INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

1. INTRODUCTION

1.1 Project Overview

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply.

In practice, effective retail inventory management results in lower costs and a better understanding of sales patterns. Retail inventory management tools and methods give retailers more information on which to run their businesses. Applications have been developed to help retailers track and manage stocks related to their own products.

1.2 Purpose

The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application. Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock.

2. LITERATURE SURVEY

2.1 Existing problem

- Existing system contains many videos in the dataset which cause data storage issues.
- Use of raspberry Pi prevents reachability to people due to excessive cost.
- Sensors may become faulty over time which affects the reliability of the system.
- There are some models which can only predict alphabets with good accuracy.
- Some model fails on low light intensity and uncontrolled background.
- The hand key points estimation for more than two hands cannot be properly estimated.

2.2 References

- [1] Ahmed, and I. Sultana, "A literature review on inventory modeling with reliability considerations," International Journal of Industrial Engineering Computations, vol.5, pp.169-178, 2014.
- [2] N. A. Anichebe, and A. O. Agu, "Effect of Inventory Management on Organizational Effectiveness," Information and Knowledge Management, vol.3, No.8, 2013.
- [3] B. Plossl, "Management," New York, Prentice Hall Inc, 2005.
- [4] S. Ziukov, "A literature review on models of inventory management under uncertainty," Business systems and Economics, vol.5, No.1, 2015.
- [5] G. J. Liu, R. Shah and R. G. Schroeder, "Managing demand and supply uncertainties to achieve mass customization ability," Journal of Manufacturing Technology Management, vol. 21, no. 8, pp. 990-1012, 2010.
- [6] R. Pillai, "Inventory management performance in machine tool SMEs: What factors do influence them?" Journal of Industrial Engineering and Management, vol.3, No.3, pp.542-560, 2010.
- [7] H. Ullah, and S. Parveen, "A Liturature Review on Inventory Lot Sizing Problems," Global Journal of Research in Engineering, vol.10, Iss.5, (ver.1.0), 2010.

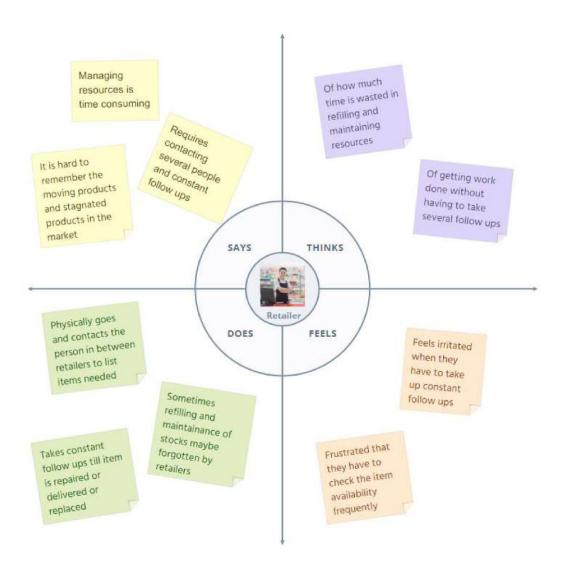
2.3 Problem Statement Definition

Retailers do not have any automated system to record orders and keep track of their inventory data. It is difficult for the retailers to constantly monitor stocks of all items and place orders accordingly every time they are running low because they only keep records in logbooks that are not properly organized.

3. IDEATION & PROPOSED SOLUTION

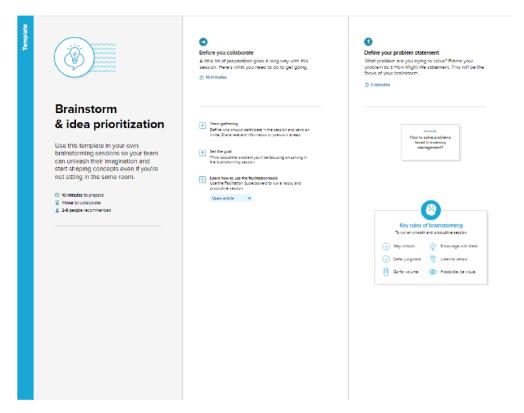
3.1 Empathy Map Canvas

Empathy Map - Inventory Management System For Retailers

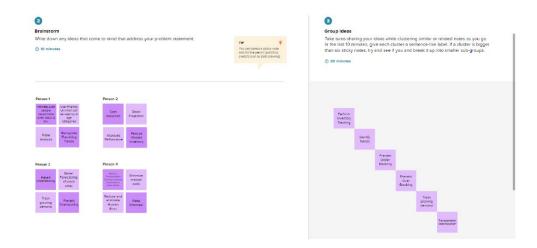


3.2 Ideation & Brainstorming

Step 1



Step 2



Step 3



Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

© 20 minutes



3.3 Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To design an application for inventory management system which live tracks the inventory held by retailers in various warehouses or locations.
		To help assign where new stock is supposed to be stored when it arrives.
2.	Idea / Solution description	Live tracks the inventory of a particular retailer.
		Tracks at real time where and how much stock are held by the retailer in different locations.
		Automatically sends an email alert when stock is too low.
3.	Novelty / Uniqueness	The amount of stock held by a particular retailer is displayed by graphs to help the user to easily understand and make decisions based on it.
4.	Social Impact / Customer Satisfaction	Customer Satisfaction entirely depends on the services which they expected. If the retailer's system exceeds with customer's expectation, the customers will be satisfied.
5.	Business Model (Revenue Model)	The application can be hosted in the cloud and is made accessible to users who pay a subscription fee. (Software as a Service (SaaS)).
6.	Scalability of the Solution	The system can be collaborated with multiple retailers and have a clear stock information.

3.4 Problem Solution fit

1. CUSTOMER SEGMENT(S) Retailers Small Scale Industries

2. CUSTOMER CONSTRAINTS Network Connection

Time consuming

5. PROBLEM ROOT CAUSE

CC

RC

3. AVAILABLE SOLUTIONS

Explore AS, differentiate

The existing solution uses a cloud database in order to store the information about inflow and outflow of the stocks and the location information of the stocks, such as source and

4. JOBS-TO-BE-DONE / PROBLEMS J&P · Tracking of stocks is a routine and

vague job when humans are involved.

It will make us bored and sometimes

So, this kind of jobs can be done simply and effectively using the Inventory Management System. The main aim of the application is to keep track of all the stocks and their relevant information for easy access.

CS

Inaccurate information about stock movement

Demands of consumers change day by day

Inadequate product stock knowledge

Hard to track mass number of moving

6. BEHAVIOUR

BE

- Track the inflow and outflow of stocks
- Update information onto cloud frequently
- Know the market trends and adapt accordingly

Identify strong TR & EM

7. TRIGGERS

TR

· Increasing customer demand

even frustrated.

Market competition

9. YOUR SOLUTION

10. CHANNELS of BEHAVIOUR



8. EMOTIONS: BEFORE / AFTER

- Before: Takes more time for calculations. More stress for workers, both physically and mentally.
- After: Takes very less time for calculations. Less manual work compared to former methods.

also be added manually.

