

Abstract

Coffee is the most popular drink around the world, as such there are a lot of coffee shops around the world. Our goal here was to make a tool that would make the management of the coffee shop easier.

Coffee consumption statistics show that around 30-40% of the world's population consume coffee every day. There are around 15 million cafes, pubs and restaurants around the world, as such demand for a tool that makes the management easier is present.

We have aimed to make a simple and easy to use coffee shop management system, that is not very resource intensive and can be afforded by even the smaller cafes. Our target was the smaller coffee shops that do not have access to such systems. These places usually either maintain records on books or do not have proper records at all.

With our not only does it become easy for them to maintain a record, they can also manage their employees and gather data on their customers order behavior to improve their business. The tool also makes it easier for them to store the data better as large amounts of it can be stored on a pc disk or a pen drive.

Shops can now get an idea of how much ingredients they need per month and prepare in advance and avoid overbuying or underbuying both of which would cause loss to the shop.

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Introduction

This document fully and formally describes the requirements of the proposed said project system. It sets out the functional and non-functional requirements and includes a description of the user interface and documentation and training requirements.

Coffee Shop Management System is based on a concept to maintain orders and management of a particular coffee shop. There are multiple sections of the Admin panel in this project . By using this system, users can maintain ordering records for a day. By selecting Coffee Order the system displays a list of Available coffee drinks and the user has to place an order with item quantity. Almost 80% of the population are coffee lovers. Coffee Shop Management System consists of Administration module. This project is developed in VScode using PHP language and MySQL database is used. The role of the administrator is to maintain employee information including operations like modifying, deleting, updating the employee records and customer orders.

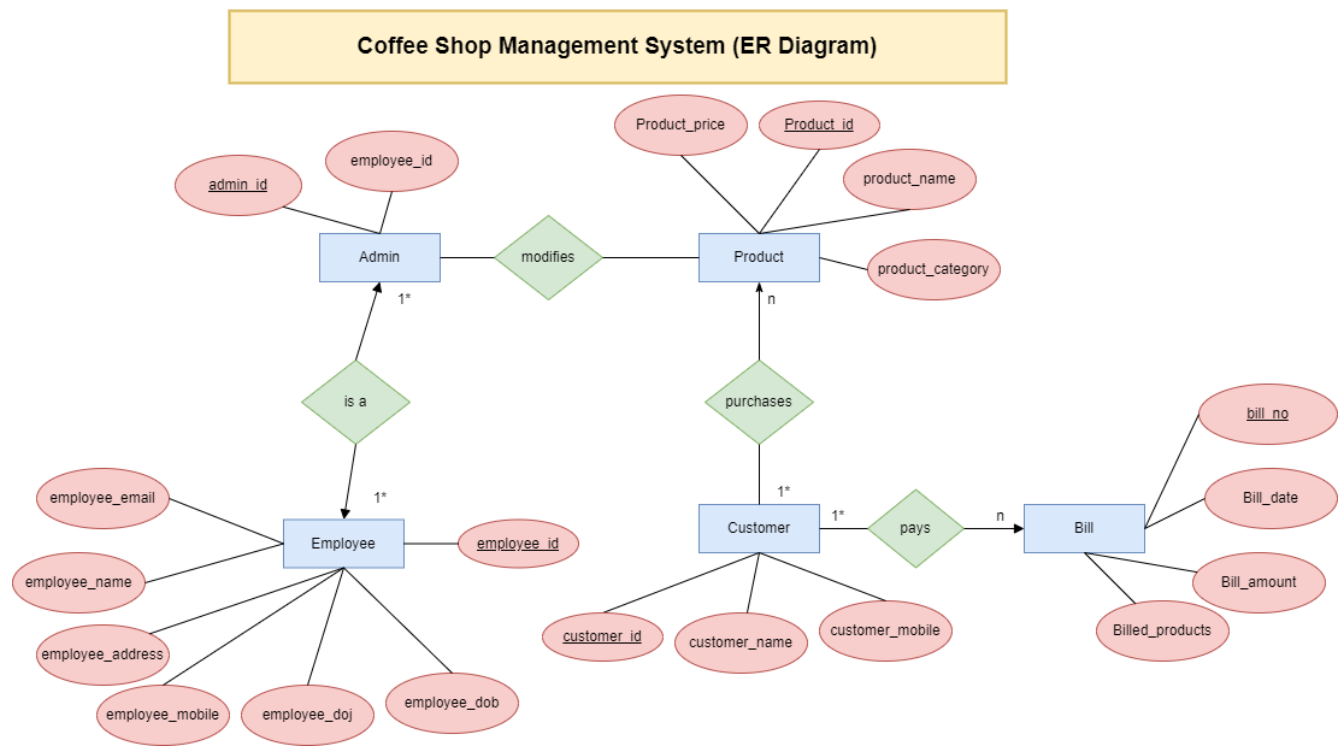
Coffee Shop Management System is developed using PHP for front-end design, and MySQL for back-end database. Now, talking about the Admin Panel, an admin has full control of the system. He/she can view Total orders of the day, add coffee items, delete items, etc. While adding coffee items, the user should fill up the Item's name and quantity. The system also displays employee and order details. All the coffee orders of a day can be viewed from the Admin Panel.

