INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

A PROJECT REPORT

Submitted By

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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. 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.

Inventory management software is a *software system* for tracking *inventory* levels, orders, *sales* and deliveries. It can also be used in the *manufacturing* industry to create a *work order*, *bill of materials* and other production-related documents. Companies use inventory management software to avoid product *overstock* and outages. It is a tool for organizing inventory *data* that before was generally stored in hard-copy form or in *spreadsheets*.

A fully automated demand forecasting and inventory optimization system to attain key inventory optimization metrics such as:

A. Reorder point: the number of units that should trigger a replenishment order
B. Order quantity: the number of units that should be reordered, based on the reorder point, stock on hand and stock on order.
C. Lead demand: the number of units that will be sold during the lead time
D. Stock cover: the number of days left before a ***stockout*** if no reorder is made
E. Accuracy: the expected accuracy of the forecasts.

1.2. Purpose

The purpose of the Point of Sales and Inventory system is to serve customers efficiently. This study aims to help the staff/employees of TH

Garment Center make their work faster by using the system where they can monitor the remaining products in the records where they can see in the database. The system will provide a good service to the company like better transaction process that brings bigger profit.

2. LITERATURE SURVEY

2.1 Existing problem

Security and privacy Edit

Using the cloud means that data is managed by a third party provider and there can be a risk of data being accessed by unauthorized users.

Dependency Edit

Since maintenance is managed by the vendor, users are essentially fully dependent on the provider.

Decreased flexibility Edit

Depending on the cloud service provider, system and software upgrades will be performed based on their schedule, hence businesses may experience some limitations in flexibility in the process.

Integration Edit

Not all on-premises systems or service providers can be synced with the cloud software used.

2.2 References

* https://www.researchgate.net/publication/282069074_A_Cloud-Based_Retail_Management_System

*https://www.researchgate.net/publication/352910876_Cloud-Based_Inventory_System_for_Effective_Management_of_Under_and_Over-stock_Hazards

*https://store.sap.com/dcp/en/news-blogs/blogs/driving-toward-customer-adaptive-retail-with-cloud-solutions-on-sap-store?campaigncode=CRM-YD22-SOC-0RETBLZ&source=socialad-RETAILBLOG-GL-202227&gclid=Cj0KCQiA1NebBhDDARIsAANiDD0pWfClqkS2En-Y4JRlKsDexPLgTuhz67_1x_8YvFe-YkjDkamXiK4aAg6xEALw_wcB

2.3. Problem statement definition

Retailers inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too munch

on hand. By mananging inventory, retaliers 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 pattern. Retail inventory management tools and methods give retailers more information on which to run their businesses. Application have been developed to help retaliers track and manage stocks related to their own products.The system will ask retaliers to create their accounts by providing essential details. Retaliers can access their accounts by logging into the application once retaliers successfully log in to the application they can view details of the current inventory details,also users will be able to add new stock by submitting essentail 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.

DATA AND TIME ISSUES

For inventory retalier system date and time are very important issuses for customer and retaliers because,an increase and decrease of price play major role.
⇛ An increase an price is effected an retaliers and decrease an price is effected an customer
⇒ Customer are major role on inventory
⇒ So, customer sastification are very important

solution: Date and time are setup to automatically change their prices day by day for their date and price of company on that day.

CHANGING DEMAND

Customer demand is constantly shifting. Keeping too much could result in obsolete inventory you are unable to sell, while keeping too little could leave you unable to fulfil customer orders.
⇒ Order strategies for core items as well as technology to create and execute an inventory plan, can help compensate for changing demand.

Solution: Demand forecasting some inventory management platforms include demand forecasting tools. This feature integrates with accounting and sales data to help you predict demand and schedule orders based on shifting customer perferences, material availability or seasonal trends.

Inconsistent Tracking

Using manual inventory tracking procedures across different software and spreadsheets is time-consuming, redundant and vulnerable to errors. >Even small businesses can benefit from a centralized inventory tracking system that includes accounting.

solution: Centralized Tracking consider upgrading to tracking software that provides automated features for re-ordering and procurement. Inventory management platforms provide centralized, cloud-based databases for accurate, automatic inventory updates and real-time data backup.

Retailers inventory ware house issues

An warehouse issue are, affect complete retailer

>Damaged inventory, inaccurate inventory counts and other inventory related issues occur everywhere

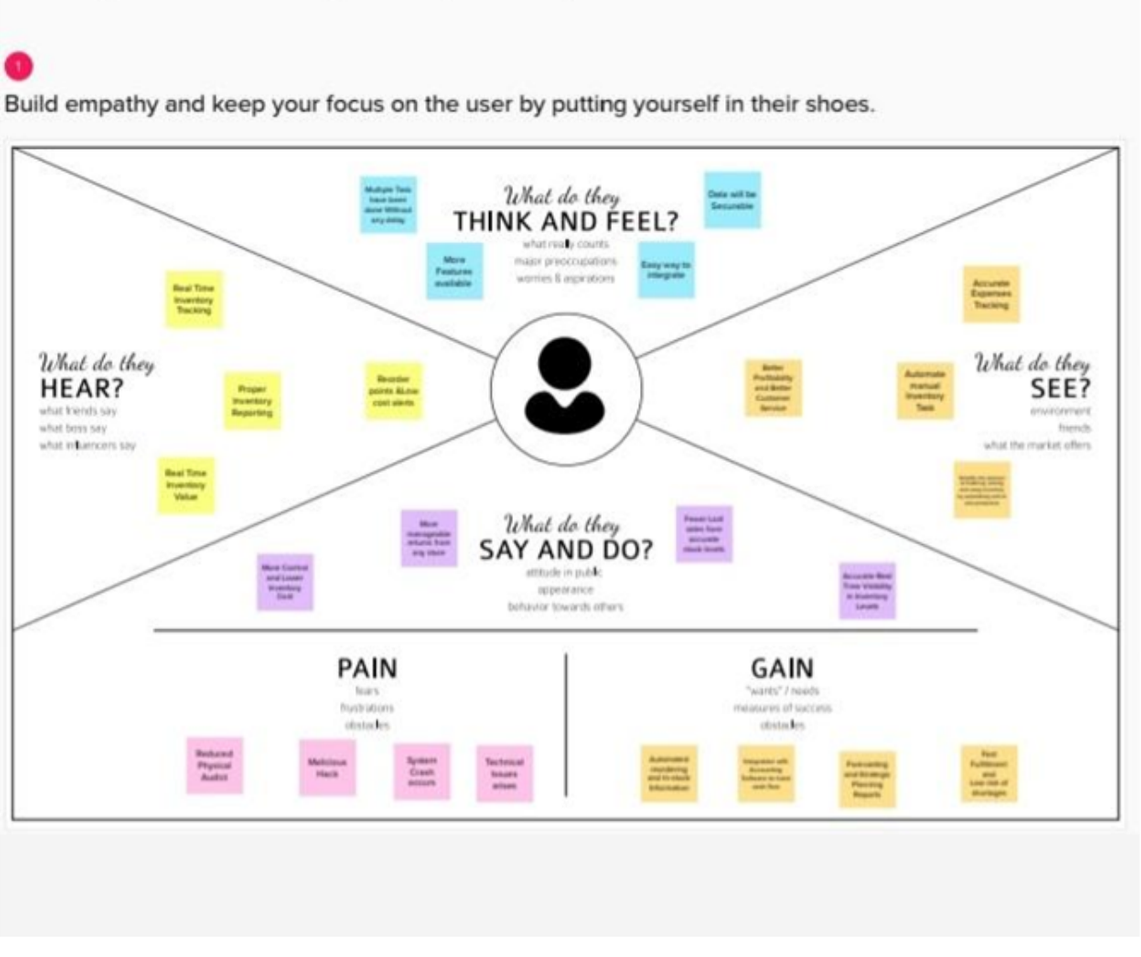
>In accuracy remains one of the biggest problems facing all warehouses.

>In accuracy takes shape in many forms, such as inaccurate quantities inaccurate storage locations, inaccurate pricing and inaccurate identification

Solution: an overselling are flow of inventory

3.IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas

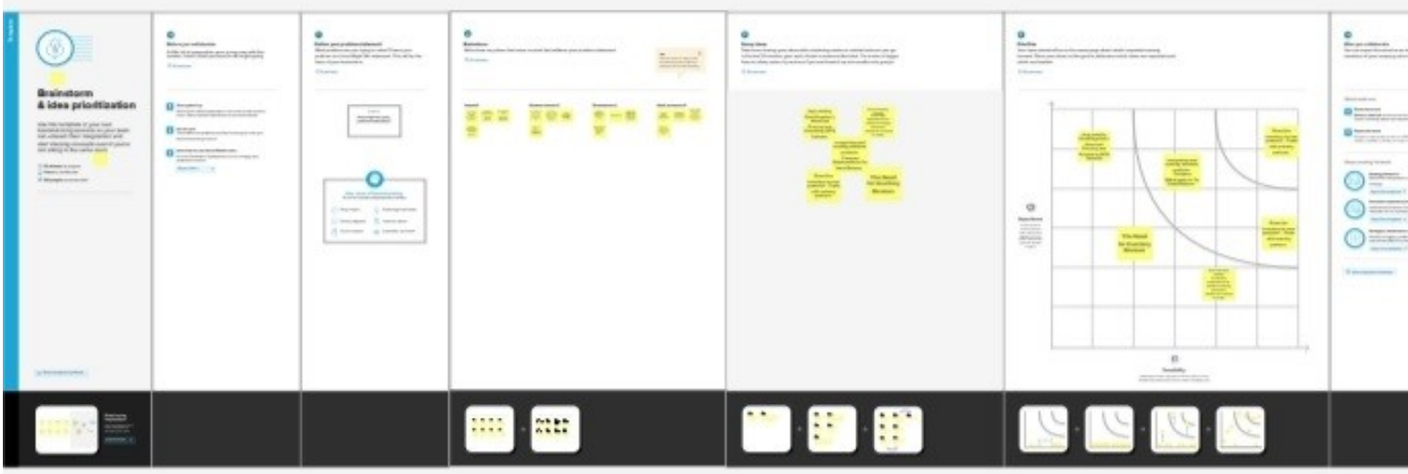


An empathy map helps to map what a design team knows about the potential audience. This tool helps to understand the reason behind some actions a user takes deeply. This tool helps build Empathy towards users and helps design teams shift focus from the product to the users who are going to use the product. As the team learns more about the users, they place that information on the chart and gain an in-depth view of the user behavior, problems, opportunities.

The benefits includes are below:

1. More understanding of the Target Audience
2. More Organized Information in easy to understand format
3. Fast and Inexpensive
4. Easy Customization
5. Common Understanding and same mindset of whole team members
6. It describes what users think, say, feel, do

3.2 Ideation & Brainstorming



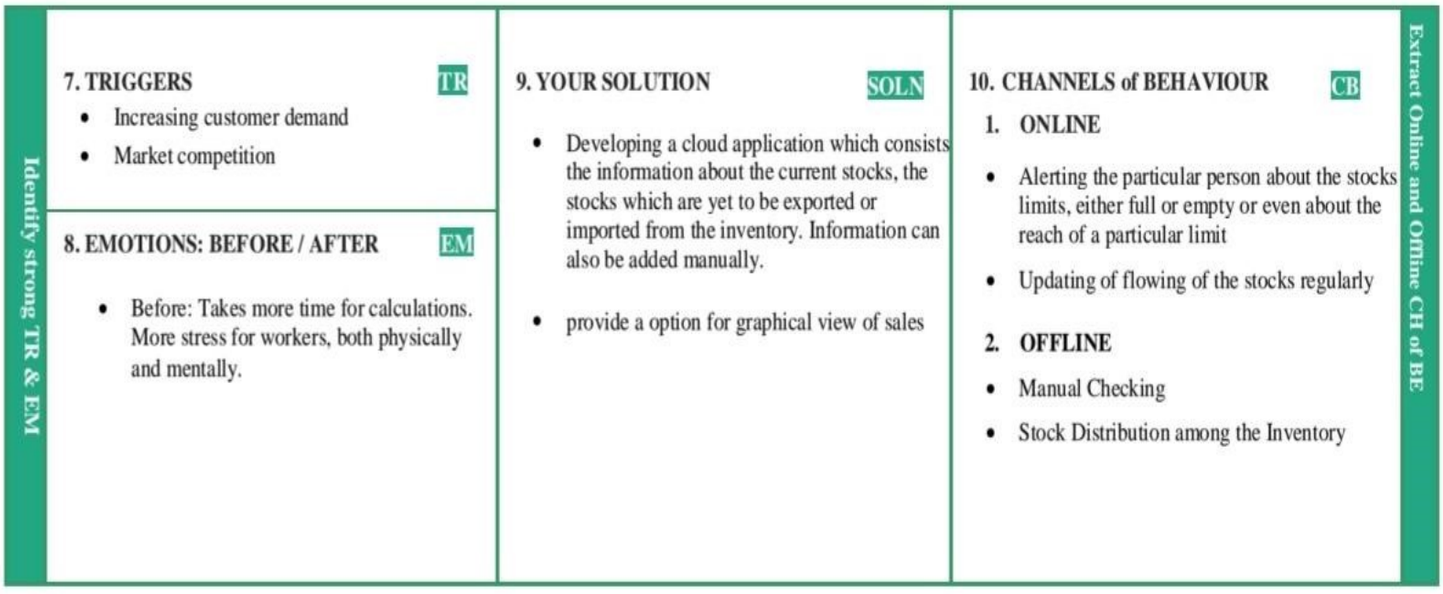
Brainstroming is the process by which ideas are produced using techniques like concept mapping,free writting,etc.It can be used choose a topic ,narrow down a board topic, or to boarden a too narrow topic. Choosing a topic can be a difficult process when starting an assignment,writting a paper,or wroking on an oral presentation