ONLINE

- Alerting the particular person about the stocks limits, either full or empty or even about the reach of a particular limit
- Updating of flowing of the stocks regularly

This application works on cloud and uses a cloud database.

Developing a cloud application which consists

the information about the current stocks, the

imported from the inventory. Information can

stocks which are yet to be exported or

OFFLINE

- Manual Checking
- Stock Distribution among the Inventory

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

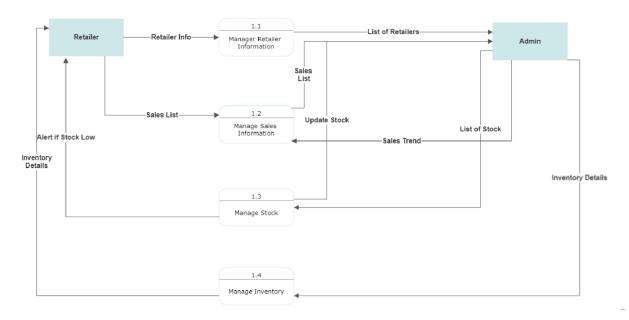
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	 Registration through Form Registration through Google Account
FR-2	User Confirmation	➤ Confirmation via Email
FR-3	Dashboard	 Displays the alerts about the quantity of stocks Displays trends and patterns in the sales of the products Provides information about sales activities and top selling products
FR-4	Alert	 Alerts the retailer about low quantity of stocks Alerts the retailer to discontinue a particular product if its sales are too poor in recent times Alerts the retailer about the ideal restock quantity for products which have less demand in recent times
FR-3	Real Time Tracking	User can track the status of the stock after dispatching it to delivery.

${\bf 4.2\ Non-Functional\ requirements}$

FR	Non-Functional Requirement	Description
No.		
NFR-1	Usability	 The application should have a search bar for searching products based on keywords.
NFR-2	Reliability	The application should provide appropriate and verified information about the availability of the stocks.
NFR-3	Performance	Making the user to get fond of using the application as it will be more efficient and accurate about the stock storage and exchange information.
NFR-4	Scalability	 Get more users by encouraging social sharing.

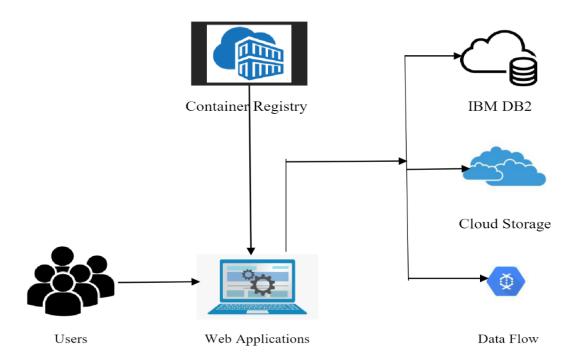
5. PROJECT DESIGN

5.1 Data Flow Diagrams

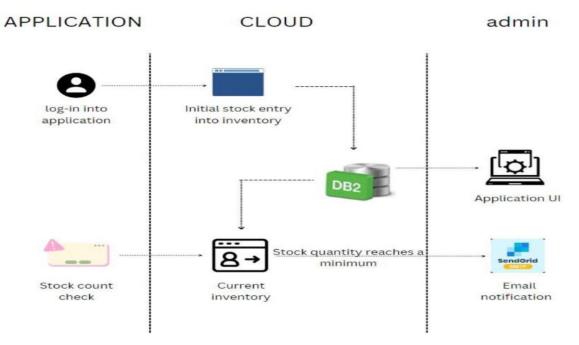


5.2 Solution & Technical Architecture

5.2.1 Solution Architecture



5.2.2 Technology Architecture



5.3 User Stories

User Type	Functional Requirement (Epic)	<u>User</u> <u>Story</u> Number	User Story/ Task	Acceptance Criteria	Priority	Release
Retailer	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
	Login	USN-3	As a user, I can log into the application by entering email & password.	I can login to application by entering credentials.	High	Sprint-1
	Dashboard	USN-4	As a user, I can enter my stocks and keep track of them	I can manage the stocks and update them in a random manner.	High	Sprint-1
		USN-5	As a user I can enter Sales Details and application displays sales trend for user convenience.	I can manage sales details and view the sales trend.	Medium	Sprint-1
	Alerts	USN-6	As a user, I get updates if stocks are too low.	I can receive alert when stock is too low. (Value set by user).	High	Sprint-1

6. PROJECT PLANNING & SCHEDULING

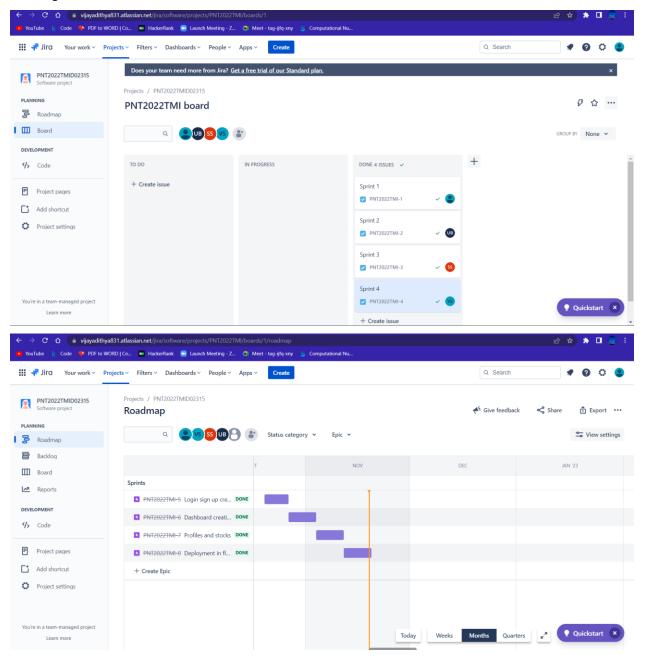
6.1 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User StoryNumber	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-3		USN-4	As a user, I can register for the application.	8	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-6	As a user, I should be able to change passwordwhenever I prefer.	2	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter productdetails in the app	2	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-8	As a retailer, I should be able to add or removequantity of products in the app.	3	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-9	As a retailer, I should get alert on stockshortage or unavailability.	5	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Order	USN-7	As a user, I should be able to order items on theapp	2	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to editdetails of the users of the app.	8	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-4		USN-2	Termination user accounts temporarily orpermanently if needed.	5	Low	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2	Feedback	USN-1	As a customer care team member, I should beable to get feedback from the users.	2	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S

