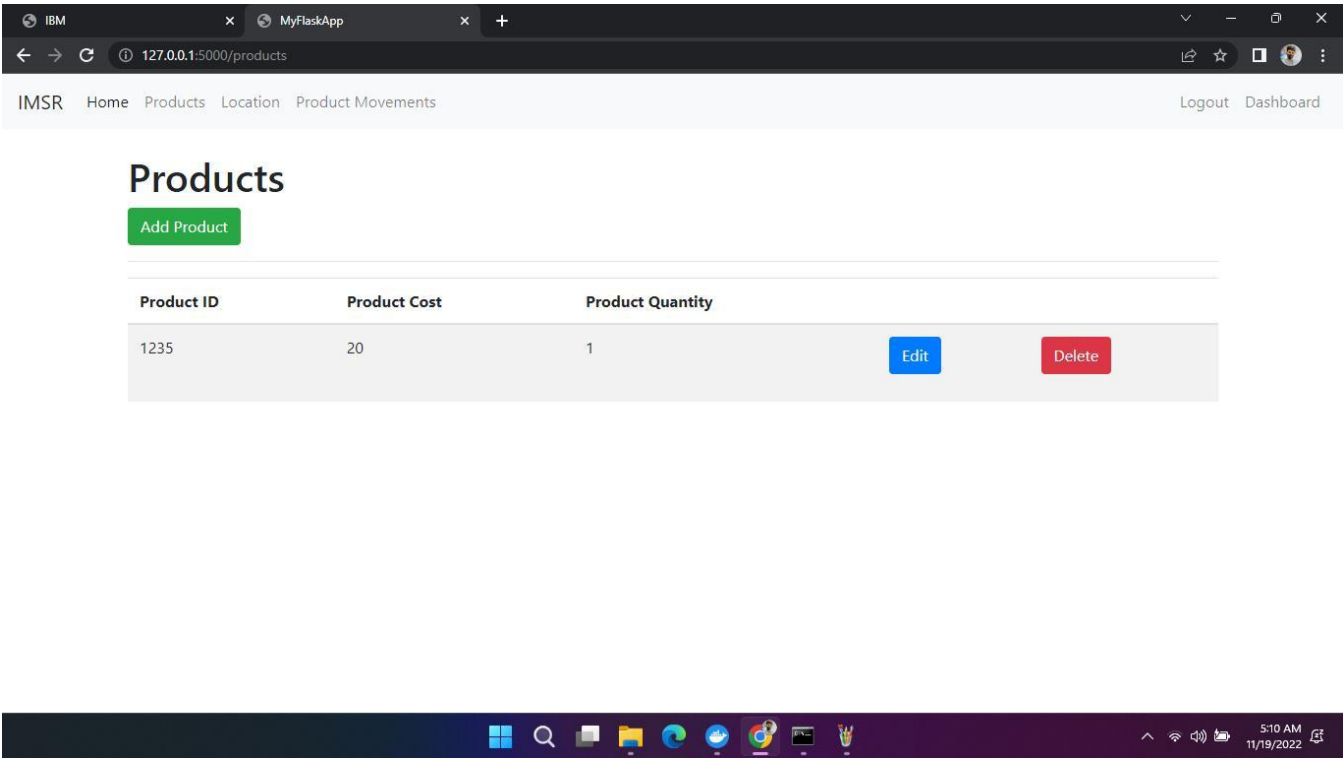
🏠 🔍 📁 📁 🌐 ☁️ 🌐 🖥️ 🖱️

5:09 AM  
11/19/2022

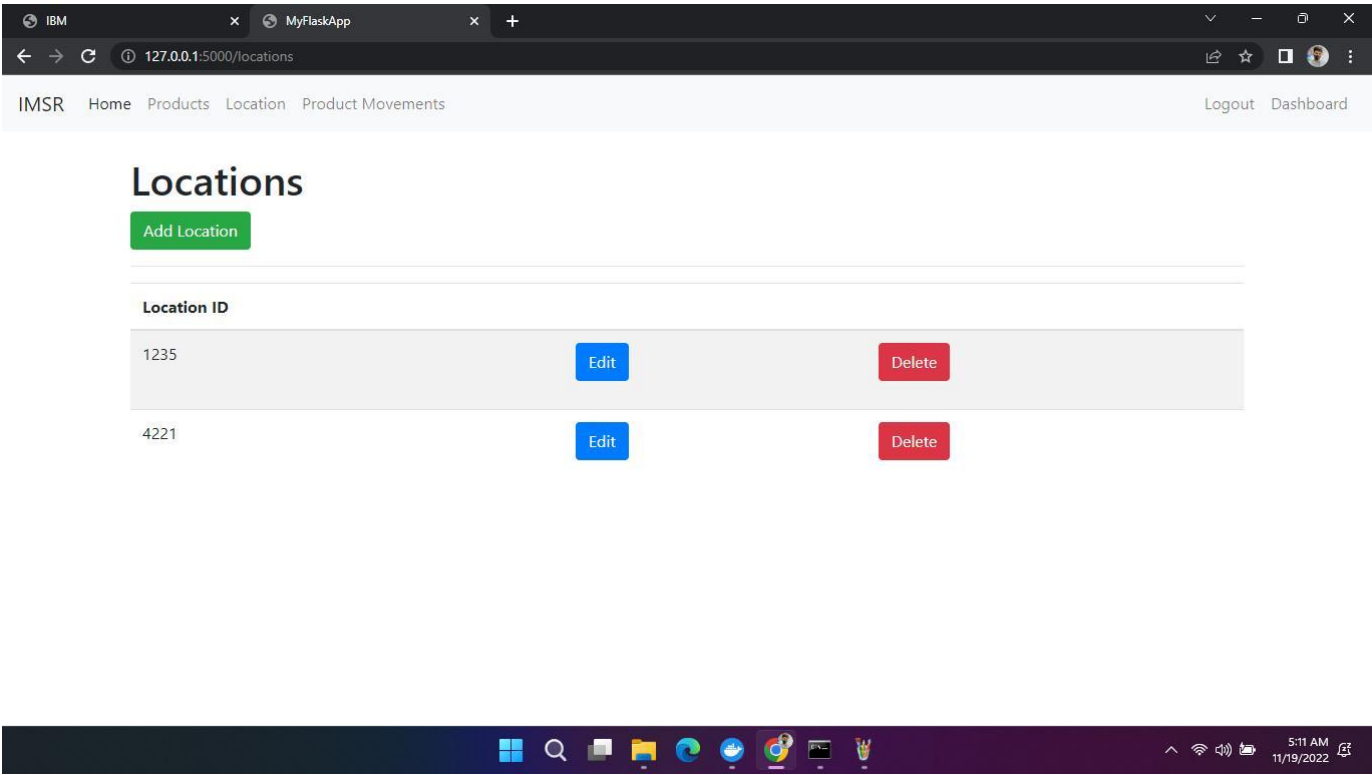
# DASHBOARD



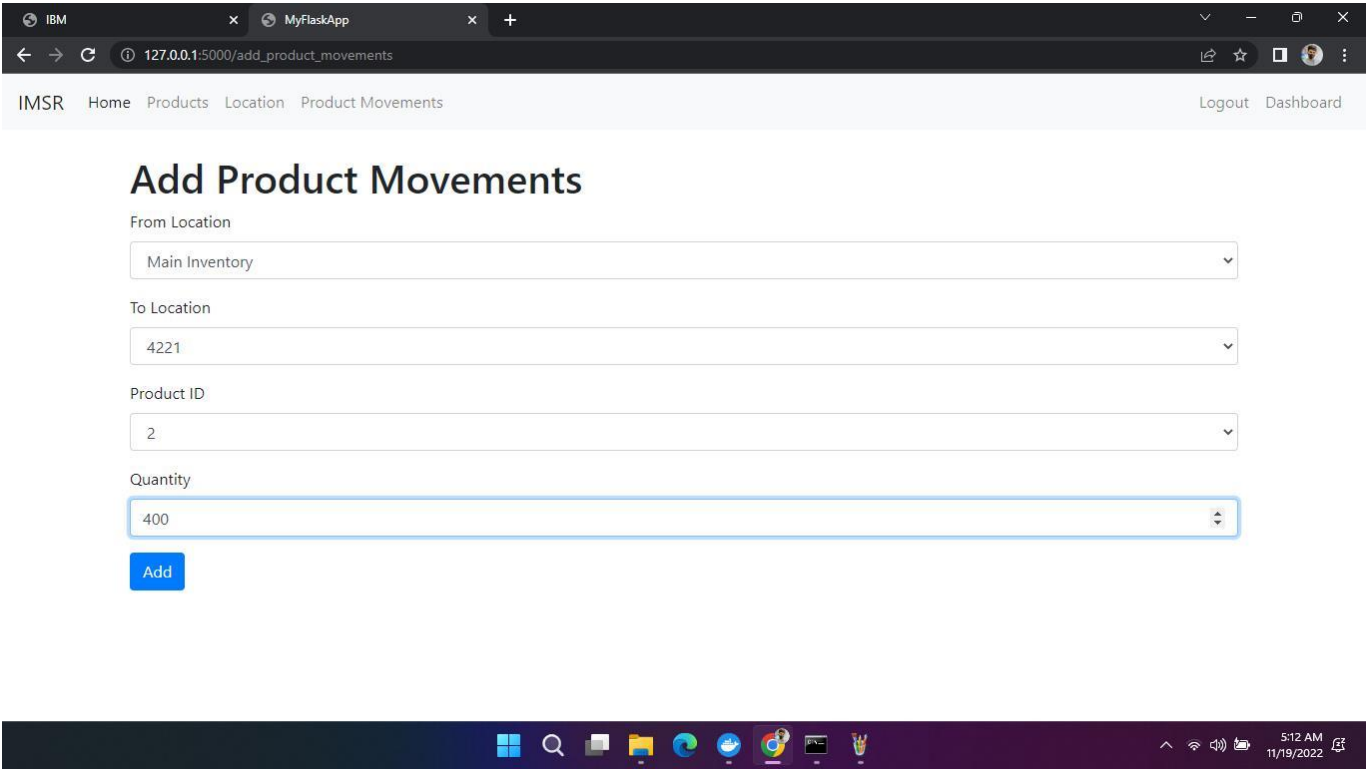
# PRODUCTS PAGE



# LOCATION PAGE



# ADD PRODUCTS PAGE



## 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 a 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">

```
<a href="/signup"><span>SignUp</span></a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</i>
```

```
</div>
```

```
</body>
```

```
</html>
```