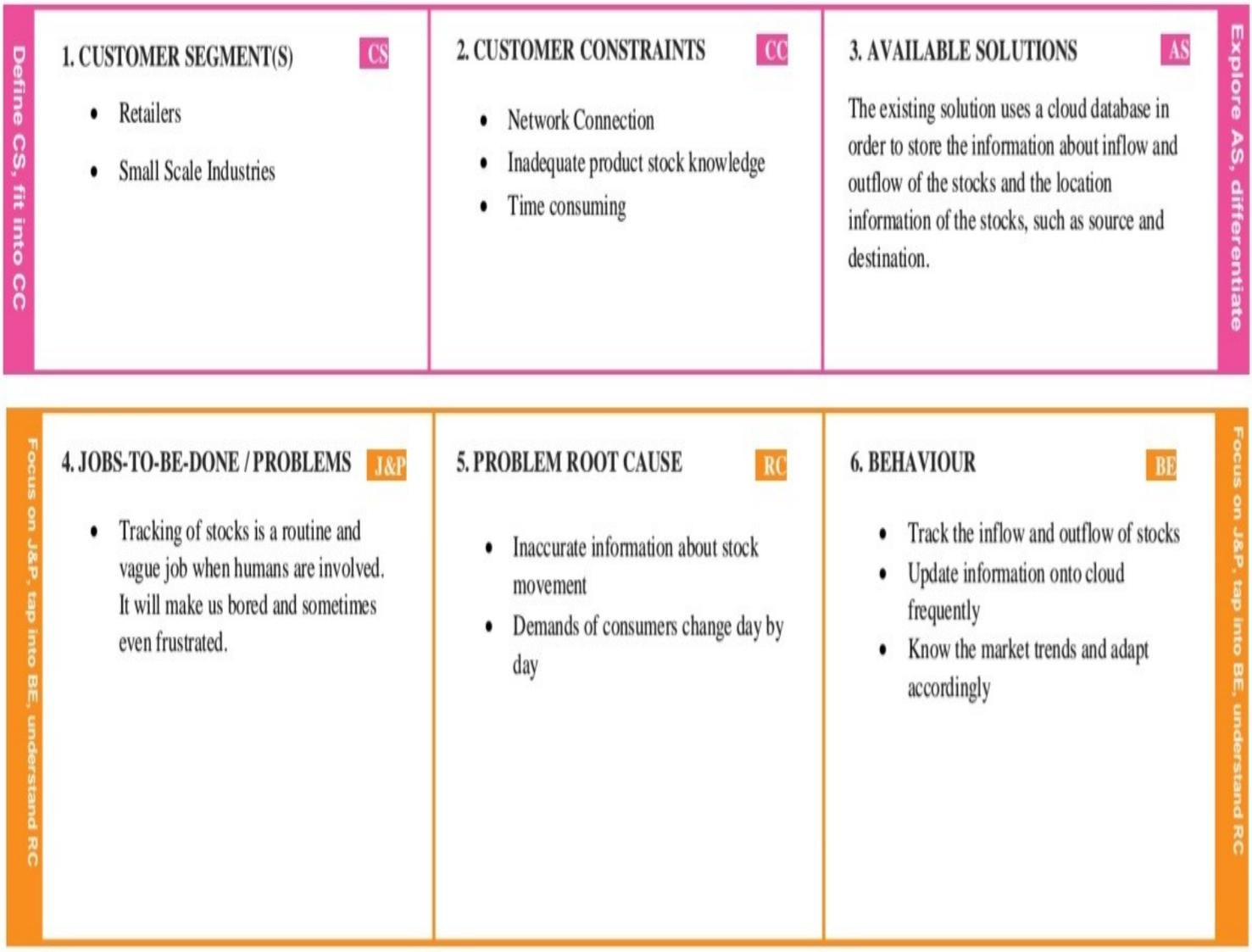
3.3. Proposed Solution

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	1.Ineffecient warehouse Management. 2.Over selling. 3.Spoiled Goods.
2.	Idea / Solution description	1. Manual processing is error-prone, especially in complicated process like inventory management. Retail inventory management can ease the pain of process. its also improves overall accuracy and business productivity. 2. Specific inventory management software for retail can streamline core activities. 3. To-increase anywhere for retail can help shorten the process cycles of tedious inventory processes.
3.	Novelty / Uniqueness	1.Barcoding and Ragging eliminate standard human error, which often occurs due to manual data accumulation. 2. Inventory Tracking ,Warehouse requires a workforce to keep a tab at every step.

4.	Social Impact / Customer Satisfaction	1.Finical factors. Factors such as the cost of borrowing money to stock enough inventory can greatly influence inventory management. 2.suppliers.suppliers can have a huge influence on inventory control.
5.	Business Model (Revenue Model)	1.Economic order Quantity 2.Inventory management production quantity and ABC analysis
6.	Scalability of the Solution	1.Retail system software (RMS). 2.Retail innovation is all about change that provides tangible value to shoppers

3.4 Problem solution fit





4. REQUIREMENT ANALYSIS

4.1Functional requirement

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through application Registration through Gmail

FR-3	Customer demand	Product offers the features that can help fulfil their specific needs. (Product , quantities ,quality , price)
FR-4	Stock verification	Verify the stock of stores and coal in the custody of loco foremen of running sheds and of stores with the head train examiners in the same manner as prescribed in the case of verification of stores depots.
FR-5	User recognition	Online and offline stock maintenance raw materials work-in-process ,finished goods , and maintenance, repair and overhaul .
FR-6	End user benefits	To know entire data analysis for inventory management

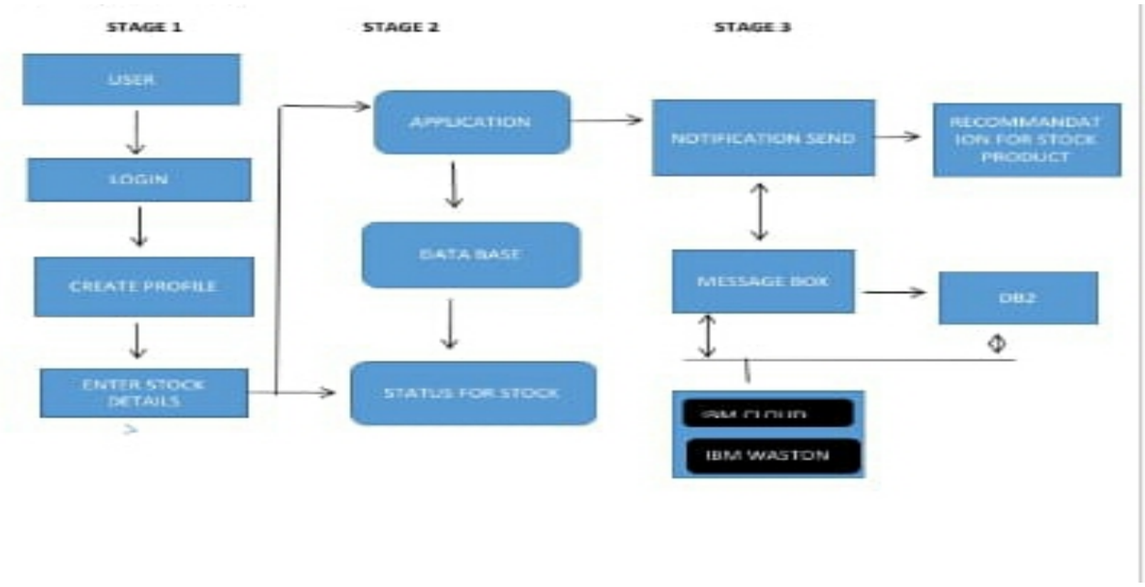
4.2 Non-Functional requirements

FR No.	**Non-Functional Requirement**	**Description**
NFR-1	**Usability**	The system must be use by both managers and chefs such that they do not need to read an extensive amount of manuals. The system must be quickly accessible by both managers and chefs.

NFR-2	**Security**	Define how the system should confront the malwares.
NFR-3	**Reliability**	The system must give accurate inventory status to the user continuously. Any inaccuracies are taken care by the regular confirming of the actual levels with the levels displayed in the system.
NFR-4	**Performance**	The system must not lag, because the workers using it don't have down-time to wait for it to complete an action.
NFR-5	**Availability**	Stands for the system's reliability and accessibility to the user.
NFR-6	**Scalability**	Define the system's capability to handle the workloads.