6.2 Sprint Delivery Schedule

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

6.3 Reports from JIRA



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

7.1 Dashboard

```
{% extends "layout.html" %}
{% block content %}
  <div class="wrapper">
   <!-- Sidebar -->
   {% include 'sidebar.html' %}
   <!-- Page Content -->
   <div id="content">
    <main>
     <h1>Dashboard</h1>
      <div class="date">
        <input type="date">
      </div>
     <div class="insights">
        <div class="sales">
          <span class="material-icons-sharp">analytics</span>
          <div class="middle">
             <div class="left">
               <h3>Total Sales</h3>
```

```
< h1 > Rs.25000 < / h1 >
    </div>
    <div class="progress">
      \langle svg \rangle
        <circle cx='38' cy='38' r='36'></circle>
      </svg>
      <div class="number">
         81%
      </div>
    </div>
  </div>
  <small class="text-muted">Last 24 Hours</small>
</div>
<!---->
<div class="expenses">
  <span class="material-icons-sharp">bar_chart</span>
  <div class="middle">
    <div class="left">
      <h3>Total Expenses</h3>
      < h1 > Rs.14000 < / h1 >
```

```
</div>
   <div class="progress">
     <svg>
       <circle cx='38' cy='38' r='36'></circle>
     </svg>
     <div class="number">
        62%
     </div>
   </div>
 </div>
 <small class="text-muted">Last 24 Hours</small>
</div>
<!---->
<div class="income">
 <span class="material-icons-sharp">stacked_line_chart</span>
 <div class="middle">
   <div class="left">
     <h3>Total Income</h3>
     <h1>Rs.10000</h1>
```

```
</div>
          <div class="progress">
            <svg>
             <circle cx='38' cy='38' r='36'></circle>
            </svg>
            <div class="number">
              44\% 
            </div>
          </div>
        </div>
        <small class="text-muted">Last 24 Hours</small>
      </div>
      <!---->
    </div>
  </main>
  {% include 'table.html' %}
  </div>
 </div>
{% endblock content %}
```

7.2 Edit Stock

```
{% extends "layout.html" %}
{% block content %}
<div class="wrapper">
  <!-- Sidebar -->
  {% include 'sidebar.html' %}
  <!-- Page Content -->
  <div id="content">
    <h2>Inventory</h2>
    >
      Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do
      eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim
       ad minim veniam,
    <!-- {% include 'table.html' %} -->
    <div class="forms-wrapper">
      <form action="" method="post">
         <h3>Create Item</h3>
         <div class="field">
           <label class="custom-label" for="item"</pre>
              >Enter Stock ID</label>
```

```
<input
      class="text-inputs"
      type="text"
      name="stock_id"
      placeholder="1"
    />
  </div>
  <div class="field">
    <label class="custom-label" for="item"</pre>
      >Enter Quantity</label
    >
    <input
      class="text-inputs"
      type="number"
      name="quantity"
      placeholder="10"
    />
  </div>
  <button class="submit-button">Create</button>
</form>
```

```
<form action="" method="post">
  <h3>Update Order</h3>
  <div class="field">
    <label class="custom-label" for="item"</pre>
       >Enter Order ID</label
    >
    <input
       class="text-inputs"
       name="item"
       type="number"
       placeholder="1"
    />
  </div>
  <div class="field">
    <label for="custom-label" for="input-field"</pre>
       >Choose a field -
    </label>
    <select name="input-field" id="field">
       <option value="STOCKS_ID">STOCKS_ID</option>
```

```
<option value="QUANTITY">QUANTITY</option>
    </select>
  </div>
  <div class="field">
    <label class="custom-label" for="input-value"</pre>
       >Enter Value</label
    >
    <input class="text-inputs" type="text" name="input-value" />
  </div>
  <button class="submit-button">Update</button>
</form>
<form action="" method="post">
  <h3>Cancel Order</h3>
  <div class="field">
    <label class="custom-label" for="item"</pre>
       >Enter Order ID</label
    >
    <input
       class="text-inputs"
       name="order_id"
```

```
type="number"

placeholder="1"

/>

</div>

<br/>
<button class="submit-button red-button">Cancel</button>

</form>

</div>

</div>

</div>
{\text{div}}

{\text{% endblock content \text{\text{$\chi}}}
```

8. TESTING

8.1 Test Cases

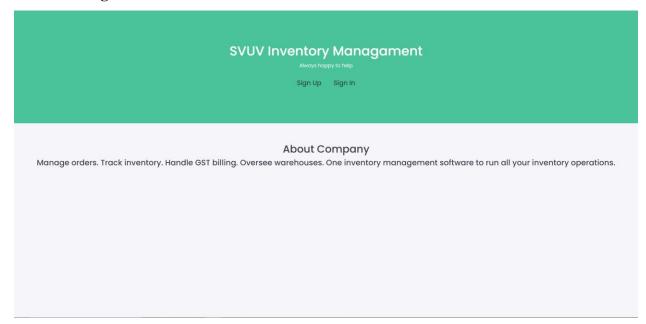
Test Case	Feature	Component	Test Scenario	Steps to Execute	Result	Status
ID	Type					
HomePage_	Functional	Home page	Verify user is	1.Enter URL and click go	Login page should	Pass
TC_001			able to see the	2.Click on Sign in Button	pop up as soon as the	
			Login/Signup	3. Verify Sign in/Sign up	Login button is	
			popup when user	popup displayed or not	clicked.	
			clicked on Login			
			Button in the			
			Homepage			
LoginPage_	UI	Login Page	Verify the UI	1. Enter URL and click	Application should	Pass
TC_002			elements in	GO	display the following:	
			Login/Signup	2. Click on Sign up	a. Name	
			popup	button	b. Email	

				3. Verify Sign up page	c. Password	
				displays the following:	d. Conform password	
				a. Name	e. Sign in/Sign up	
				b. Email	button	
				c. Password		
				d. Conform password		
				e. Register button		
LoginPage_	Functional	Login Page	Verify user is	1. Enter URL and click	The user should	Pass
TC_003			able to log into	GO	navigate to user	
			application with	2. Click on Sign in link	account dashboard	
			Valid credentials	3. Enter valid email and	page.	
				password		
				4. Click on Sign in button		
LoginPage_	Functional	Dashboard	Verify the user is	1. Enter URL	The application	Pass
TC_004		Page	able to view the	(dashboard.html) and	should display the	
			dashboard and	click GO	quantities of stocks	
			see the charts	2. View the stocks in	present currently in	
				tabular as well as	the inventory.	
				graphical form		
				3. The table should		
				consist of a list		
				containing item_id, item,		
				quantity_left,		
				price_per_quantity, etc.		