Problem Definition

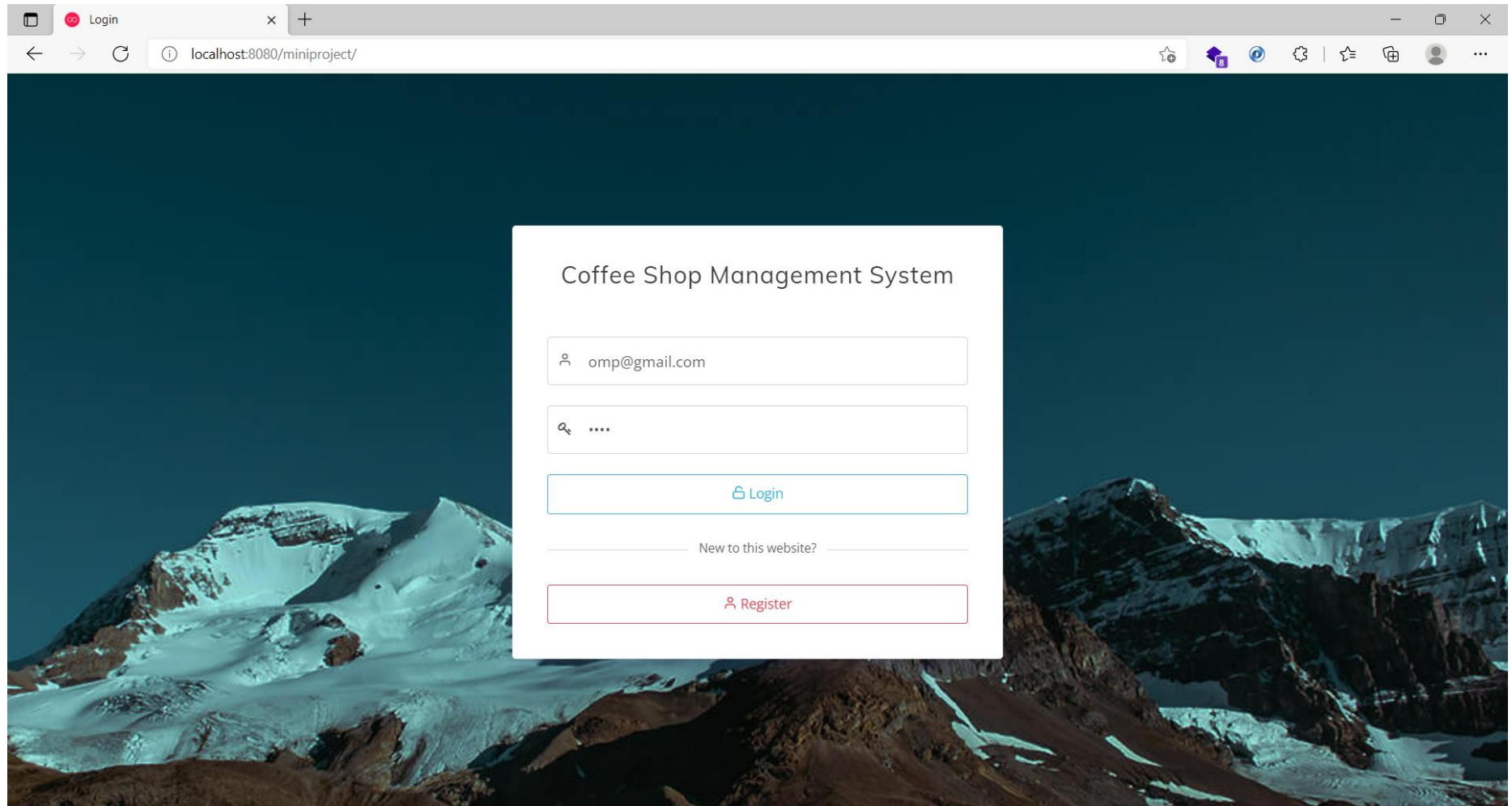
Around 80% of the world loves coffee, 30-40% of the world drinks it daily. There are thousands of coffee shops in India but most of them still use books for record or do not have a proper record.