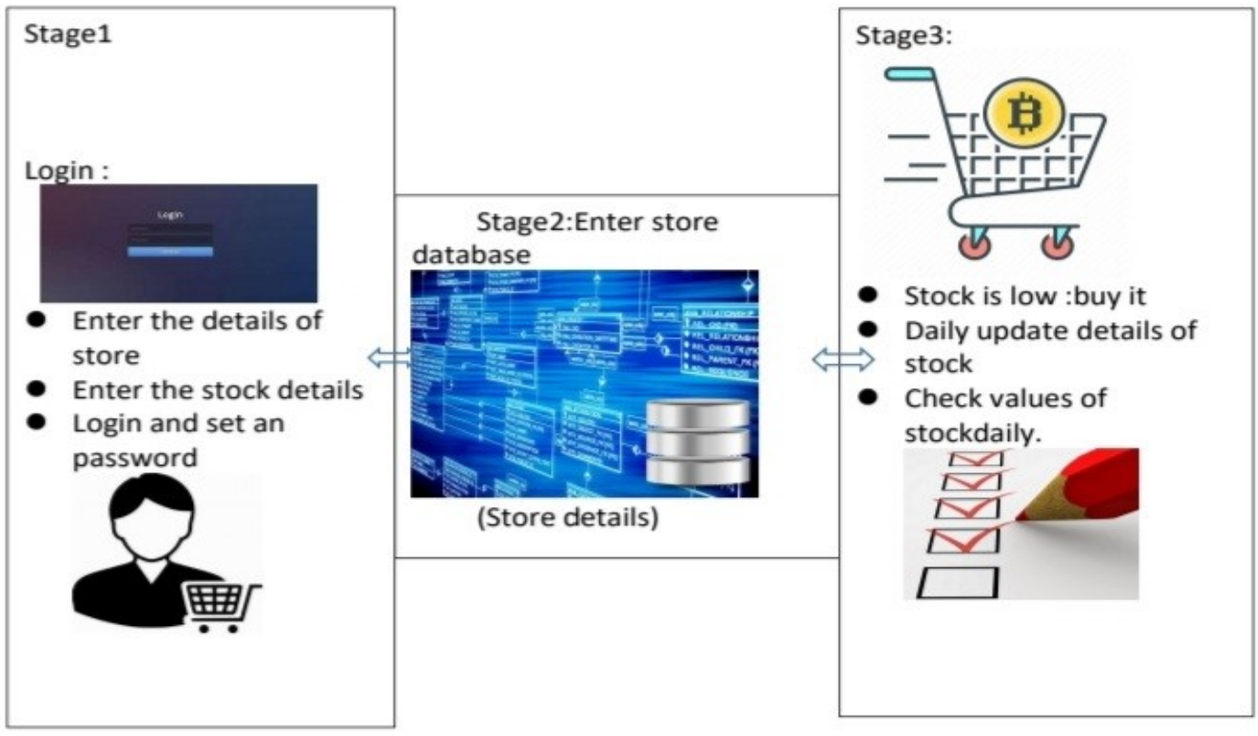
5. PROJECT DESIGN

5.1Data Flow Diagrams

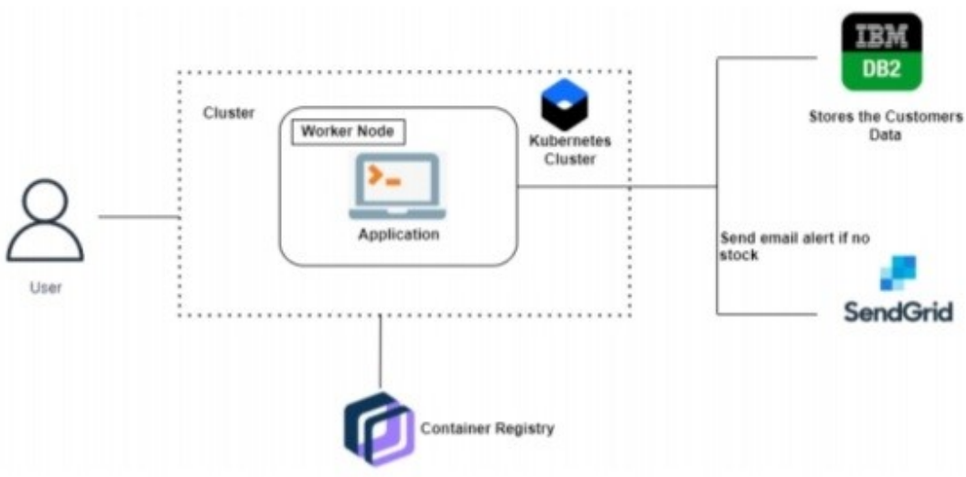


5.2.1 Solution & Technical Architecture

Solution



Technical Architecture



5.2.2 User Stories

USERTYPE	FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	USERSTORY /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-2
		USN-4	As a user, I can register for the application through Gmail		medium	Sprint-1

	LOGIN	USN-5	As a user, I can log into the application by entering email & password		high	Sprint-1
CUSTOMER (WEB USER)	LOGIN	USN-6	As a user, I can log into application by entering my email, password.	I can access my account / dashboard	high	Sprint-1
CUSTOMER CARE EXECUTIVE		USN-7	It can be used by easily access and responsible	I can access by easily Through application	high	Sprint-1
ADMINISTRATION		USN-8	As a Administrator I can Update the application	I can fix the bug which Arises for the customers and users of the application	medium	Sprint-1

6.PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Project Tracker, Velocity & Burndown Chart: (4 Marks)

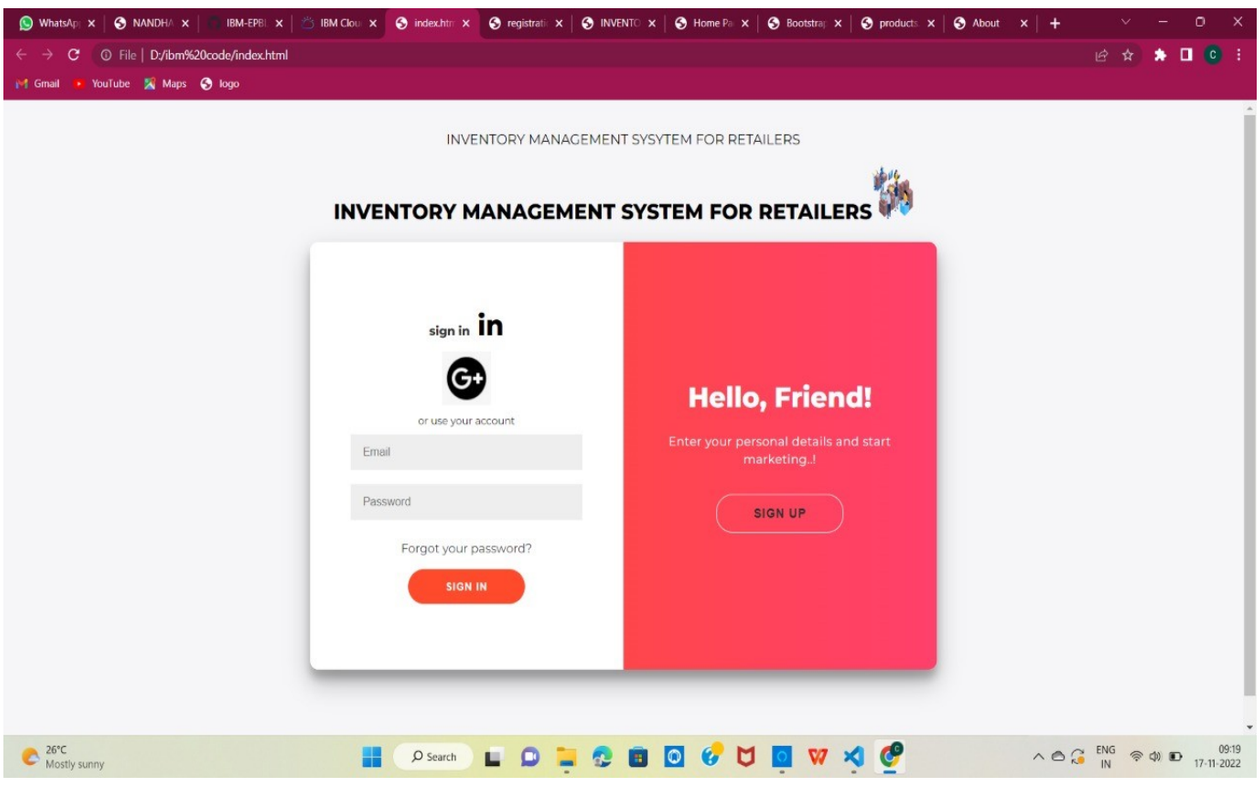
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

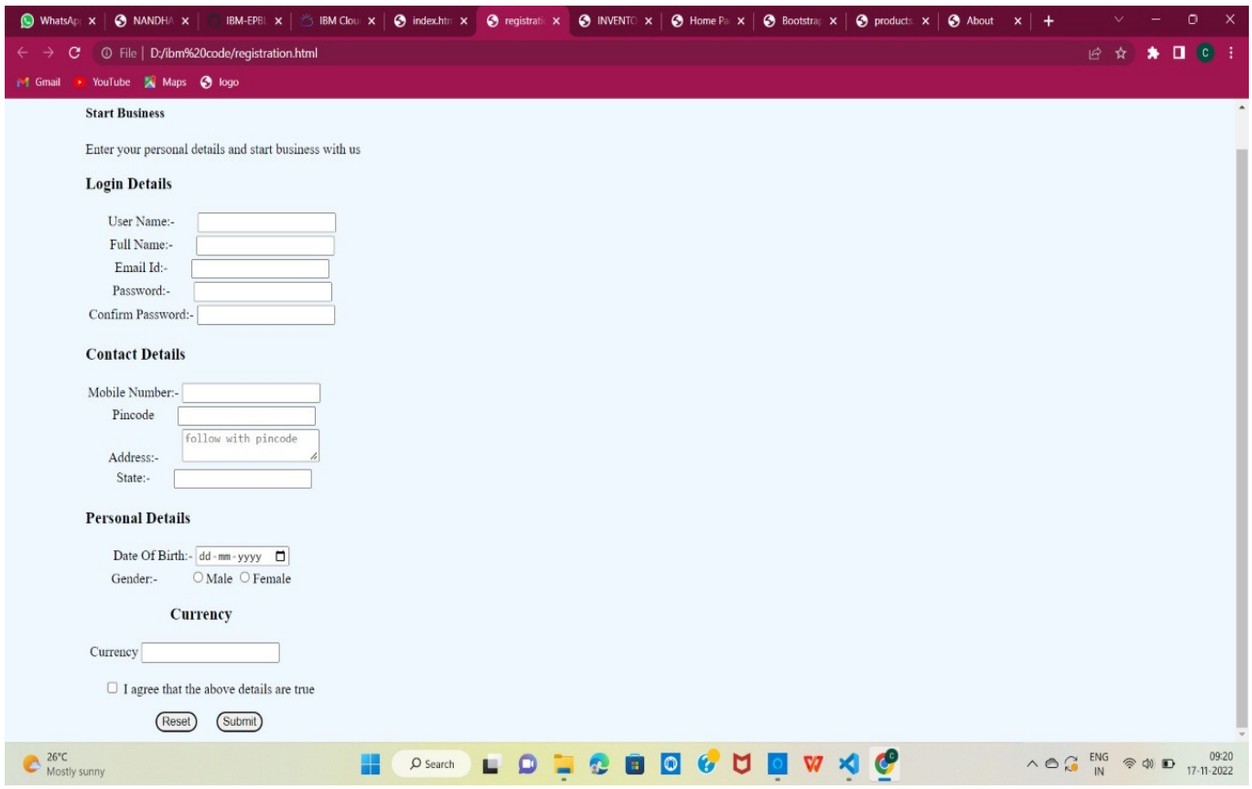
Product Backlog, Sprint Schedule, and Estimation (4 Marks)

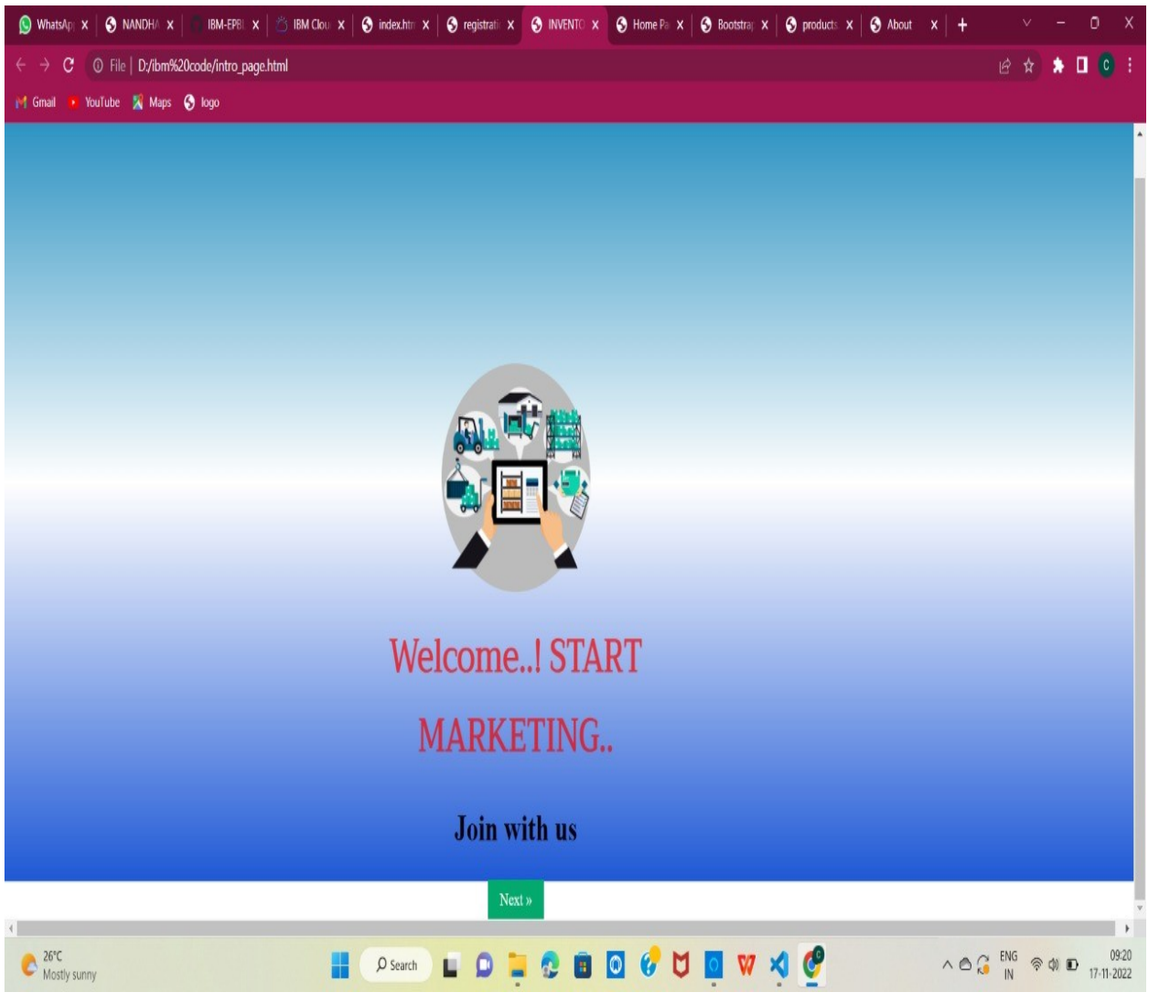
Use the below template to create product backlog and sprint schedule