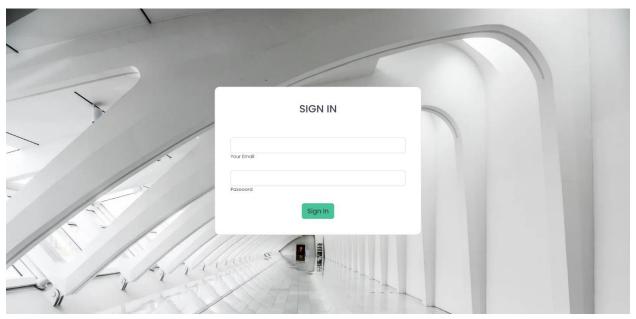
9. RESULTS

9.1 Performance Metrics

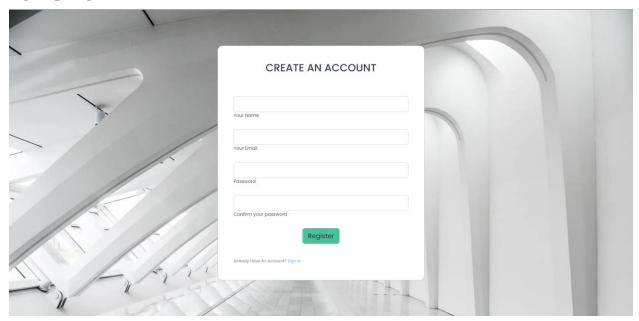
Home Page



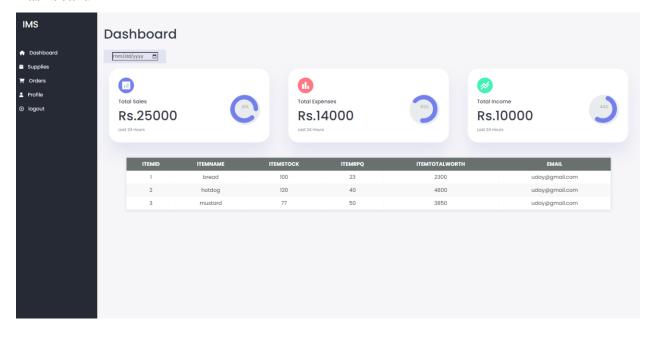
Sign In Page



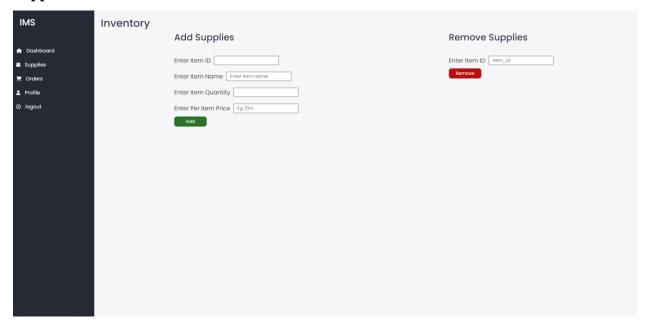
Sign Up Page



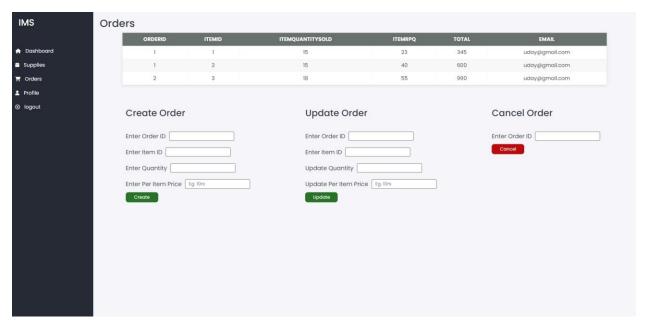
Dashboard



Supplies



Orders



Profile

IMS	Profile
♠ Dashboard➡ Supplies	User Details UserNAME: uday EMAIL: uday@gmail.com
☐ Orders	Hadata Basayard
♣ Profile⑤ logout	Update Password
⊚ logout	Enter Old Password
	Enter New Password
	Enter Confirm Password
	Update

10. ADVANTAGES & DISADVANTAGES

The major advantage in using the Inventory Management System for Retailers application is saving the time and human errors in recording the information about the stocks present in a particular inventory/warehouse by minimizing manual work. The application also consists of graphs which depict the expenses spent by the retailers. Since a database is available to manage stocks received and sold to customer, retailers can keep track of what is currently available in inventory.

The disadvantage in the proposed system is that even though this project proves to reduce the amount of manual labor and reduce human errors, major sections of the system are still dependent on an admin or a person on the retailer side feeding details constantly in a database which can prove to be a meticulous task. Also, the main data regarding the inventory is only available in tabular form, which arises a demand for pictorial representation.

11. CONCLUSION

To conclude, Inventory Management System is a simple desktop based application basically suitable for small organization. It has every basic items which are used for the small organization. Our team is successful in making the application where we can update, insert and delete the item as per the requirement. This application also provides an alert when the quantity

of the stocks falls below the threshold value, so that the retailer will be taking necessary steps to refill the particular stock.

Through it has some limitations, our team strongly believes that the implementation of this system will surely benefit the organization.

12. FUTURE SCOPE

A system can be developed in such a way that it can completely eliminate the necessity of an admin to update values in the database. This can be done using technology like RFID tags to automatically update stock quantities in the database whenever the stock enters and leaves the inventory.

A certain analysis part can be added to this system such as a module to identify the sales trend of a particular product and notify the retailer to maybe avoid buying a product if it does not sell good in the market.

13. APPENDIX

SOURCE CODE

Landing Page

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
                                   link
                                                                           rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
                                                                                   <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
 <style>
 .jumbotron {
  background-color: rgba(74,194,154,255);
  color: #fff;
  padding: 100px 25px;
 }
 .container-fluid {
  padding: 60px 50px;
 }
```

```
.bg-grey {
  background-color: #f6f6f6;
 }
 .logo {
 font-size: 200px;
 }
 @media screen and (max-width: 768px) {
  .col-sm-4 {
   text-align: center;
   margin: 25px 0;
  }
 }
 </style>
</head>
<body>
<div class="jumbotron text-center">
 <h1>SVUV Inventory Managament</h1>
 Always happy to help
 <center>
```

```
<div>
  <button class="btn btn-default btn-lg" ><a href = "/signup">Sign Up</a></button>
  <button class="btn btn-default btn-lg" ><a href = "/signin">Sign In</a></button>
 </div>
</center>
</div>
<!-- Container (About Section) -->
<div class="container-fluid">
 <div class="row">
  <div class="col-sm-12">
    <center>
   <h2>About Company</h2>
    <h4>Manage orders. Track inventory. Handle GST billing. Oversee warehouses. One
inventory management software to run all your inventory operations.</hd>
  </center>
  </div>
 </div>
</div>
```

```
</body>
</html>
Sign In Page
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  k href="https://getbootstrap.com/docs/5.0/assets/css/docs.css" rel="stylesheet">
  <!-- Bootstrap core CSS -->
  k href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT''
crossorigin="anonymous">
  <title>Document</title>
</head>
<body>
  <section class="vh-100 bg-image"</pre>
```