Signup.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>Create your Account</h2>
```

```
</br>
```

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

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

```
<label>
```

<span>Email</span>

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

</label>

<label>

<span>First Name</span>

<input type="text" name="first\_name" required/>

</label>

<label>

<span>Last Name</span>

```
<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>

</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://cdnjs.cloudflare.com/ajax/libs/Chart.js/2.9.3/Chart.min.css"

/>

<script src="https://cdnjs.cloudflare.com/ajax/libs/Chart.js/2.9.3/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 1h3m10-11l2 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">
```

```
<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 0 011-1h14a1 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">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 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 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>

<br>

<br>

<br>

<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 <b>“out of stock”.</b>

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 1h3m10-11l2 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">

<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 0 011-1h14a1 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">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 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 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 1h3m10-11l2 2m-2-2v10a1 1 0 01 1 1h-
    3m-6 0a1 1
```

```
    0 001-1v-4a1 1 0 01 1-1h2a1 1 0 01 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">

<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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0
0 1 1h-2a1 1 0 0 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 1.414 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="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 0 011-1h14a1 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">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"
>
```

&lt;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>

$$\langle \text{svg} \rangle$$

**Sale**

&lt;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>

&lt;/button&gt;

&lt;template x-if="isPagesMenuOpenSale"&gt;

<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">

```
<span class="text-gray-700 dark:text-gray-400">Item Name</span>
<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&displ
ay=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 01 1-1h2a1 1 0 01 1v4a1 1 0 01 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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0
0 1 1h-2a1 1 0 0 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 1.414 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">

<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 0 011-1h14a1 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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0
0 1 1h-2a1 1 0 0 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 1.414 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="isPagesMenuOpenInventory">
```

```
<ul
```



x-transition:enter="transition-all start="opacity-25 max-h-0"	ease-in-out	duration-300"	x-transition:enter-
x-transition:enter-end="opacity-100	max-h-xl"		
x-transition:leave="transition-all start="opacity-100 max-h-xl"	ease-in-out	duration-300"	x-transition:leave-

```
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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0 0 1 1h-2a1 1 0 0 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 1.414 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="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&displ
ay=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 1h3m-6 0a1 1

0 001-1v-4a1 1 0 01 1h2a1 1 0 01 1v4a1 1 0 01 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 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 0 011-1h14a1 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">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">

<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 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">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;
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]){

```

y=y+1;

```

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

</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 1h3m-6 0a1 1

0 001-1v-4a1 1 0 01 1h2a1 1 0 01 1v4a1 1 0 01 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 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 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 0 011-1h14a1 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 0 011-1h14a1 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">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 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 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 1.414 0L10 10.586l3.293-3.293a1 1 0 0 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="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" />
```

```

<title>Inventory Management - Forms</title>

<link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700;800&displ
ay=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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0
0 1 1h-2a1 1 0 0 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 1.414 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 1.414z"
```

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

```
></path>
```

```
</svg>
```

```
</button>
```

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

```
<ul
```

x-transition:enter="transition-all start="opacity-25 max-h-0"	ease-in-out	duration-300"	x-transition:enter-
x-transition:enter-end="opacity-100	max-h-xl"		
x-transition:leave="transition-all start="opacity-100 max-h-xl"	ease-in-out	duration-300"	x-transition:leave-

```
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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0 0 1 1h-2a1 1 0 0 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 1.414 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 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 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 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0
0 1 1h-2a1 1 0 0 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 1.414 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="isPagesMenuOpenInventory">
```

```
<ul
```

x-transition:enter="transition-all start="opacity-25 max-h-0"	ease-in-out	duration-300"	x-transition:enter-
x-transition:enter-end="opacity-100	max-h-xl"		
x-transition:leave="transition-all start="opacity-100 max-h-xl"	ease-in-out	duration-300"	x-transition:leave-

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 1V5zM4 13a1 1 0 0 1 1h6a1 1

0 0 1 1v6a1 1 0 0 1 1H5a1 1 0 0 1 1v-6zM16 13a1 1 0 0 1 1h2a1 1 0 0 1 1v6a1 1 0 0 1 1h-2a1 1 0 0 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 1.414 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="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">

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

<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">

<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" 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">

{ {i["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&displ  
ay=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 1h3m-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 01-1h14a1 1 0 01 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 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="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 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 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 1.414 0L10 10.586l3.293-3.293a1 1 0 0 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="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 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>
```

```

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="I
nventory 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(cust
name),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(cust
name),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":(row
1[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](#)