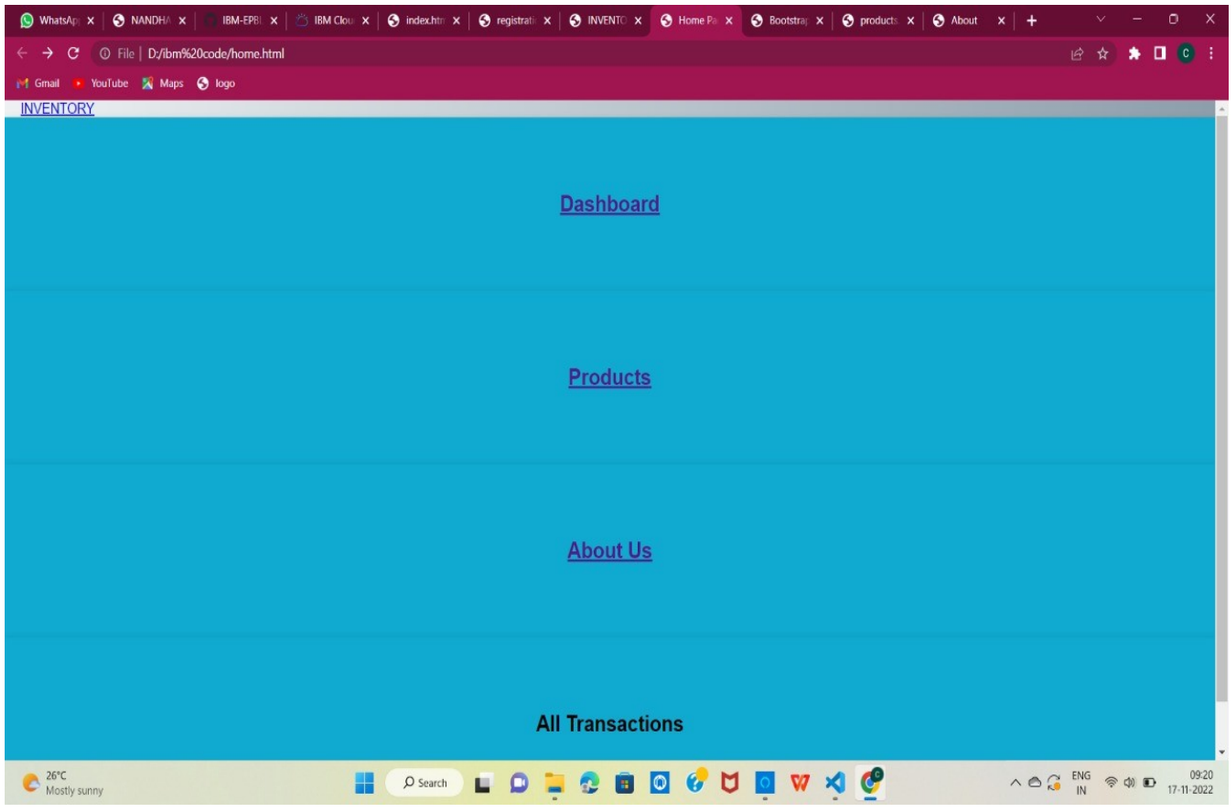
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	DINESHWARAN
Sprint-1	Registration	USN-2	As an existing user, I can login with existing user mail id / user name with password	1	High	SWATHI
Sprint-2	Login	USN-4	As a user i can login with my login credentials	2	Medium	SASTHACHANDRU
Sprint-2	Login	USN-5	As a user, I can login with my industrial login credentials	1	High	OUBLISARAVANAN
Sprint-3	Dashboard	USN-6	As a user, If I Logged in correctly, I can view my dashboard and I can navigate to any pages which are already listed there	2	High	DINESHWARAN
Sprint-4	Deployment	USN-7	As a user i can able to access another browser while using this application through online	2	High	SASTHACHANDRU
Sprint-4	Alert	USN-8	As a user i should able to get an alert for insufficient retails the stock	2	High	SWATHI

6.2 Sprint Delivery Schedule

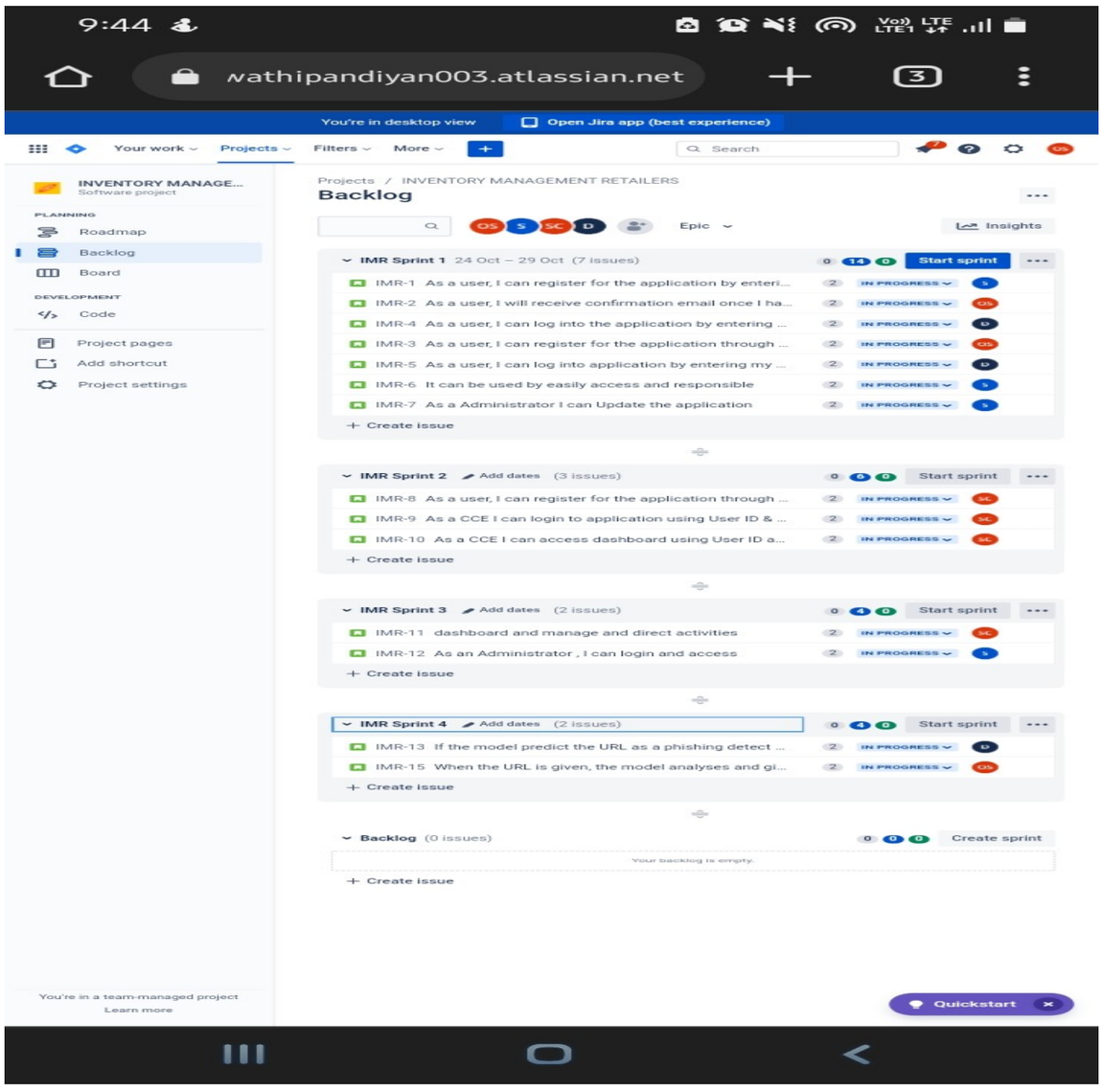



File | D:/ibm%20code/registration.html
Gmail
YouTube
Maps
logo
Start Business
Enter your personal details and start business with us
Login Details
User Name:-
Full Name:-
Email Id:-
Password:-
Confirm Password:-
Contact Details
Mobile Number:-
Pincode
follow with pincode
Address:-
State:-
Personal Details
Date Of Birth:-
dd-mm-yyyy
Gender:-
Male
Female
Currency
Currency
I agree that the above details are true
Reset
Submit
26°C
Mostly sunny
Search
ENG
IN
09:20
17-11-2022


File | D:/ibm%20code/intro_page.html
Gmail
YouTube
Maps
logo
Welcome..! START
MARKETING..
Join with us
Next »
26°C
Mostly sunny
Search
ENG
IN
09:20
17-11-2022



6.3 Reports from JIRA



7. CODING & SOLUTIONING

7.1 Feature 1

Retail Management Features and code:

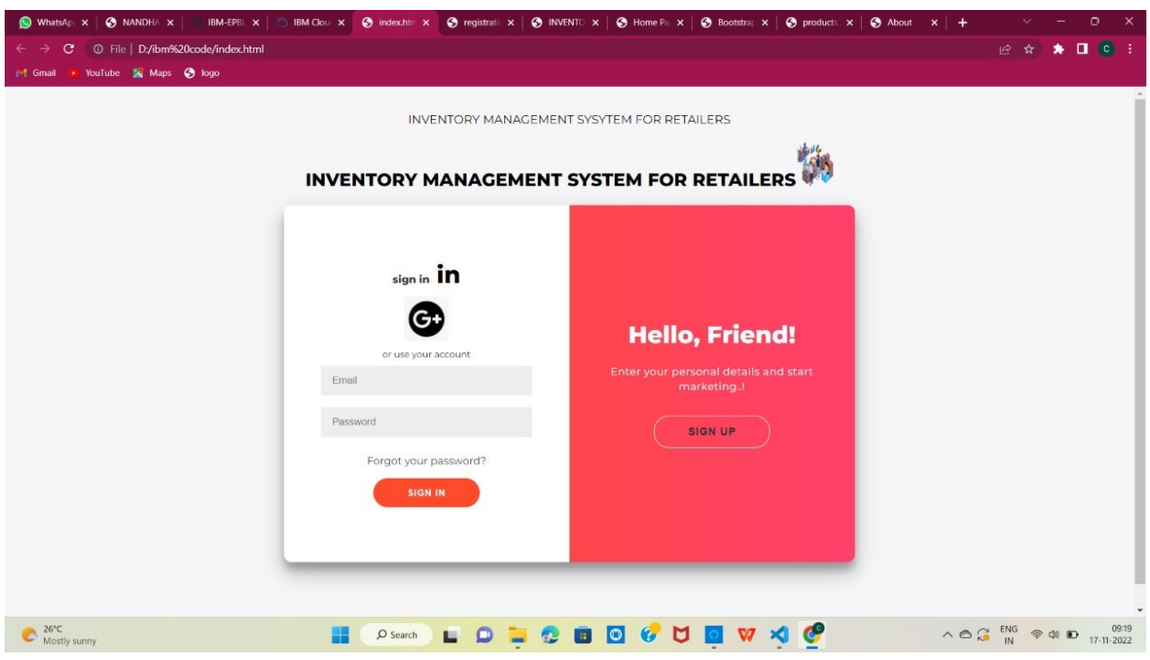
Description

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. 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.

