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Emp no:11996

Micro Project-Inventory Management System

Case Study 11: Inventory Management System

An inventory management system helps you efficiently track, organize and manage your inventory. It provides tools and functionalities to streamline inventory processes, such as inventory tracking, stock control, order

management and reporting.

- 1 Dashboard
- 2.Inventory tracking
- 3.Inventory Forecasting
- 4. Stock alert automations and notifications
- 5.Order management

Other Document Link:

1.W3H Analysis: <u>Inventory management w3H Analysis</u>

2.UML Diagram: UMI Diagram

3.DB Diagram: Db Diagram

4. Wireframes: Wireframes

5.Backend Repo: <u>Backend Repository</u>

6.Front End Repo: Frontend repository

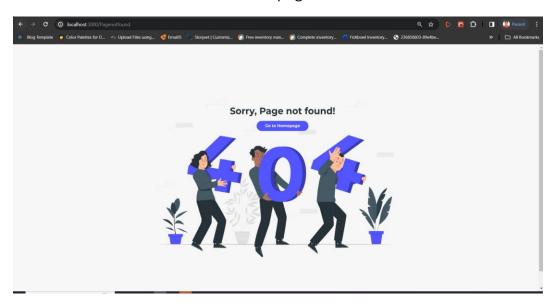
7.Sonar Report: Code Quality Report

8. Manual Testing: Manual Testing

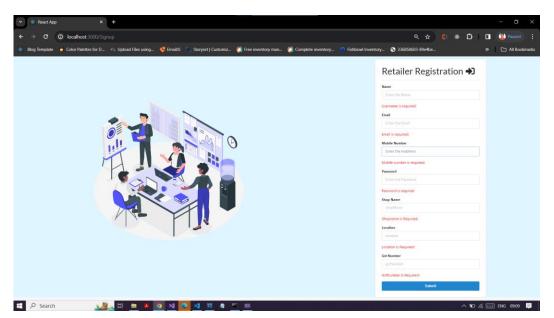
9.CI CD Pipeline: CI CD Pipeline Project

Final Output:

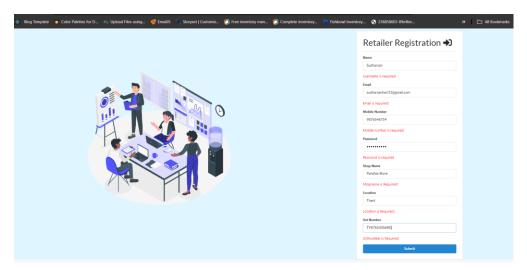
1. Unauthorized User Access the webpage:



2. Retailer Registration Page Validation:



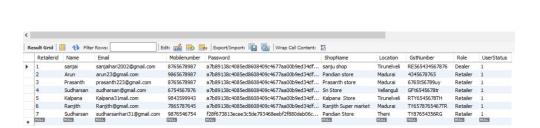
3. Retailer registration:



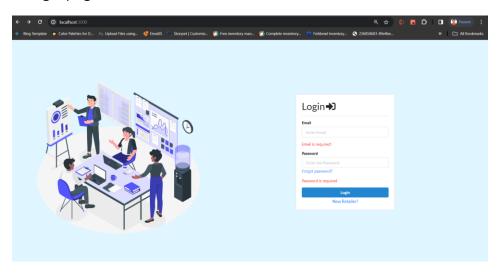
Store in the database:

SELECT * FROM inventorymanagement.retailer;