```
style="background-image: url('https://mdbcdn.b-cdn.net/img/Photos/new-templates/search-
box/img4.webp');">
 <div class="mask d-flex align-items-center h-100 gradient-custom-3">
  <div class="container h-100">
    <div class="row d-flex justify-content-center align-items-center h-100">
     <div class="col-12 col-md-9 col-lg-7 col-xl-6">
      <div class="card" style="border-radius: 15px;">
       <div class="card-body p-5">
        <h2 class="text-uppercase text-center mb-5">Sign In</h2>
        <form>
         <div class="form-outline mb-4">
          <input type="email" id="form3Example3cg" class="form-control-</pre>
lg"/>
          <label class="form-label" for="form3Example3cg">Your Email</label>
         </div>
         <div class="form-outline mb-4">
           <input type="password" id="form3Example4cg" class="form-control form-</pre>
control-lg" />
```

```
<label class="form-label" for="form3Example4cg">Password</label>
         </div>
         <div class="d-flex justify-content-center">
          <button type="button"
           class="btn btn-block btn-lg gradient-custom-4 text-body" style="background-
color:rgba(74,194,154,255);">Sign In</button>
         </div>
        </form>
       </div>
      </div>
    </div>
   </div>
  </div>
 </div>
</section>
</body>
</html>
```

```
Sign Up page
```

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  k href="https://getbootstrap.com/docs/5.0/assets/css/docs.css" rel="stylesheet">
  <!-- Bootstrap core CSS -->
  k href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
  <title>Document</title>
</head>
<body>
  <section class="vh-100 bg-image"</pre>
 style="background-image: url('https://mdbcdn.b-cdn.net/img/Photos/new-templates/search-
box/img4.webp');">
 <div class="mask d-flex align-items-center h-100 gradient-custom-3">
  <div class="container h-100">
   <div class="row d-flex justify-content-center align-items-center h-100">
```

```
<div class="col-12 col-md-9 col-lg-7 col-xl-6">
      <div class="card" style="border-radius: 15px;">
       <div class="card-body p-5">
        <h2 class="text-uppercase text-center mb-5">Create an account</h2>
        <form>
         <div class="form-outline mb-4">
          <input type="text" id="form3Example1cg" class="form-control form-control-lg"</pre>
/>
          <label class="form-label" for="form3Example1cg">Your Name</label>
         </div>
         <div class="form-outline mb-4">
          <input type="email" id="form3Example3cg" class="form-control-</pre>
lg" />
          <label class="form-label" for="form3Example3cg">Your Email</label>
         </div>
         <div class="form-outline mb-4">
```

```
<input type="password" id="form3Example4cg" class="form-control form-</pre>
control-lg"/>
          <label class="form-label" for="form3Example4cg">Password</label>
         </div>
         <div class="form-outline mb-4">
          <input type="password" id="form3Example4cdg" class="form-control form-</pre>
control-lg" />
          <label class="form-label" for="form3Example4cdg">Repeat your
password</label>
         </div>
         <div class="d-flex justify-content-center">
          <button type="button"
            class="btn btn-block btn-lg gradient-custom-4 text-body" style="background-
color: rgba(74,194,154,255);">Register</button>
         </div>
        </form>
       </div>
```

```
</div>
        </div>
       </div>
     </div>
    </div>
   </section>
   </body>
   </html>
Index
   <!DOCTYPE html>
   <html lang="en">
   <head>
     <meta charset="UTF-8">
     <meta http-equiv="X-UA-Compatible" content="IE=edge">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>IMS</title>
     <link rel="stylesheet" href="/static/css/style.css">
                       href="https://fonts.googleapis.com/icon?family=Material+Icons+Sharp"
             link
   rel="stylesheet">
   </head>
```

```
<body>
  <div class="container">
    <aside>
      <div class="top">
         <div class="logo"> <img src="/static/ims.png">
           <h2>I<span class="danger">M</span>S</h2>
         </div>
                      <div class="close" id="close-btn"><span class="material-icons-
sharp">close</span></div>
       </div>
       <div class="sidebar">
         <a href="#" class="active">
           <span class="material-icons-sharp">grid_view</span>
           <h3>Dashboard</h3>
         </a>
         <a href="#">
           <span class="material-icons-sharp">person_outline</span>
           <h3>Customers</h3>
         </a>
```

```
<a href="#">
  <span class="material-icons-sharp">receipt_long</span>
  <h3>Orders</h3>
</a>
<a href="#">
  <span class="material-icons-sharp">insights</span>
  <h3>Analytics</h3>
</a>
<a href="#">
  <span class="material-icons-sharp">mail_outline</span>
  <h3>Messages</h3>
</a>
<a href="#">
  <span class="material-icons-sharp">inventory</span>
  <h3>Products</h3>
</a>
<a href="#">
  <span class="material-icons-sharp">description</span>
  <h3>Reports</h3>
```

```
</a>
   <a href="#">
     <span class="material-icons-sharp">settings</span>
     <h3>Settings</h3>
   </a>
   <a href="#">
     <span class="material-icons-sharp">add</span>
     <h3>Add Product</h3>
   </a>
   <a href="#">
     <span class="material-icons-sharp">logout</span>
     <h3>Logout</h3>
   </a>
 </div>
</aside>
<!-----END-OF-ASIDE------
<main>
 <h1>Dashboard</h1>
```

```
<div class="date">
  <input type="date">
</div>
<div class="insights">
  <div class="sales">
    <span class="material-icons-sharp">analytics</span>
    <div class="middle">
      <div class="left">
         <h3>Total Sales</h3>
         <h1>Rs.25000</h1>
      </div>
      <div class="progress">
         <svg>
           <circle cx='38' cy='38' r='36'></circle>
         </svg>
         <div class="number">
            81%
         </div>
      </div>
```

```
</div>
  <small class="text-muted">Last 24 Hours</small>
</div>
<!----->
<div class="expenses">
  <span class="material-icons-sharp">bar_chart</span>
  <div class="middle">
    <div class="left">
      <h3>Total Expenses</h3>
      < h1 > Rs.14000 < / h1 >
    </div>
    <div class="progress">
      <svg>
        <circle cx='38' cy='38' r='36'></circle>
      </svg>
      <div class="number">
         62%
      </div>
    </div>
```

```
</div>
  <small class="text-muted">Last 24 Hours</small>
</div>
<!----->
<div class="income">
  <span class="material-icons-sharp">stacked_line_chart</span>
  <div class="middle">
    <div class="left">
      <h3>Total Income</h3>
      < h1 > Rs.10000 < / h1 >
    </div>
    <div class="progress">
      <svg>
       <circle cx='38' cy='38' r='36'></circle>
      </svg>
      <div class="number">
       44%
      </div>
    </div>
```

```
</div>
            <small class="text-muted">Last 24 Hours</small>
          </div>
          <!----->
        </div>
      </main>
    </div>
  </body>
  </html>
Orders
  {% extends "layout.html" %}
  {% block content %}
  <div class="wrapper">
    <!-- Sidebar -->
    {% include 'sidebar.html' %}
    <!-- Page Content -->
    <div id="content">
      <h2>Orders</h2>
      >
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,