Home Page



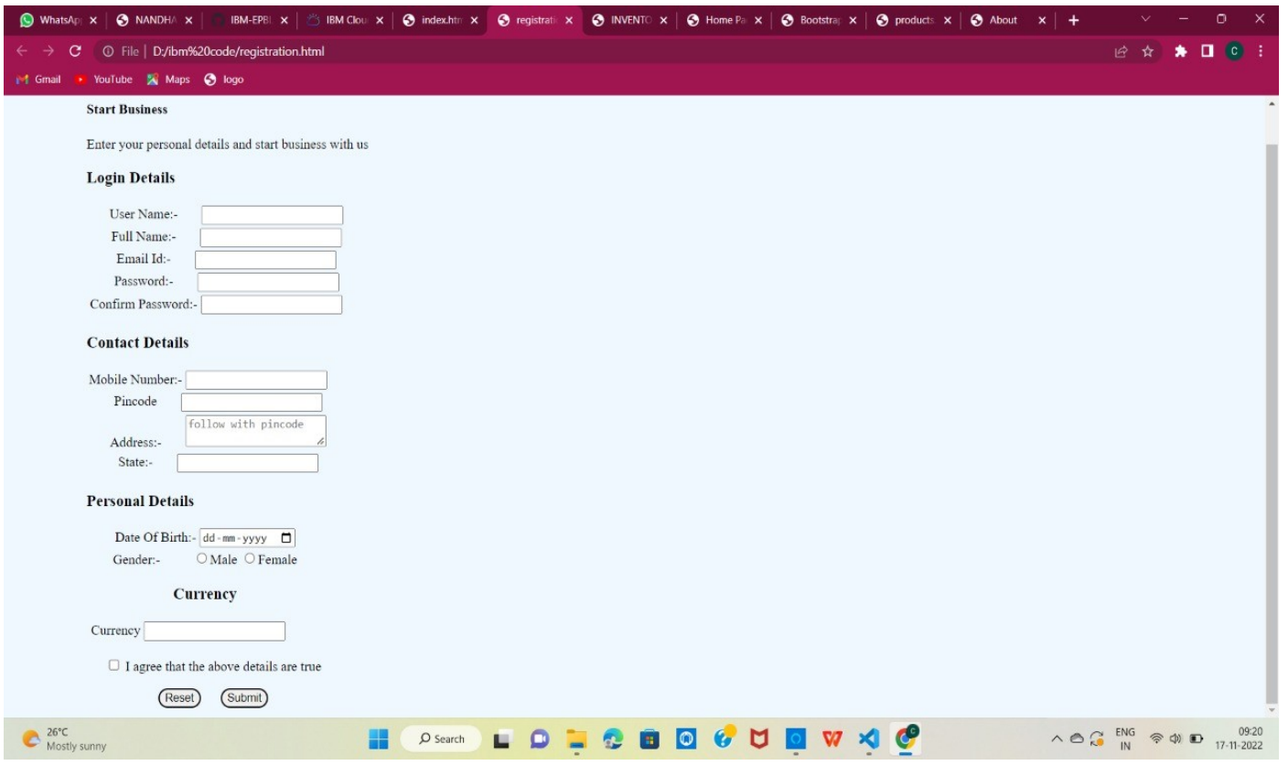
Code:

```
<html>
    <head
        <title>INVENTORY MANAGEMENT SYSYTEM FOR RETAILERS</title>
        <link href="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/login.css" rel="stylesheet"/>
    </head>
    <body>
        <h2>INVENTORY MANAGEMENT SYSTEM FOR RETAILERS<img
src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cf6641.webp" width="50" height="60"></h2>
        <div class="container" id="container">
            <div class="form-container sign-up-container">
                <form action="#">
                    <h1>Create Account</h1>
                    <div class="social-container">
                              <a href="#" class="social"><i class="fab
fa-google-plus-g"><img src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/WhatsApp%20Image.jpeg"></i></a>
                         </div>
                    <span>or use your email for registration</span>
                         <input type="text" placeholder="Name" />
                         <input type="email" placeholder="Email" />
                         <input type="password" placeholder="Password" />
                         <button><a href="registration.html">Sign
up</a></button>
                </form>
            </div>
            <div class="form-container sign-in-container">
                <form action="#">
                    <link rel="stylesheet" href="F:\ibm\sprint\sprint 1
duplicate\login\css\login3.css">
                    <h1><a href="registration.html">sign in</a> </h1>
                    <div class="social-container">
                              <a href="#" class="social"><i class="fab
fa-google-plus-g"><img src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/WhatsApp%20Image.jpeg"></i></a>
                    </div>
                    <span>or use your account</span>
                         <input type="email" placeholder="Email" />
                         <input type="password" placeholder="Password" />
                         <a href="#">Forgot your password?</a>
                         <button>Sign In</button>
                </form>
            </div>
            <div class="overlay-container">
                <div class="overlay">
                    <div class="overlay-panel overlay-left">
                        <h1>Welcome Back!</h1>
                        <p>To keep connected with us please login with
your personal info</p>
                              <button class="ghost" id="signIn">Sign
In</button>
                    </div>
                    <div class="overlay-panel overlay-right">
                        <h1>Hello, Friend!</h1>
```

```
                                <p>Enter your personal details and start
marketing..!</p>
                        <button class="ghost" id="signUp"><a
href="registration.html">Sign Up</a></button>
                    </div>
                </div>
            </div>
        </div>
        <script src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/login3.js"></script>
    </body>
</html>
```

7.2 Feature 2

Login Page:



Code:

```
<!DOCTYPE html>
<html>

<head>
    <title></title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" type="text/css"
href="{{url_for('static',filename='style.css')}}">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css')}}">
    <style type="text/css">
        body{
            margin: 10px 10px 10px 100px;
            background-color: aliceblue;

        }
```

```
        .error {
            color: red;
        }

        .fm1 {
            text-align: center;
        }

        .lb1 {
            text-align: center;
            padding: 25px;
        }

        .lb2 {
            margin-left: 20px;
        }

        .lb3 {
            margin-right: 35px;
        }

        .container {
            display: block;
        }
        .k{
            border-radius: 15px;
        }
    </style>
</head>

<body>

    <?php
include 'header.php';
?>

    <div class="heading fix">
        <label class="lb1">REGISTRATION</label>
    </div>
    <div class="outerbox">
        <div class="fixedbox">
            <span class="content">
                <h4>Start Business</h4>
                <p>Enter your personal details and start business with
us</p>
            </span>
        </div>
        <div class="scrollbox">
            <div class="registerdonor">
                <form action="process.php" method="POST" id="myform">
                    <div class="login">
                        <h3>Login Details</h3>
                        <table class="fm1">
                            <tr>
                                <td colspan="2">
                                    <label class="lb1"
class="username">User Name:-</label>
                                    <input type="text" name="user_name"
required pattern="^[A-Za-z0-9._%+-@]{5,10}$"
```

```
                                        title="Enter a username between 5
to 10 letter" autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label class="lb1">Full Name:-</label>
                                    <input type="text"
name="user_full_name" required pattern="[A-z ]+$"
                                        title="Use only character &
whitespace" autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label class="lb1">Email Id:-</label>
                                    <input type="email" name="user_email"
required
                                        pattern="[A-Za-z0-9._%+-]+@[A-z0-
9.-]+\.[a-z]{2,}$"
                                        title="Email id is not Valid"
autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label class="lb1">Password:-</label>
                                    <input type="password" name="password"
required
                                        pattern="(?=.\d)(?=.[a-z])(?=.*[A-
Z]).{6,}"
                                        title="Must contain at least one
number and one uppercase and lowercase letter, and at least 6 or more
characters"
                                        id="password" autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label>Confirm Password:-</label>
                                    <input type="text"
name="confirm_password" required
                                        pattern="(?=.\d)(?=.[a-z])(?=.*[A-
Z]).{6,}"
                                        title="Must contain at least one
number and one uppercase and lowercase letter, and at least 6 or more
characters"
                                        id="confirm_password"
autocomplete="off">
                                </td>
                            </tr>
                        </table>
                    </div>
                    <div class="container">
                        <h3>Contact Details</h3>
                        <table class="fm1">
                            <tr>
                                <td>
                                    <label>Mobile Number:-</label>
                                    <input type="text" name="user_number"
```

```
required pattern="^[1-9]{1}[0-9]{9}$"
                                        title="Number is not valid"
autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label class="lb1">Pincode</label>
                                    <input type="text" name="pincode"
required pattern="^[0-9]{6}$"
                                        title="Pincode is not valid"
autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td rowspan="1">
                                    <label class="lb1">Address:-</label>
                                    <textarea name="Address"
placeholder="follow with pincode" required></textarea>
                                </td>
                            </tr>


                            <tr>
                                <td>
                                    <label class="lb1">State:-</label>
                                    <input type="text" name="state">
                                </td>
                            </tr>
                        </table>
                    </div>
                    <div class="personal">
                        <h3>Personal Details</h3>
                        <table class="fm1">
                            <tr>
                                <td>
                                    <label>Date Of Birth:-</label>
                                    <input type="date"
name="date_of_birth" required autocomplete="off">
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <div class="radio">
                                        <label class="lb3">Gender:-
</label>
                                        <input type="radio" name="gender"
class="radio1" value="Male"><span
                                            class="radioname" required
autocomplete="off">Male</span>
                                        <input type="radio" class="radio2"
name="gender" value="Female"><span
                                            class="radioname" required
autocomplete="off">Female</span>
                                    </div>
                                    <div class="currency">
                                        <h3>Currency</h3>
                                        <table class="fm1">
                                            <tr>
                                                <td>
```

```
<label>Currency</label>
                                                    <input type="currency"
name="currency" required autocomplete="off">
                                                </td>
                                            </tr>
                                                    </div>
                                </td>
                            </tr>
                        </table>
                    </div>


                    <p class="lb2"><input type="checkbox" name="terms"
id="checkbox" required autocomplete="off">
                        I agree that the above details are true </p>

                    <input type="reset" class="lb2 k" name="submit"
value="Reset">
                    <a href="intro_page.html">
                        <input type="button" class="lb2 k"
onclick="href='intro_page';" value="Submit"></a>
            </div>
            </form>
        </div>

    </div>
    </div>


    <div class="rregisterdonor">
        <form action="process.php" method="POST" id="myform">


</html>
```

Database Scheme:

Source code:

```
<!DOCTYPE html>
<html>
<head>
    <title>INVENTORY MANAGEMENT SYSTEM</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Trirong">

     <style>
        body{
            background: linear-gradient(rgb(24, 136, 188),white,rgb(31,
89, 214));
            background-repeat: no-repeat;
             width: 100%;
             height: 100%;
               }
        .txt{
            text-align: center;
```

```
            margin-top: 245px;
            margin-left: 380px;
            margin-right: 250px;
            margin-bottom: 4px;
            height: 100px;
            width: 600px;
            border-color: black;
        }
        .txt h1{
            color: rgba(245, 6, 6, 0.734);
            text-align: center;
            font-family: "Trirong", serif;
            border-color:black;
            font-size: 2.5pc;

        }
        .dot{
            height: 200px;
            width: 200px;
           background-color: #bbb;
           border-radius: 50%;
           display: inline-block;
        }
        h2{
            color: rgb(10, 3, 15);
            font-size: 2pc;
        }
        a {
        text-decoration: none;
        display: inline-block;
        padding: 8px 16px;
        }
        .next {
         background-color: #04AA6D;
         color: white;
        }
        a:hover {
        background-color: #ddd;
        color: black;
       }


    </style>
</head>


<body>

   <div class="container ">
    <div class="txt">
        <h1>
            <span class="dot"><img src="https://na3.s3.jp-tok.cloud-
object-storage.appdomain.cloud/warehouse-management-software.png"
width="205px" height="200px"></span><br>

             Welcome..! START MARKETING..  <br>
             <h2>Join with us</h2>
        </h1>
        <a href="home.html" class="next">Next &raquo;</a>
```

```
    </div>
    <!--some space purpose-->
    <div class="txt">

    </div>
 </div>

</body>
</html>
```