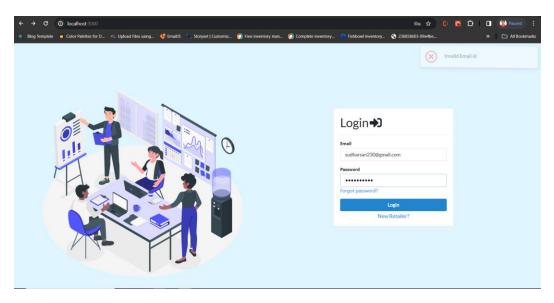
Note: password also Encrypt format



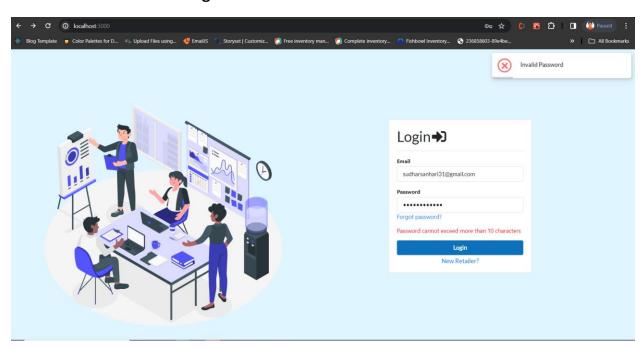
2.Login page validation



3. Wrong Email and Correct Password:

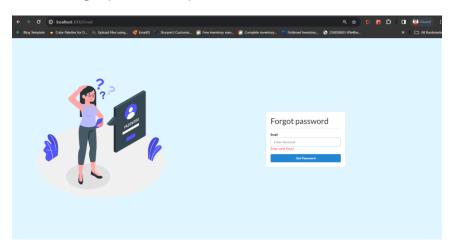


4. Correct Email with Wrong Password

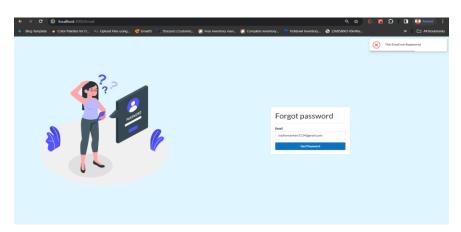


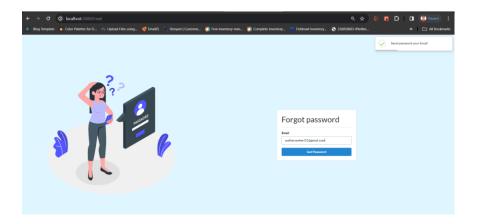
Forgot Password:

Click forgot password option

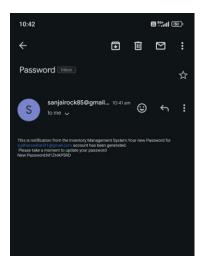


Enter invalid Email:

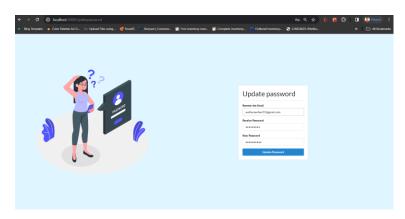




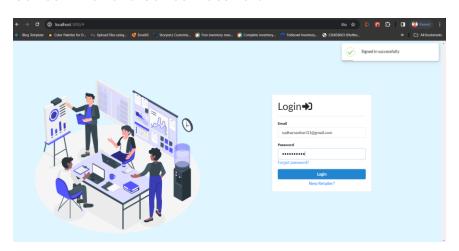
Receive password:



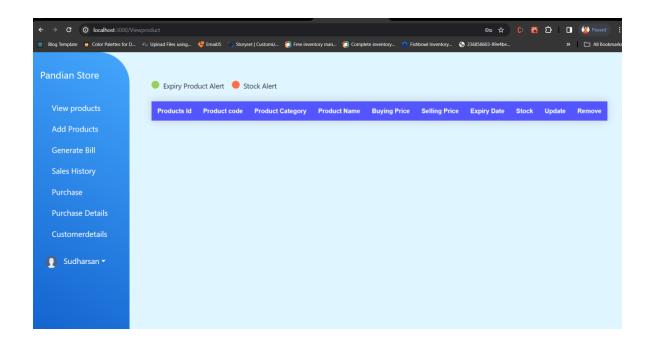
Update password:



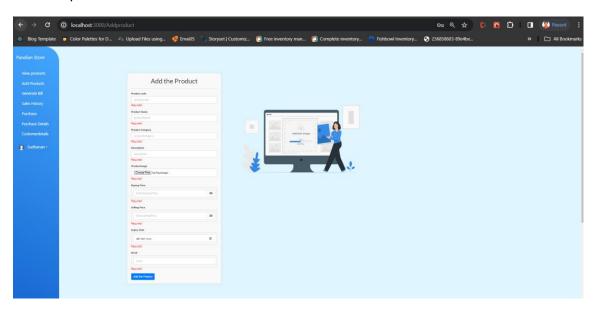
Correct Email and Correct Password:



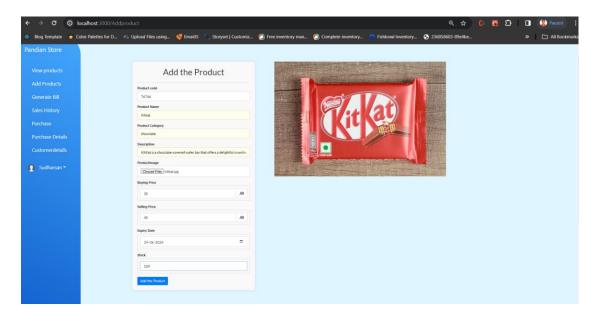
After Login Automatically go to home page:



Add the products Validation:



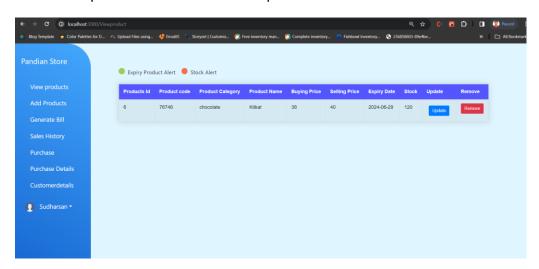
Add the Products:



Store in the database:



Click View products show the whole products list:

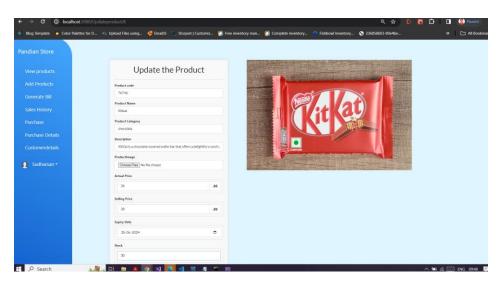


Update the products:

Click the update button easily update the product details and stock.

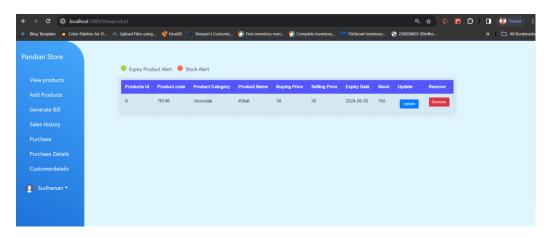
Old stock:120

New stock:30



Update the database:



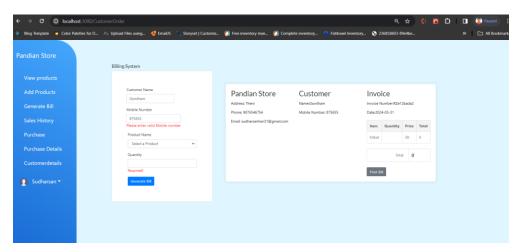


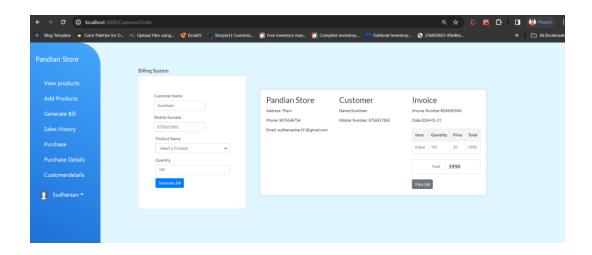
Customers:

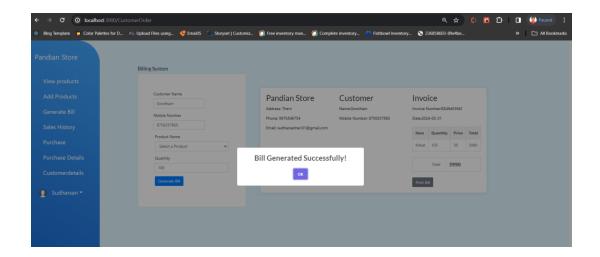
If Customer buy the product automatically updates the stock in database:

If a new customer buys the product in the shop automatically creates a new account using mobile number.