```
<!-- {% include 'table.html' % } -->
<div class="forms-wrapper">
  <form action="" method="post">
     <h3>Create Order</h3>
    <div class="field">
       <label class="custom-label" for="item"</pre>
         >Enter Stock ID</label
       >
       <input
         class="text-inputs"
         type="text"
         name="stock_id"
         placeholder="1"
       />
    </div>
     <div class="field">
```

```
<label class="custom-label" for="item"
      >Enter Quantity</label
    <input
      class="text-inputs"
      type="number"
      name="quantity"
      placeholder="10"
    />
  </div>
  <button class="submit-button">Create</button>
</form>
<form action="" method="post">
  <h3>Update Order</h3>
  <div class="field">
    <label class="custom-label" for="item"
       >Enter Order ID</label
    >
    <input
```

```
class="text-inputs"
    name="item"
    type="number"
    placeholder="1"
  />
</div>
<div class="field">
  <label for="custom-label" for="input-field"</pre>
    >Choose a field -
  </label>
  <select name="input-field" id="field">
    <option value="STOCKS_ID">STOCKS_ID</option>
    <option value="QUANTITY">QUANTITY</option>
  </select>
</div>
<div class="field">
  <label class="custom-label" for="input-value"</pre>
    >Enter Value</label
  >
  <input class="text-inputs" type="text" name="input-value" />
```

```
</div>
    <button class="submit-button">Update</button>
  </form>
  <form action="" method="post">
    <h3>Cancel Order</h3>
    <div class="field">
      <label class="custom-label" for="item"</pre>
         >Enter Order ID</label
      >
      <input
         class="text-inputs"
         name="order_id"
         type="number"
         placeholder="1"
      />
    </div>
    <button class="submit-button red-button">Cancel</button>
  </form>
</div>
```

```
jbbhjbhkjvkjhv
     </div>
   </div>
   {% endblock content %}
Profile
   {% extends "layout.html" %} {% block content %}
   <div class="wrapper">
     <!-- Sidebar -->
     {% include 'sidebar.html' %}
     <!-- Page Content -->
     <div id="content">
       jbbhjbhkjvkjhv
       <h2>Profile</h2>
       <hr/>
       <div class="user-deatils">
          <h3>User Details</h3>
          <h4>USERNAME :</h4>
          <h4>FIRSTNAME :</h4>
          <h4>LASTNAME :</h4>
          <h4>EMAIL :</h4>
```

```
</div>
<hr />
<div class="forms-wrapper mg-20">
 <form action="" method="post">
    <h3>Update user details</h3>
    <div class="field">
      <label for="input-field">Choose a field :</label>
      <select name="input-field" id="field">
        <option value="USERNAME">USERNAME
        <option value="FIRSTNAME">FIRSTNAME
        <option value="LASTNAME">LASTNAME
      </select>
    </div>
    <div class="field">
      <label class="custom-label" for="input-value">
        Enter Value</label
      >
      <input
        class="text-inputs"
        type="text"
```

```
name="input-value"
      placeholder=" "
    />
  </div>
  <button class="submit-button">Update</button>
</form>
<form action="" method="post">
  <h3>Update Password</h3>
  <div class="field">
    <label class="custom-label" for="prev-password">
      Enter Old Password</label
    >
    <input
      class="text-inputs"
      type="password"
      name="prev-password"
      placeholder=" "
    />
  </div>
  <div class="field">
```

```
<label class="custom-label" for="cur-password">
    Enter New Password</label
  <input
    class="text-inputs"
    type="password"
    name="cur-password"
    placeholder=" "
  />
</div>
<div class="field">
  <label class="custom-label" for="confirm-password">
    Enter Confirm Password</label
  >
  <input
    class="text-inputs"
    type="password"
    name="confirm-password"
    placeholder=" "
  />
```

```
</div>
         <button class="submit-button">Update</button>
       </form>
     </div>
  </div>
</div>
{% endblock content %}
Flask.py
from flask import Flask, render_template, url_for, request, redirect, session, make_response,
g ,flash
#from flask_login import login_required, login_user, logout_user, current_user
import sqlite3 as sql
from functools import wraps
import re
import ibm_db
import os
from datetime import datetime, timedelta
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=125f9f61-9715-46f9-9399-
c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30426;SECURITY
=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=ktx29071;PWD=zl0kavBhK4
VQc9KJ", ", ")
app = Flask(__name__)
app.secret_key = 'jackiechan'
def rewrite(url):
  view_func, view_args = app.create_url_adapter(request).match(url)
  return app.view_functions[view_func](**view_args)
#------home------
@app.route('/', methods=['GET'])
def home():
 if session.get('loggedin')== True:
    return redirect(url_for("dashboard"))
 else:
   return render_template('home.html')
```

```
#-----logout-----
@app.route('/logout', methods=['GET'])
def logout():
 session.pop("user",None)
 session.pop("loggedin",None)
 session.pop("registered",None)
 session.pop("uname",None)
 session.pop("ord_id",None)
 session.pop("ord_item_id",None)
 session.pop("ord_quantity",None)
 session.pop("ord_item_ppq",None)
 return redirect(url_for("home"))
#-----login------
@app.route('/signin', methods=['GET', 'POST'])
def signin():
 lmsg = "
 if session.get('loggedin')== True:
```

```
return redirect(url_for('dashboard'))
else:
 if request.method == 'POST':
   session.pop("user",None)
   un = request.form['username']
   pd = request.form['password_1']
   print(un, pd)
   sql = "SELECT * FROM CUSTOMERS WHERE email =? AND password=?"
   stmt = ibm_db.prepare(conn, sql)
   ibm_db.bind_param(stmt, 1, un)
   ibm_db.bind_param(stmt, 2, pd)
   ibm_db.execute(stmt)
   account = ibm_db.fetch_assoc(stmt)
   print(account)
   if account:
     session['loggedin'] = True
     session['user'] = account['EMAIL']
     session['uname']=account['NAME']
     lmsg = 'Logged in successfully !'
     return redirect(url_for('dashboard'))
```

```
lmsg = 'Incorrect username / password !'
      return render_template('signin.html',title="Signin",lmsg=lmsg)
   else:
     return render_template('signin.html',title="Signin")
#-----dashboard-----
@app.route('/dashboard', methods=['GET', 'POST'])
def dashboard():
 if session.get('loggedin')== True:
   uname = session['uname']
   user = session['user']
   sql = 'SELECT * FROM ITEMS WHERE EMAIL =?'
   stmt = ibm_db.prepare(conn, sql)
   ibm_db.bind_param(stmt, 1, user)
   ibm_db.execute(stmt)
   dictionary=ibm_db.fetch_assoc(stmt)
   # if session.get('ord_id')== True:
   # ord_id = session['ord_id']
```

else:

```
ord_item_id = session['ord_item_id']
     oiqty=dictionary["ITEMSTOCK"]
      niqty=session['ord_quantity']
      new_qty= (int)(oiqty)- (int)(niqty)
      orpq=dictionary["ITEMRPQ"]
     nrpq=session['ord_item_ppq']
     new_rqp= (int)(orpq)- (int)(nrpq)
     newTotal = new_qty * new_rqp
   items=[]
   headings = [*dictionary]
   while dictionary != False:
     items.append(dictionary)
     dictionary = ibm_db.fetch_assoc(stmt)
   return render_template('dashboard.html',title="Welcome,
"+uname,headings=headings,data=items)
 else:
   return redirect(url_for("signin"))
```

```
#-----register-----
@app.route('/signup', methods=['GET', 'POST'])
def signup():
 rmsg = "
 if session.get('registered')==True or session.get('loggedin')==True:
   return redirect(url_for("signin"))
 else:
   if request.method == 'POST':
     session.pop('loggedin',None)
     fname = request.form['name']
     mail = request.form['mail']
     npwd = request.form['npwd']
     cpwd = request.form['cpwd']
     check_sql = 'SELECT * FROM customers WHERE Email =?'
     stmt = ibm_db.prepare(conn, check_sql)
     ibm_db.bind_param(stmt, 1, mail)
     ibm_db.execute(stmt)
     acc_check = ibm_db.fetch_assoc(stmt)
     print(acc_check)
```

```
if acc_check and acc_check['EMAIL']==mail:
      rmsg = 'Account already exits!!'
      return render template('signup.html',title="Signup",rmsg=rmsg)
     elif not bool(re.match('[a-zA-Z\s]+$', fname)):
      rmsg = 'Name must contain only alphabets'
      return render_template('signup.html',title="Signup",rmsg=rmsg)
     elif not re.match(r'[^@]+@[^@]+\.[^@]+', mail):
      rmsg = 'Enter valid email address'
      return render_template('signup.html',title="Signup",rmsg=rmsg)
     elif npwd != cpwd:
      rmsg = 'Password does not match'
      return render_template('signup.html',title="Signup",rmsg=rmsg)
     else:
      sql = "INSERT INTO customers (Name, Email, Password, Cpassword)
VALUES(?,?,?,?);"
      istmt = ibm_db.prepare(conn, sql)
      ibm_db.bind_param(istmt, 1, fname)
      ibm_db.bind_param(istmt, 2, mail)
      ibm_db.bind_param(istmt, 3, npwd)
      ibm db.bind param(istmt, 4, cpwd)
```

```
ibm_db.execute(istmt)
      rmsg='Registeration Successful'
      session['registered'] = True
      return render_template('signin.html',title="Signin",lmsg=rmsg)
   else:
    return render_template('signup.html',title="Signup",rmsg=rmsg)
#-----orders-----
@app.route('/orders', methods=['GET', 'POST'])
def orders():
  if session.get('loggedin')== True:
    uname = session['uname']
    user = session['user']
    sql = 'SELECT * FROM ORDERS WHERE EMAIL =?'
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, user)
    ibm_db.execute(stmt)
    dictionary=ibm_db.fetch_assoc(stmt)
    items=[]
```

```
headings = [*dictionary]
    while dictionary != False:
      items.append(dictionary)
      dictionary = ibm_db.fetch_assoc(stmt)
    return render_template('orders.html',title=uname+'\'s
orders',headings=headings,data=items)
  else:
    return redirect(url_for("signin"))
#-----supplies-----
@app.route('/supplies', methods=['GET', 'POST'])
def supplies():
 if session.get('loggedin')!= True:
    return redirect(url_for("signin"))
 else:
   return render_template('supplies.html')
#-----profile-----
```

```
@app.route('/profile', methods=['GET', 'POST'])
def profile():
 if session.get('loggedin')== True:
   username=session['uname']
   email=session['user']
   return render_template('profile.html',usname=username,email=email)
 else:
   return redirect(url_for("signin"))
@app.route('/updatepassword', methods=['GET', 'POST'])
def updatepassword():
 if session.get('loggedin')!= True:
     return redirect(url_for("signin"))
 else:
   email=session['user']
   uname = session['uname']
   upmsg="Previous password not matched"
```

```
pp = request.form['prev-password']
   cp = request.form["cur-password"]
   cop = request.form['confirm-password']
   print(pp, cp)
   sql = "SELECT * FROM CUSTOMERS WHERE email =? AND PASSWORD=?"
   stmt = ibm_db.prepare(conn, sql)
   ibm_db.bind_param(stmt, 1, email)
   ibm_db.bind_param(stmt, 2, pp)
   ibm_db.execute(stmt)
   account = ibm_db.fetch_assoc(stmt)
   if account:
     query = 'UPDATE CUSTOMERS SET PASSWORD=?,CPASSWORD=? WHERE
EMAIL=?'
     pstmt = ibm_db.prepare(conn, query)
     ibm_db.bind_param(pstmt, 1, cp)
     ibm_db.bind_param(pstmt, 2, cop)
     ibm_db.bind_param(pstmt, 3, email)
     ibm_db.execute(pstmt)
     upmsg="Profile password updated"
   return render template('profile.html',usname=uname,email=email,upmsg=upmsg)
```

```
#-----editStock-----
@app.route('/editstock', methods=['GET', 'POST'])
def editstock():
 if session.get('loggedin')!= True:
    return redirect(url_for("signin"))
 else:
   return render_template('edit_stock.html')
#-----addItem-----
@app.route('/createitem', methods=['GET','POST'])
def createitem():
  if request.method == 'POST':
   cimsg="
   item_id = request.form['item_id']
   email = session['user']
   query = 'SELECT * FROM ITEMS WHERE ITEMID = ? AND EMAIL = ?'
```

```
stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt, 1, item_id)
    ibm_db.bind_param(stmt, 2, email)
    ibm_db.execute(stmt)
    dictionary = ibm_db.fetch_assoc(stmt)
    if bool(dictionary)==False:
      item_name=request.form['item_name']
      quantity = request.form['quantity']
      item_ppq=request.form['item_ppq']
      iprice=(int)(quantity)* (int)(item_ppq)
      query = 'INSERT INTO ITEMS
(ITEMID,ITEMNAME,ITEMSTOCK,ITEMRPQ,ITEMTOTALWORTH,EMAIL)
VALUES (?,?,?,?,?)'
      pstmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(pstmt, 1, item_id)
      ibm_db.bind_param(pstmt, 2, item_name)
      ibm_db.bind_param(pstmt, 3, quantity)
      ibm_db.bind_param(pstmt, 4, item_ppq)
      ibm_db.bind_param(pstmt, 5, iprice)
      ibm_db.bind_param(pstmt, 6, email)
      ibm_db.execute(pstmt)
```

```
cimsg="Item added successfully"
      return render_template('edit_stock.html',cimsg=cimsg)
    else:
      cimsg="Item already Exists!!"
      return render_template('edit_stock.html',cimsg=cimsg)
  else:
    return redirect(url_for('dashboard'))
#-----removeITEM-----
@app.route('/removeitem', methods=['GET','POST'])
def removeitem():
  if request.method == 'POST':
    delimsg="
    ritem = request.form['ritem']
    email = session['user']
    query = 'SELECT * FROM ITEMS WHERE ITEMID = ?'
    stmt = ibm_db.prepare(conn, query)
```