Dashboard:

```
@import url('https://fonts.googleapis.com/css?family=Montserrat:400,800');

* {
      box-sizing: border-box;
}

body {
      background: #f6f5f7;
      display: flex;
      justify-content: center;
      align-items: center;
      flex-direction: column;
      font-family: 'Montserrat', sans-serif;
      height: 100vh;
      margin: -20px 0 50px;
}

h1 {
      font-weight: bold;
      margin: 0;
}

h2 {
      text-align: center;
}

p {
      font-size: 14px;
      font-weight: 100;
      line-height: 20px;
      letter-spacing: 0.5px;
      margin: 20px 0 30px;
}

span {
      font-size: 12px;
}

a {
      color: #333;
      font-size: 14px;
      text-decoration: none;
      margin: 15px 0;
}
```

```
button {
      border-radius: 20px;
      border: 1px solid #FF4B2B;
      background-color: #FF4B2B;
      color: #FFFFFF;
      font-size: 12px;
      font-weight: bold;
      padding: 12px 45px;
      letter-spacing: 1px;
      text-transform: uppercase;
      transition: transform 80ms ease-in;
}

button:active {
      transform: scale(0.95);
}

button:focus {
      outline: none;
}

button.ghost {
      background-color: transparent;
      border-color: #FFFFFF;
}

form {
      background-color: #FFFFFF;
      display: flex;
      align-items: center;
      justify-content: center;
      flex-direction: column;
      padding: 0 50px;
      height: 100%;
      text-align: center;
}

input {
      background-color: #eee;
      border: none;
      padding: 12px 15px;
      margin: 8px 0;
      width: 100%;
}

.container {
      background-color: #fff;
      border-radius: 10px;
      box-shadow: 0 14px 28px rgba(0,0,0,0.25),
                  0 10px 10px rgba(0,0,0,0.22);
      position: relative;
      overflow: hidden;
      width: 768px;
      max-width: 100%;
      min-height: 480px;
}

.form-container {
      position: absolute;
      top: 0;
```

```
      height: 100%;
      transition: all 0.6s ease-in-out;
}

.sign-in-container {
      left: 0;
      width: 50%;
      z-index: 2;
}

.container.right-panel-active .sign-in-container {
      transform: translateX(100%);
}

.sign-up-container {
      left: 0;
      width: 50%;
      opacity: 0;
      z-index: 1;
}

.container.right-panel-active .sign-up-container {
      transform: translateX(100%);
      opacity: 1;
      z-index: 5;
      animation: show 0.6s;
}

@keyframes show {
      0%, 49.99% {
            opacity: 0;
            z-index: 1;
      }

      50%, 100% {
            opacity: 1;
            z-index: 5;
      }
}

.overlay-container {
      position: absolute;
      top: 0;
      left: 50%;
      width: 50%;
      height: 100%;
      overflow: hidden;
      transition: transform 0.6s ease-in-out;
      z-index: 100;
}

.container.right-panel-active .overlay-container{
      transform: translateX(-100%);
}

.overlay {
      background: #0f7dd1;
      background: -webkit-linear-gradient(to right, #FF4B2B, #1a70cd);
      background: linear-gradient(to right, #FF4B2B, #28a3cc);
      background-repeat: no-repeat;
```

```
      background-size: cover;
      background-position: 0 0;
      color: #f47506f0;
      position: relative;
      left: -100%;
      height: 100%;
      width: 200%;
      transform: translateX(0);
      transition: transform 0.6s ease-in-out;
}

.container.right-panel-active .overlay {
      transform: translateX(50%);
}

.overlay-panel {
      position: absolute;
      display: flex;
      align-items: center;
      justify-content: center;
      flex-direction: column;
      padding: 0 40px;
      text-align: center;
      top: 0;
      height: 100%;
      width: 50%;
      transform: translateX(0);
      transition: transform 0.6s ease-in-out;
}









.overlay-left {
      transform: translateX(-20%);
}

.container.right-panel-active .overlay-left {
      transform: translateX(0);
}

.overlay-right {
      right: 0;
      transform: translateX(0);
}

.container.right-panel-active .overlay-right {
      transform: translateX(20%);
}

.social-container {
      margin: 20px 0;
```

```
}

.social-container a {
      border: 1px solid #DDDDDD;
      border-radius: 50%;
      display: inline-flex;
      justify-content: center;
      align-items: center;
      margin: 0 5px;
      height: 40px;
      width: 40px;
}

footer {
    background-color: #222;
    color: #fff;
    font-size: 14px;
    bottom: 0;
    position: fixed;
    left: 0;
    right: 0;
    text-align: center;
    z-index: 999;
}

/*footer p {
    margin: 10px 0;
}

footer i {
    color: red;
}

footer a {
    color: #3c97bf;
    text-decoration: none;
}
```

Home page source code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <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.cs
s">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></s
cript>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>
  <style>
    .row.content {height: 550px}
    .sidenav {
      background-color: #f1f1f1;
      height: 100%;
```

```
    }
    @media screen and (max-width: 767px) {
      .row.content {height: auto;}
    }
    .inputform {
      margin-bottom: 5px;
    }
  </style>
</head>
<body>

<nav class="navbar navbar-inverse visible-xs">
  <div class="container-fluid">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">INVENTORY</a>
    </div>
    <div class="collapse navbar-collapse" id="myNavbar">
      <ul class="nav navbar-nav">
        <li class="active"><a href="#">Dashboard</a></li>
        <li><a href="#">products</a></li>
        <li><a href="#">low stocks</a></li>
        <li><a href="#">All transcations</a></li>
      </ul>
    </div>
  </div>
</nav>

<div class="container-fluid">
  <div class="row content">
    <div class="col-sm-3 sidenav hidden-xs">
      <h2>INVENTORY</h2>
      <ul class="nav nav-pills nav-stacked">
        <li class="active"><a href="#section1">Dashboard</a></li>
        <li><a href="products.html">products</a></li>
        <li><a href="about.html">about</a></li>
        <li><a href="#section3">All transcations</a></li>
      </ul><br>
    </div>
    <br>

    <div class="col-sm-9">
      <div class="well">
        <h4>product</h4>
        <p>currency</p>
      </div>
      <div class="row">
        <div class="col-sm-3">
          <div class="well">
            <h4>oil</h4>
            <p>litre</p>
          </div>
        </div>
        <div class="col-sm-3">
          <div class="well">
```

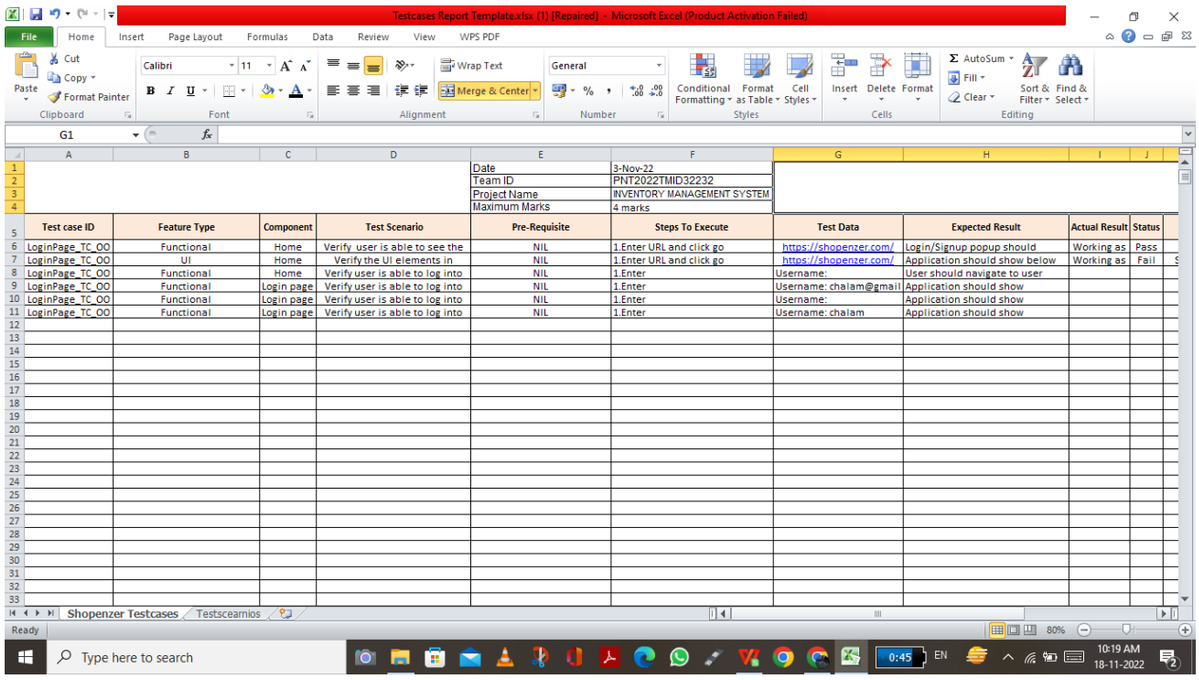
```
            <h4>rice</h4>
            <p>kg</p>
          </div>
        </div>
        <div class="col-sm-3">
          <div class="well">
            <h4>fruits and vegetables</h4>
            <p>kg</p>
          </div>
        </div>
        <div class="col-sm-3">
          <div class="well">
            <h4>masala's</h4>
            <p>packet</p>
          </div>
        </div>
      </div>
      <div class="row">
        <div class="col-sm-4">
          <div class="well">
            <input type="text" class="inputform" placeholder="coconut
oil">
            <input type="text" class="inputform" placeholder="light olive
oil">
            <input type="text" class="inputform" placeholder="sesame oil">
          </div>
        </div>
        <div class="col-sm-4">
          <div class="well">
            <input type="text" class="inputform" placeholder="ponni">
            <input type="text" class="inputform" placeholder="basmathi">
            <input type="text" class="inputform" placeholder="samba">
          </div>
        </div>
        <div class="col-sm-4">
          <div class="well">
            <input type="text" class="inputform" placeholder="turmeric
powder">
            <input type="text" class="inputform" placeholder="cinnamon">
            <input type="text" class="inputform" placeholder="chilli
powder">
          </div>
        </div>
      </div>
      <div class="row">
        <div class="col-sm-8">
          <div class="well">
            <input type="text" class="inputform" placeholder="extra
items">
          </div>
        </div>
        <div class="col-sm-4">
          <div class="well">
            <input type="text" class="inputform" placeholder="extra
items">
          </div>
        </div>
      </div>
    </div>
  </div>
```

```
</div>

</body>
</html>
```

8.TESTING

8.1 USER TESTCASE



Testcases Report Template.xlsx (1) [Repaired] - Microsoft Excel (Product Activation Failed)

Date	3-Nov-22	
Team ID	PNT2022TMID32232	
Project Name	INVENTORY MANAGEMENT SYSTEM	
Maximum Marks	4 marks	

Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status
LoginPage_TC_OO	Functional	Home	Verify user is able to see the	NIL	1.Enter URL and click go	https://shopenzer.com/	Login/Signup popup should	Working as	Pass
LoginPage_TC_OO	UI	Home	Verify the UI elements in	NIL	1.Enter URL and click go	https://shopenzer.com/	Application should show below	Working as	Fail
LoginPage_TC_OO	Functional	Home	Verify user is able to log into	NIL	1.Enter	Username:	User should navigate to user		
LoginPage_TC_OO	Functional	Login page	Verify user is able to log into	NIL	1.Enter	Username: chalam@gmail	Application should show		
LoginPage_TC_OO	Functional	Login page	Verify user is able to log into	NIL	1.Enter	Username:	Application should show		
LoginPage_TC_OO	Functional	Login page	Verify user is able to log into	NIL	1.Enter	Username: chalam	Application should show		

Shopenzer Testcases | Testscearnios

Ready

Type here to search

0:45 EN 10:19 AM 18-11-2022

8.2 user acceptance

Acceptance Testing
UAT Execution & Report Submission

Team ID	PNT2022TMID32232
Project Name	INVENTORY MANAGEMENT SYSTEM FOR RETAILERS
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the inventory management system for retailers project at the time of the release to User Acceptance Testing (UAT).

2. Defect Analysis

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

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	9	4	2	3	18
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	9	2	5	17	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	1	4	2	1	8
Totals	22	14	13	24	73

3. Test Case Analysis

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

Section	Total Cases	Not Tested	Fail	Pass
Print Engine	8	1	0	7
Client Application	45	0	3	42
Security	2	0	0	2
Outsource Shipping	4	1	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	1	3
Version Control	4	0	0	4

9. RESULTS

9.1 Performance Metrics

Software quality is a measurement of something intangible, “how good” a software product really is. Some of the aspects of software quality taken are

a. Scalability
b. Speed
c. Stability
d. Reliability
e. Security
f. Maintainability and code quality

Design test cases for Inventory Management based on system specification

Test Case ID	Action	Steps	Input Data	Expected Results	Actual Results	Status
TC-1	Invoice No.	Enter Invoice No.	Input "10121"	It should accepted Invoice no.	Invoice no. is accepting	Pass
TC-2	Bill Date	Enter Bill date	Input "17/10/2021"	It should accepted Bill date	Bill date is accepting	Pass
TC-3	Supplier	Select Supplier		Supplier name	Supplier name is	Pass
TC-4	item name(options)	Select item name		Item name should be automatically reflected	Item name is reflecting automatically	Pass
TC-5	Available item stock	Click on Textbox	-	It should reflect automatically item stock.	item stock is reflecting automatically	Pass

TC-6	Quantity	Enter item quantity	Input "5"	item quantity should be accepted	item quantity is accepting	Pass
TC-7	Price(unit)	Click on Textbox	-	Price should be reflected automatically	Price is reflecting automatically	Pass
TC-8	Total(unit)	Click on Textbox	-	Total should be reflected automatically	Total is reflecting automatically	Pass
TC-9	Receive Bill date	Enter Receive Bill date	Input "17/10/2021"	Receive Bill date should be accepted	Receive Bill date is accepting	Pass
TC-10	Add item	Click on add item	-	It should be add item reflected in database	Add item is reflecting in database	Pass

10.Advantages

☀.Improves Accuracy. Real-time inventory tracking helps you improve inventory management and ensures that you have optimal stock available to fulfill orders.

☀ Reduces costs.

☀Saves Time.

☀ Improves Business Planning.

☀ Improves Customer Service.

DISADVANTAGE

☀the vulnerability to loss of items.

☀Scanning errors.

☀Improper inventory tracking.

☀Hacking.

☀You could lose your entire investment.

If a company does poorly, investors will sell, sending the stock price plummeting. When you sell, you will lose your initial investment.

11.Conclusion

Inventory management is a very complex but essential part of the supply chain. An effective inventory management system helps to reduce stock-related costs such as warehousing, carrying, and ordering costs.

Management is creative problem solving. This creative problem solving is accomplished through four functions of management: planning,

organising, leading and controlling. The intended result is the use of an organisation's resources in a way that accomplishes its mission and objectives
Management is creative problem solving. This creative problem solving is accomplished through four functions of management: planning, organising, leading and controlling. The intended result is the use of an organisation's resources in a way that accomplishes its mission and objectives

12.Future scope

Manage Inventory: Inventory management helps to manage the stock of the company. it provides proper details of the products what kind of raw material, what are the sizes we require and etc. to the purchasing department.

Less Storage: When the inventory management provides proper information to management, they buy according to them which helps the company to store fewer products.

Improve Productivity: Inventory management helps to improve the productivity of the machines and manpower. Employees are aware of stocks and the quantity that require to produce.

Increase Profits: Inventory management helps to improve the profits of the company. it helps to provide proper information about stocks, that saves the unnecessary expenses on stocks.

13.Appendix

Source Code

Python code :Refer section 7-Coding and Solutioning

Node-Red Flow:

```
<html>
<head
<title>INVENTORY MANAGEMENT SYSYTEM FOR RETAILERS
</titl <link href="https://na3.s3.jp-tok.cloud-object
storage.appdomain.cloud/login.css"rel="stylesheet"/></head>
<body>
<h2>

INVENTORY MANAGEMENT SYSTEM FOR RETAILERS
```

```
<imgsrc="https://na3.s3.jp-tok.cloud-
objectstorage.appdomain.cloud/cf6641.webp" width="50" height="60">
</h <div class="container" id="contain
<div class="form-container sign-up-container">
<form action="#">
            <h1>Create Account</h1>
            <div class="social-container">
                        <a href="#" class="social"><i class="fab fa-
google-plus-g">
<img src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/WhatsApp%20Image.jpeg">
</i>
</a>
                    </div>
            <span>or use your email for registration</span>
                        <input type="text" placeholder="Name" />
                        <input type="email" placeholder="Email" />
                        <input type="password" placeholder="Password" />
                        <button><a href="registration.html">Sign
up</a></button>
          </form>
        </div>
        <div class="form-container sign-in-container">
          <form action="#">
            <link rel="stylesheet" href="F:\ibm\sprint\sprint 1
duplicate\login\css\login3.css">
            <h1><a href="registration.html">sign in</a> </h1>
            <div class="social-container">
                        <a href="#" class="social"><i class="fab fa-
google-plus-g"><img src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/WhatsApp%20Image.jpeg"></i></a>
            </div>
            <span>or use your account</span>
                        <input type="email" placeholder="Email" />
                        <input type="password" placeholder="Password" />
                        <a href="#">Forgot your password?</a>
                        <button>Sign In</button>
          </form>
        </div>
        <div class="overlay-container">
          <div class="overlay">
            <div class="overlay-panel overlay-left">
              <h1>Welcome Back!</h1>
              <p>To keep connected with us please login with your personal
```

```
info</p>
                                    <button class="ghost" id="signIn">Sign
In</button>
                </div>
                <div class="overlay-panel overlay-right">
                    <h1>Hello, Friend!</h1>
                                    <p>Enter your personal details and start
marketing..!</p>
                    <button class="ghost" id="signUp"><a
href="registration.html">Sign Up</a></button>
                </div>
            </div>
        </div>
    </div>
    <script src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/login3.js"></script>
  </body>
</html>
@import
url('https://fonts.googleapis.com/css?family=Montserrat:400,800');

* {
        box-sizing: border-box;
}

body {
        background: #f6f5f7;
        display: flex;
        justify-content: center;
        align-items: center;
        flex-direction: column;
        font-family: 'Montserrat', sans-serif;
        height: 100vh;
        margin: -20px 0 50px;
}

h1 {
        font-weight: bold;
        margin: 0;
}

h2 {
        text-align: center;
}
```

```
p {
	font-size: 14px;
	font-weight: 100;
	line-height: 20px;
	letter-spacing: 0.5px;
	margin: 20px 0 30px;
}

span {
	font-size: 12px;
}

a {
	color: #333;
	font-size: 14px;
	text-decoration: none;
	margin: 15px 0;
}

button {
	border-radius: 20px;
	border: 1px solid #FF4B2B;
	background-color: #FF4B2B;
	color: #FFFFFF;
	font-size: 12px;
	font-weight: bold;
	padding: 12px 45px;
	letter-spacing: 1px;
	text-transform: uppercase;
	transition: transform 80ms ease-in;
}

button:active {
	transform: scale(0.95);
}

button:focus {
	outline: none;
}

button.ghost {
	background-color: transparent;
	border-color: #FFFFFF;
```

```
}

form {
	background-color: #FFFFFF;
	display: flex;
	align-items: center;
	justify-content: center;
	flex-direction: column;
	padding: 0 50px;
	height: 100%;
	text-align: center;
}

input {
	background-color: #eee;
	border: none;
	padding: 12px 15px;
	margin: 8px 0;
	width: 100%;
}

.container {
	background-color: #fff;
	border-radius: 10px;
	box-shadow: 0 14px 28px rgba(0,0,0,0.25),
			0 10px 10px rgba(0,0,0,0.22);
	position: relative;
	overflow: hidden;
	width: 768px;
	max-width: 100%;
	min-height: 480px;
}

.form-container {
	position: absolute;
	top: 0;
	height: 100%;
	transition: all 0.6s ease-in-out;
}

.sign-in-container {
	left: 0;
	width: 50%;
	z-index: 2;
```

```
}

.container.right-panel-active .sign-in-container {
	transform: translateX(100%);
}

.sign-up-container {
	left: 0;
	width: 50%;
	opacity: 0;
	z-index: 1;
}

.container.right-panel-active .sign-up-container {
	transform: translateX(100%);
	opacity: 1;
	z-index: 5;
	animation: show 0.6s;
}

@keyframes show {
	0%, 49.99% {
		opacity: 0;
		z-index: 1;
	}

	50%, 100% {
		opacity: 1;
		z-index: 5;
	}
}

.overlay-container {
	position: absolute;
	top: 0;
	left: 50%;
	width: 50%;
	height: 100%;
	overflow: hidden;
	transition: transform 0.6s ease-in-out;
	z-index: 100;
}

.container.right-panel-active .overlay-container{
```

```
        transform: translateX(-100%);
}

.overlay {
        background: #0f7dd1;
        background: -webkit-linear-gradient(to right, #FF4B2B, #1a70cd);
        background: linear-gradient(to right, #FF4B2B, #28a3cc);
        background-repeat: no-repeat;
        background-size: cover;
        background-position: 0 0;
        color: #f47506f0;
        position: relative;
        left: -100%;
        height: 100%;
        width: 200%;
        transform: translateX(0);
        transition: transform 0.6s ease-in-out;
}

.container.right-panel-active .overlay {
        transform: translateX(50%);
}

.overlay-panel {
        position: absolute;
        display: flex;
        align-items: center;
        justify-content: center;
        flex-direction: column;
        padding: 0 40px;
        text-align: center;
        top: 0;
        height: 100%;
        width: 50%;
        transform: translateX(0);
        transition: transform 0.6s ease-in-out;
}

.overlay-left {
        transform: translateX(-20%);
}

.container.right-panel-active .overlay-left {
        transform: translateX(0);
```

```
}

.overlay-right {
	right: 0;
	transform: translateX(0);
}

.container.right-panel-active .overlay-right {
	transform: translateX(20%);
}

.social-container {
	margin: 20px 0;
}

.social-container a {
	border: 1px solid #DDDDDD;
	border-radius: 50%;
	display: inline-flex;
	justify-content: center;
	align-items: center;
	margin: 0 5px;
	height: 40px;
	width: 40px;
}

footer {
    background-color: #222;
    color: #fff;
    font-size: 14px;
    bottom: 0;
    position: fixed;
    left: 0;
    right: 0;
    text-align: center;
    z-index: 999;
}

/*footer p {
    margin: 10px 0;
}

footer i {
    color: red;
```

```
}

footer a {
    color: #3c97bf;
    text-decoration: none;
}
const signUpButton = document.getElementById('signUp');
const signInButton = document.getElementById('signIn');
const container = document.getElementById('container');

signUpButton.addEventListener('click', () => {
        container.classList.add("right-panel-active");
});

signInButton.addEventListener('click', () => {
        container.classList.remove("right-panel-active");
});
<!DOCTYPE html>
<html>
<head>
    <title>INVENTORY MANAGEMENT SYSTEM</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Trirong">

     <style>
        body{
            background: linear-gradient(rgb(24, 136, 188),white,rgb(31, 89, 214));
            background-repeat: no-repeat;
             width: 100%;
             height: 100%;
              }
        .txt{
            text-align: center;
            margin-top: 245px;
            margin-left: 380px;
            margin-right: 250px;
            margin-bottom: 4px;
            height: 100px;
            width: 600px;
            border-color: black;
        }
        .txt h1{
            color: rgba(245, 6, 6, 0.734);
```

```
            text-align: center;
            font-family: "Trirong", serif;
            border-color:black;
            font-size: 2.5pc;

        }
        .dot{
            height: 200px;
            width: 200px;
           background-color: #bbb;
           border-radius: 50%;
           display: inline-block;
        }
        h2{
            color: rgb(10, 3, 15);
            font-size: 2pc;
        }
        a {
        text-decoration: none;
        display: inline-block;
        padding: 8px 16px;
        }
        .next {
         background-color: #04AA6D;
         color: white;
        }
        a:hover {
        background-color: #ddd;
        color: black;
       }


    </style>
</head>


<body>

   <div class="container ">
    <div class="txt">
        <h1>
            <span class="dot"><img src="https://na3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/warehouse-management-software.png"
width="205px" height="200px"></span><br>
```

```
            Welcome..! START MARKETING..  <br>
            <h2>Join with us</h2>
        </h1>
        <a href="home.html" class="next">Next &raquo;</a>


    </div>
    <!--some space purpose-->
    <div class="txt">

    </div>
  </div>

</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <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.mi
n.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></s
cript>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.j
s"></script>
  <style>
    .row.content {height: 550px}
    .sidenav {
      background-color: #f1f1f1;
      height: 100%;
    }
    @media screen and (max-width: 767px) {
      .row.content {height: auto;}
    }
    .inputform {
      margin-bottom: 5px;
    }
  </style>
```

```
</head>
<body>

<nav class="navbar navbar-inverse visible-xs">
  <div class="container-fluid">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">INVENTORY</a>
    </div>
    <div class="collapse navbar-collapse" id="myNavbar">
      <ul class="nav navbar-nav">
        <li class="active"><a href="#">Dashboard</a></li>
        <li><a href="#">products</a></li>
        <li><a href="#">low stocks</a></li>
        <li><a href="#">All transcations</a></li>
      </ul>
    </div>
  </div>
</nav>

<div class="container-fluid">
  <div class="row content">
    <div class="col-sm-3 sidenav hidden-xs">
      <h2>INVENTORY</h2>
      <ul class="nav nav-pills nav-stacked">
        <li class="active"><a href="#section1">Dashboard</a></li>
        <li><a href="products.html">products</a></li>
        <li><a href="about.html">about</a></li>
        <li><a href="#section3">All transcations</a></li>
      </ul><br>
    </div>
    <br>