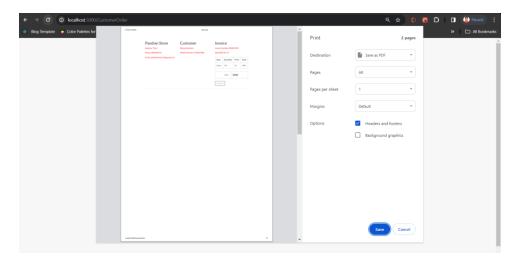
Billing system validation:







Print Bill options easily print the Bill:



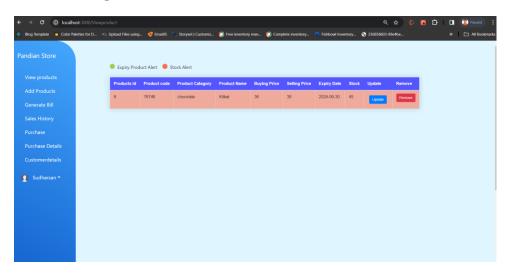
Product databases reduce the stocks:



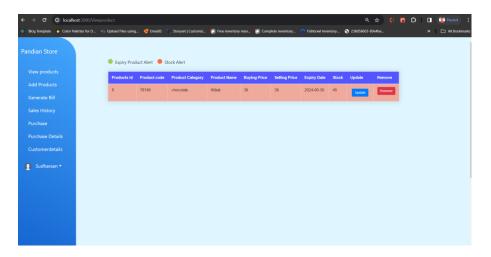
Create a new Customer:

CustomerID	CustomerName	MobileNumber	Creditpoints	Retailerid
11	sanjai	1234567897	0	2
12	arun	7875575656	2	2
13	makjd	1234567896	1	2
14	sanjai	6789765456	8	3
15	sanjai	8765456789	1	2
16	Kalpana	7654567876	1	2
17	Kalpana	6754567876	13	2
18	Kalpana	6656556783	5	2
19	Gowtham	8756557 665655	56783	7
NULL	NULL	NULL	NULL	NULL

Product Page reduce the stocks:

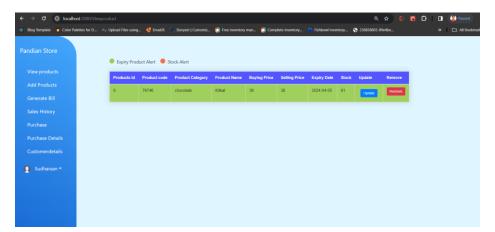


Stock is less then 50 means show the blink alert:



Product expiry date 5 days before show the alert message:

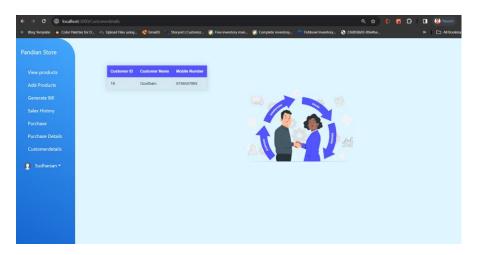
Example: expiry date 05.04.2024.(5 days before show the alert message)



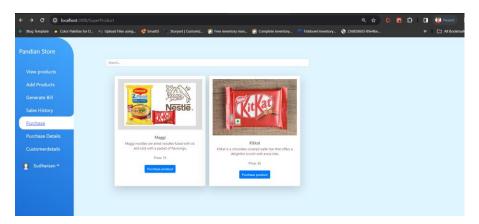
Retailer can easily see the sales details:



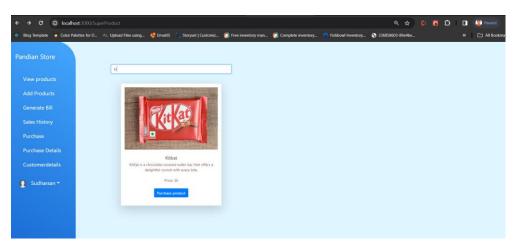
View the customer details:



Retailer Purchase the product:

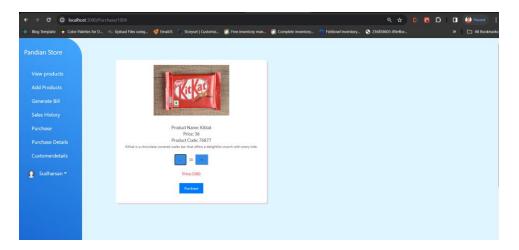


Using Search filter easily search the product:

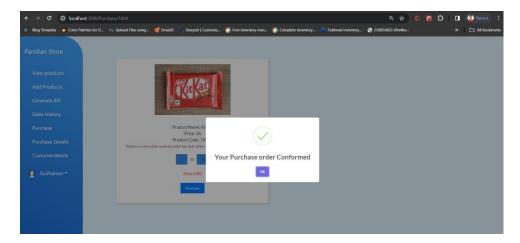


But the product:

Using (+) button retailer add the count. Below shows the amount.