```
ibm_db.bind_param(stmt, 1, ritem)
    ibm_db.execute(stmt)
    dictionary = ibm_db.fetch_assoc(stmt)
    if bool(dictionary)==True:
      query = 'DELETE FROM ITEMS WHERE ITEMID = ? AND EMAIL = ?'
      pstmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(pstmt, 1, ritem)
      ibm_db.bind_param(pstmt, 2, email)
      ibm_db.execute(pstmt)
      delimsg="Item Removed successfully"
      return render_template('edit_stock.html',delimsg=delimsg)
    else:
      delimsg="Item Does Not Exists!!"
      return render_template('edit_stock.html',delimsg=delimsg)
  else:
    return redirect(url_for('dashboard'))
#-----addOrder-----
```

```
@app.route('/createorder', methods=['GET','POST'])
def createorder():
  if request.method == 'POST':
    comsg="
    ord_id = request.form['ord_id']
    oitem_id =request.form['oitem_id']
    email = session['user']
    query = 'SELECT * FROM ORDERS WHERE ORDERID = ? AND ITEMID = ? AND
EMAIL = ?'
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt, 1, ord_id)
    ibm_db.bind_param(stmt, 2, oitem_id)
    ibm_db.bind_param(stmt, 3, email)
    ibm_db.execute(stmt)
    dictionary = ibm_db.fetch_assoc(stmt)
    if bool(dictionary)==False:
      ord_quantity = request.form['ord_quantity']
      oitem_ppq=request.form['oitem_ppq']
       oprice=(int)(ord_quantity)* (int)(oitem_ppq)
```

query = 'INSERT INTO ORDERS (ORDERID,ITEMID,ITEMQUANTITYSOLD,ITEMRPQ,TOTAL,EMAIL) VALUES (?,?,?,?,?)'

```
pstmt = ibm_db.prepare(conn, query)
ibm_db.bind_param(pstmt, 1, ord_id)
ibm_db.bind_param(pstmt, 2, oitem_id)
ibm_db.bind_param(pstmt, 3, ord_quantity)
ibm_db.bind_param(pstmt, 4, oitem_ppq)
ibm_db.bind_param(pstmt, 5, oprice)
ibm_db.bind_param(pstmt, 6, email)
ibm_db.execute(pstmt)
session['ord_id'] = ord_id
session['ord_item_id'] = oitem_id
session['ord_quantity'] = ord_quantity
session['ord_item_ppq'] = oitem_ppq
comsg="Order created successfully"
sql = 'SELECT * FROM ITEMS WHERE EMAIL =?'
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt, 1, email)
ibm_db.execute(stmt)
```

```
dictionary=ibm_db.fetch_assoc(stmt)
      oiqty=dictionary["ITEMSTOCK"]
      niqty=ord_quantity
      new_qty = int(oiqty) - int(niqty)
      new_total = int(new_qty)*int(oitem_ppq)
      query = 'UPDATE ITEMS SET
ITEMSTOCK=?,ITEMRPQ=?,ITEMTOTALWORTH=? WHERE ITEMID=? AND
EMAIL=?'
      pstmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(pstmt, 1, new_qty)
      ibm_db.bind_param(pstmt, 2, oitem_ppq)
      ibm_db.bind_param(pstmt, 3, new_total)
      ibm_db.bind_param(pstmt, 4, oitem_id)
      ibm_db.bind_param(pstmt, 5, email)
      ibm_db.execute(pstmt)
      return render_template('orders.html',comsg=comsg)
    else:
      comsg="Order already Exists!!"
      return render_template('orders.html',comsg=comsg)
```

```
else:
    return redirect(url_for('dashboard'))
#-----updateOrder-----
@app.route('/updateorder', methods=['GET','POST'])
def updateorder():
  if request.method == 'POST':
    upomsg="
    up_ord_id = request.form['up_ord_id']
    up_ord_item =request.form['up_ord_item']
    email = session['user']
    query = 'SELECT * FROM ORDERS WHERE ORDERID = ? AND ITEMID = ? AND
EMAIL = ?'
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt, 1, up_ord_id)
    ibm_db.bind_param(stmt, 2, up_ord_item)
    ibm_db.bind_param(stmt, 3, email)
    ibm_db.execute(stmt)
    dictionary = ibm_db.fetch_assoc(stmt)
```

```
if bool(dictionary)==True:
      ord_up_quantity = request.form['ord_up_quantity']
      upd_item_ppq = request.form['upd_item_ppq']
      uoprice=(int)(ord_up_quantity)* (int)(upd_item_ppq)
      query = 'UPDATE ORDERS SET
ITEMQUANTITYSOLD=?,ITEMRPQ=?,TOTAL=? WHERE ORDERID=? AND
ITEMID=? AND EMAIL=?'
      pstmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(pstmt, 1, ord_up_quantity)
      ibm_db.bind_param(pstmt, 2, upd_item_ppq)
      ibm_db.bind_param(pstmt, 3, uoprice)
      ibm_db.bind_param(pstmt, 4, up_ord_id)
      ibm_db.bind_param(pstmt, 5, up_ord_item)
      ibm_db.bind_param(pstmt, 6, email)
      ibm_db.execute(pstmt)
      upomsg="Order updated successfully"
      return render_template('orders.html',upomsg=upomsg)
    else:
      upomsg="Order Does Not Exists!!"
```

```
return render_template('orders.html',upomsg=upomsg)
  else:
    return redirect(url_for('dashboard'))
#----removeORDER-----
@app.route('/removeorder', methods=['GET','POST'])
def removeorder():
  if request.method == 'POST':
    delomsg="
    cancel_ord = request.form['cancel_ord']
    email = session['user']
    query = 'SELECT * FROM ORDERS WHERE ORDERID = ?'
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt, 1, cancel_ord)
    ibm_db.execute(stmt)
    dictionary = ibm_db.fetch_assoc(stmt)
    if bool(dictionary)==True:
      query = 'DELETE FROM ORDERS WHERE ORDERID = ? AND EMAIL = ?'
      pstmt = ibm_db.prepare(conn, query)
```

```
ibm_db.bind_param(pstmt, 1, cancel_ord)
          ibm_db.bind_param(pstmt, 2, email)
          ibm_db.execute(pstmt)
          delomsg="Order Cancelled successfully"
          return render_template('orders.html',delomsg=delomsg)
        else:
          delomsg="Order Does Not Exists!!"
          return render_template('orders.html',delomsg=delomsg)
     else:
        return redirect(url_for('dashboard'))
   if __name__ == '__main__':
     app.run(debug = True)
GitHub:
       https://github.com/IBM-EPBL/IBM-Project-19340-1659696489
Project Demo Link:
       https://drive.google.com/drive/folders/16nxxjnuDNBQHuqd35HWlsE0D50 L1uQC
```