    <div class="col-sm-9">
      <div class="well">
        <h4>product</h4>
        <p>currency</p>
      </div>
      <div class="row">
```

```
  <div class="col-sm-3">
    <div class="well">
      <h4>oil</h4>
      <p>litre</p>
    </div>
  </div>
  <div class="col-sm-3">
    <div class="well">
      <h4>rice</h4>
      <p>kg</p>
    </div>
  </div>
  <div class="col-sm-3">
    <div class="well">
      <h4>fruits and vegetables</h4>
      <p>kg</p>
    </div>
  </div>
  <div class="col-sm-3">
    <div class="well">
      <h4>masala's</h4>
      <p>packet</p>
    </div>
  </div>
</div>
<div class="row">
  <div class="col-sm-4">
    <div class="well">
      <input type="text" class="inputform" placeholder="coconut oil">
      <input type="text" class="inputform" placeholder="light olive oil">
      <input type="text" class="inputform" placeholder="sesame oil">
    </div>
  </div>
  <div class="col-sm-4">
    <div class="well">
      <input type="text" class="inputform" placeholder="ponni">
      <input type="text" class="inputform" placeholder="basmathi">
      <input type="text" class="inputform" placeholder="samba">
    </div>
  </div>
  <div class="col-sm-4">
    <div class="well">
      <input type="text" class="inputform" placeholder="turmeric powder">
      <input type="text" class="inputform" placeholder="cinnamon">
```

```
          <input type="text" class="inputform" placeholder="chilli powder">
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-sm-8">
        <div class="well">
          <input type="text" class="inputform" placeholder="extra items">
        </div>
      </div>
      <div class="col-sm-4">
        <div class="well">
          <input type="text" class="inputform" placeholder="extra items">
        </div>
      </div>
    </div>
  </div>
 </div>
</div>

</body>
</html>
<!DOCTYPE html>
<head>
<title>Home         Page</title>
<style>
 *{
   margin: 0;
   box-sizing: border-box;
 }
body {
  font-family: Arial, Helvetica, sans-serif;
  margin: 0;
  background: #8e9eab;  /* fallback for old browsers */
background: -webkit-linear-gradient(to right, #eef2f3, #8e9eab);
background: linear-gradient(to right, #eef2f3, #8e9eab);

}

#header {

  text-align: center;

}
```

```
.header h1 {
  font-size: 50px;
}

#box{
  padding: 80px 100px;
  border: none;
  outline: none;
  width: 100%;
  background-color: #10a9cf;
  box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;

}
#btn{
  padding: 10px 30px;
  border: 10px solid rgba(223, 216, 12, 0.985);
  font-size: 20px;
  border-radius: 05px;
  margin-left: 50px;
}
a{
  margin: 20px;
}
</style>
</head>
<body>
  <nav class="navbar navbar-expand-md bg-dark navbar-dark " >
    <a class="navbar-brand" href="#">INVENTORY</a>

<div class="container-fluid" id="header">

    <div class="container-fluid" id="box">
      <h1><a href="Dashboard.html">Dashboard</a></h1>
    </div>
</style>
</head>
<body>
<div class="container-fluid" id="header">

    <div class="container-fluid" id="box">
      <h1><a href="products.html">Products</a></h1>
    </div>
  </style>
</head>
```

```
<body>
<div class="container-fluid" id="header">

   <div class="container-fluid" id="box">
     <h1><a href="about.html">About Us</a> </h1>
   </div>
  </style>
</head>
<body>
<div class="container-fluid" id="header">

   <div class="container-fluid" id="box">
     <h1>All Transactions</h1>
   </div>
</body>
</html>
<!DOCTYPE html>
<html>

<head>
   <title></title>
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet" type="text/css"
href="{{url_for('static',filename='style.css')}}">
   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css')}}">
   <style type="text/css">
      body{
         margin: 10px 10px 10px 100px;
         background-color: aliceblue;

      }

      .error {
         color: red;
      }

      .fm1 {
         text-align: center;
      }

      .lb1 {
         text-align: center;
         padding: 25px;
```

```
        }

        .lb2 {
            margin-left: 20px;
        }

        .lb3 {
            margin-right: 35px;
        }

        .container {
            display: block;
        }
        .k{
            border-radius: 15px;
        }
    </style>
</head>

<body>

    <?php
include 'header.php';
?>

    <div class="heading fix">
        <label class="lb1">REGISTRATION</label>
    </div>
    <div class="outerbox">
        <div class="fixedbox">
            <span class="content">
                <h4>Start Business</h4>
                <p>Enter your personal details and start business with us</p>
            </span>
        </div>
        <div class="scrollbox">
            <div class="registerdonor">
                <form action="process.php" method="POST" id="myform">
                    <div class="login">
                        <h3>Login Details</h3>
                        <table class="fm1">
                            <tr>
                                <td colspan="2">
                                    <label class="lb1" class="username">User Name:-
```

```
</label>
                        <input type="text" name="user_name" required
pattern="^[A-Za-z0-9._%+-@]{5,10}$"
                            title="Enter a username between 5 to 10 letter"
autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <label class="lb1">Full Name:-</label>
                        <input type="text" name="user_full_name" required
pattern="[A-z ]+$"
                            title="Use only character & whitespace"
autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <label class="lb1">Email Id:-</label>
                        <input type="email" name="user_email" required
                            pattern="[A-Za-z0-9._%+-]+@[A-z0-9.-]+\.[a-z]{2,}$"
                            title="Email id is not Valid" autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <label class="lb1">Password:-</label>
                        <input type="password" name="password" required
                            pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}"
                            title="Must contain at least one number and one
uppercase and lowercase letter, and at least 6 or more characters"
                            id="password" autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <label>Confirm Password:-</label>
                        <input type="text" name="confirm_password" required
                            pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}"
                            title="Must contain at least one number and one
uppercase and lowercase letter, and at least 6 or more characters"
                            id="confirm_password" autocomplete="off">
                    </td>
                </tr>
```

```
            </table>
        </div>
        <div class="container">
            <h3>Contact Details</h3>
            <table class="fm1">
                <tr>
                    <td>
                        <label>Mobile Number:-</label>
                        <input type="text" name="user_number" required
pattern="^[1-9]{1}[0-9]{9}$"
                            title="Number is not valid" autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <label class="lb1">Pincode</label>
                        <input type="text" name="pincode" required
pattern="^[0-9]{6}$"
                            title="Pincode is not valid" autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td rowspan="1">
                        <label class="lb1">Address:-</label>
                        <textarea name="Address" placeholder="follow with
pincode" required></textarea>
                    </td>
                </tr>



                <tr>
                    <td>
                        <label class="lb1">State:-</label>
                        <input type="text" name="state">
                    </td>
                </tr>
            </table>
        </div>
        <div class="personal">
            <h3>Personal Details</h3>
            <table class="fm1">
                <tr>
                    <td>
                        <label>Date Of Birth:-</label>
```

```
                        <input type="date" name="date_of_birth" required
autocomplete="off">
                    </td>
                </tr>
                <tr>
                    <td>
                        <div class="radio">
                            <label class="lb3">Gender:-</label>
                            <input type="radio" name="gender" class="radio1"
value="Male"><span
                                class="radioname" required
autocomplete="off">Male</span>
                            <input type="radio" class="radio2" name="gender"
value="Female"><span
                                class="radioname" required
autocomplete="off">Female</span>
                        </div>
                        <div class="currency">
                            <h3>Currency</h3>
                            <table class="fm1">
                                <tr>
                                    <td>
                                        <label>Currency</label>
                                        <input type="currency" name="currency"
required autocomplete="off">
                                    </td>
                                </tr>
                                    </div>
                    </td>
                </tr>
            </table>
        </div>


        <p class="lb2"><input type="checkbox" name="terms"
id="checkbox" required autocomplete="off">
            I agree that the above details are true </p>

        <input type="reset" class="lb2 k" name="submit" value="Reset">
        <a href="intro_page.html">
            <input type="button" class="lb2 k" onclick="href='intro_page';"
value="Submit"></a>
    </div>
    </form>
```

```
      </div>

    </div>
    </div>


    <div class="rregisterdonor">
      <form action="process.php" method="POST" id="myform">


</html>
<!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">
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min
.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.js"></s
cript>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.j
s"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundl
e.min.js"></script>
  <title>About</title>
  <style>
    *{
      margin:0px;
      box-sizing: border-box;
    }
    body{
      font-family: Arial, Helvetica, sans-serif;
      margin: 0;
      background: #8e9eab;  /* fallback for old browsers */
      background: -webkit-linear-gradient(to right, #eef2f3, #8e9eab);  /*
Chrome 10-25, Safari 5.1-6 */
      background: linear-gradient(to right, #eef2f3, #8e9eab); /* W3C, IE 10+/
Edge, Firefox 16+, Chrome 26+, Opera 12+, Safari 7+ */
```

```
    }
    #about{
      margin-top: 50px;
    }
    h1{
      font-size: 60px;
    }
    p{
      font-size: 20px;
    }
    #cards{
      padding: 30px
    }
    .column{
      padding: 30px;
    }
    .card{
      border: none;
      box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
    }
    button{
      margin-left: 100px;
      margin-top: 50px;
    }
    #home-btn{
      margin-top: 50px;
      margin-left: 100px;
      padding:10px 30px;
      font-size: 30px;
    }
  </style>
</head>
<body>


  <a href="home.html" class="btn btn-dark stretched-link" id="home-
btn">Home</a>
<div class="container-fluid" id="about">
    <h1>ABOUT US </h1>
    <p>Who are we and what we do.</p>
    <p>Resize the browser window to see that this page is responsive by the
way.</p>
  </div>
```

```
 <h2 style="text-align:center">Our Team</h2>
 <div class="container-fluid" id="cards">
 <div class="row">
  <div class="column">
   <div class="card" style="width:400px;">
    <img class="card-img-top" src="{{url_for('static',
filename='avatar2.jpg')}}"  alt="Card image" style="width:100%"/>

    <div class="card-body">
     <h4 class="card-title">Swathi P</h4>
     <h5 class="title">Team Leader</h5><br>
     <p class="card-text">ECE Engineer<br>Assigns tasks to members and
manages the server.<br></p><br>
     <p>swathipandiyan003@gmail.com</p><br>
     <a href="#" class="btn btn-primary stretched-link">See Profile</a>
    </div>
   </div>
  </div>
  <div class="column">
   <div class="card" style="width:400px">
    <img class="card-img-top" src="{{url_for('static',
filename='avatar2.jpg')}}" alt="Card image" style="width:100%"/>
    <div class="card-body">
     <h4 class="card-title">Shastha chandru S</h4>
     <h5 class="title">Team Member 1</h5><br>
     <p class="card-text">ECE Engineer<br>Does front end
tasks.<br></p><br>
     <p>chandrupriyan745@gmail.com</p><br>
     <a href="#" class="btn btn-primary stretched-link">See Profile</a>
    </div>
   </div>
  </div>



  <div class="column">
   <div class="card" style="width:400px">
    <img class="card-img-top" src="{{url_for('static',
filename='avatar2.jpg')}}" alt="Card image" style="width:100%">
    <div class="card-body">
     <h4 class="card-title">Dineshwaran S</h4>
     <h5 class="title">Team Member 2</h5><br>
     <p class="card-text">ECE Engineer.<br>Does back end
tasks.<br></p><br>
     <p>dineshwaran.s@nandhatech.org</p><br>
```

```
        <a href="#" class="btn btn-primary stretched-link">See Profile</a>
       </div>
      </div>
    </div>


  <div class="column">
    <div class="card" style="width:400px">
      <img class="card-img-top" src="{{url_for('static',
filename='avatar2.jpg')}}" alt="Card image" style="width:100%">
      <div class="card-body">
        <h4 class="card-title">Obulisaravanan D</h4>
        <h5 class="title">Team Member 3</h5><br>
        <p class="card-text">ECE Engineer.<br>Manages storage and
data.</p><br>
        <p>obulisaravanan.d@nandhatech.org</p><br>
        <a href="#" class="btn btn-primary stretched-link">See Profile</a>
      </div>
    </div>
</div>

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

Demo link:
https://drive.google.com/file/d/1DVGwtDG4vWIRRqMlGjgp5ucfkCSAfK-i/view?usp=share_link

Github link:
https://github.com/IBM-EPBL/IBM-Project-13719-1659527015/tree/main

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