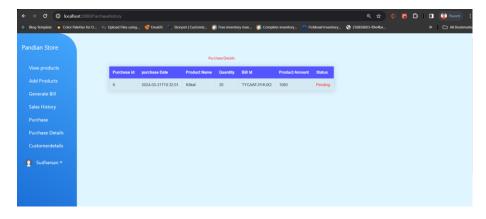


Retailer Purchase:



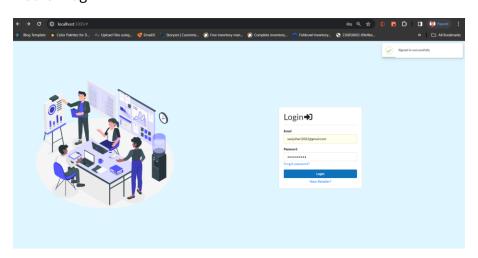
Retailer purchase details:

Purchase status: pending

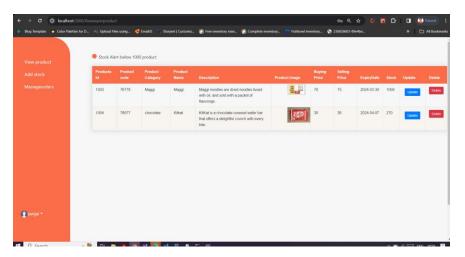


Dealer page:

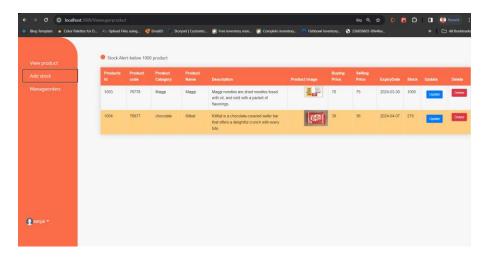
Dealer Login:



View All products;

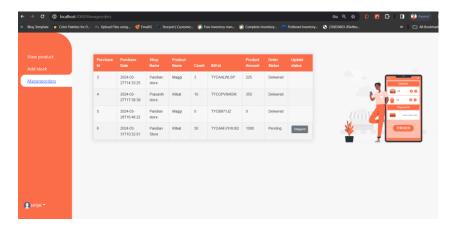


Stock below 1000 show the Blink alert:

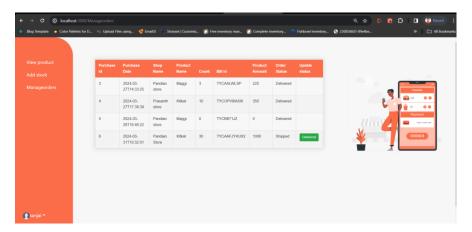


Manage orders:

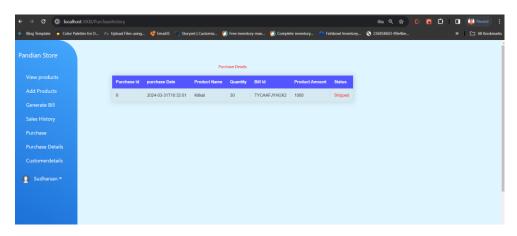
The Pandian store purchased 30 KitKat items.



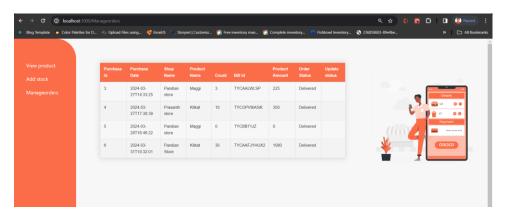
Click shipped button change the order status:



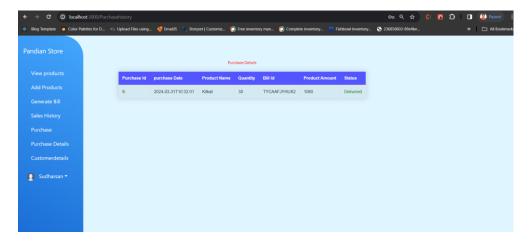
Retailer stores change the purchase status:



Click delivered button change the status:



Retailer stores change the purchase status:



Retailer Logout:

Click logout button navigate to login page.