We want to solve this issue by making a simple and easy to use management tool that can be afforded by these small coffee shops in order to make their records digital and hence easy to maintain, along with other benefits.

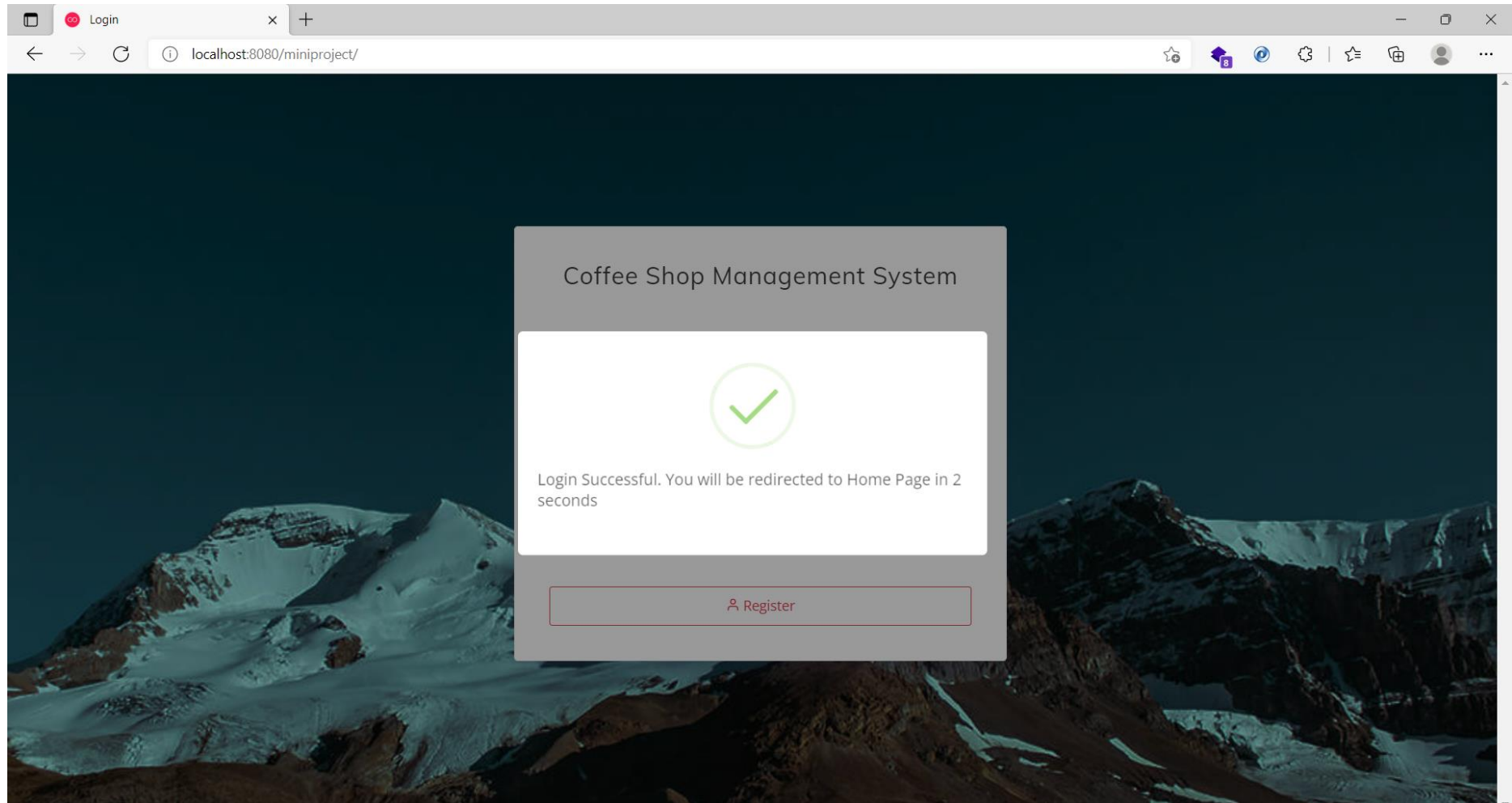
ER Diagram

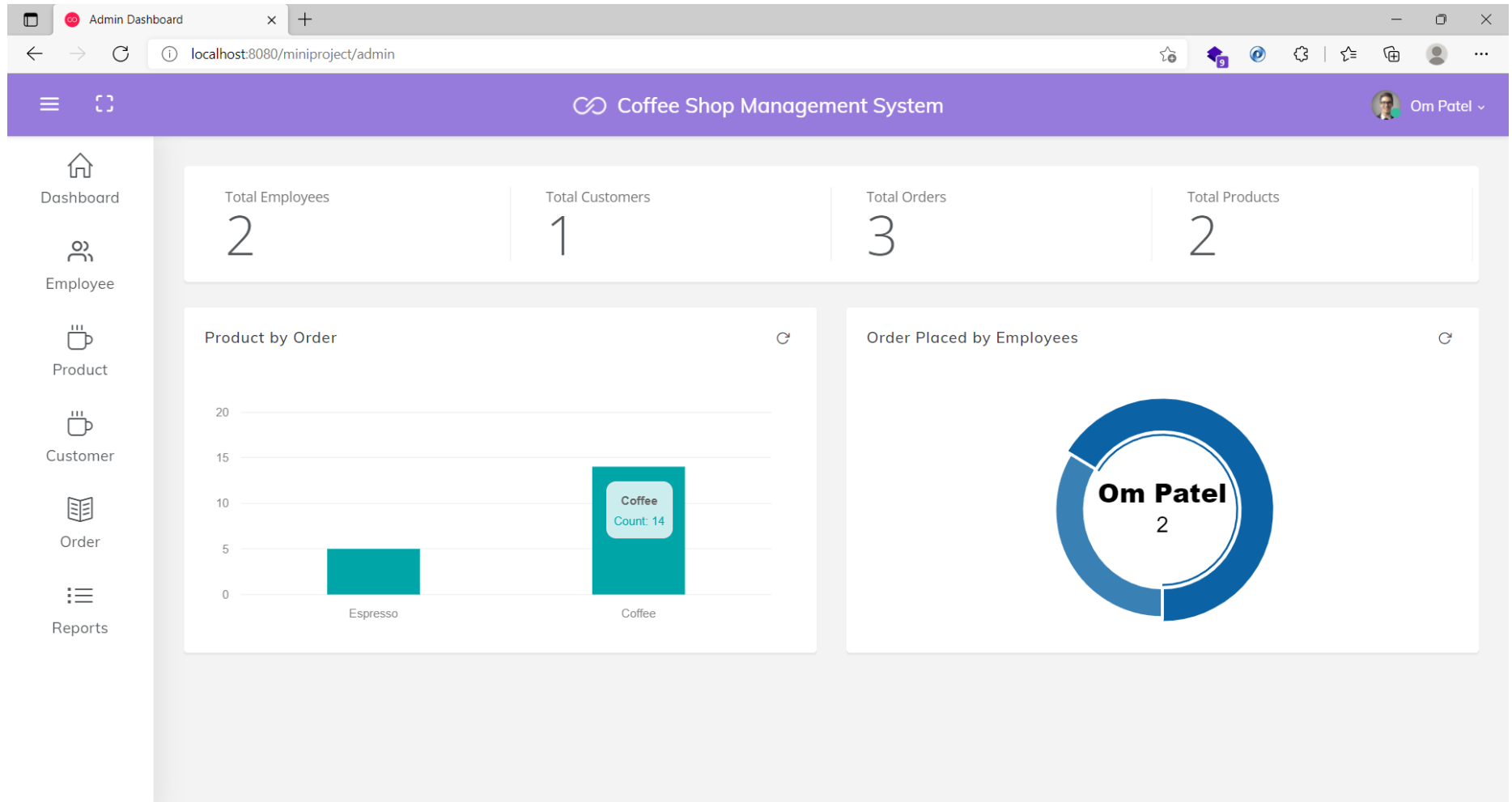


GUI with Client Side Validation



The screenshot displays a web browser window with the address bar showing `localhost:8080/miniproject/`. The browser tab is titled "Login". The main content area features a dark blue background with a high-resolution image of a snow-capped mountain range. Centered on this background is a white rectangular login form. The form is titled "Coffee Shop Management System" in a dark grey font. It contains two input fields: the first is for an email address, with the placeholder text "omp@gmail.com" visible; the second is for a password, indicated by four dots. Below these fields is a blue "Login" button with a white lock icon. Underneath the login button is a horizontal line with the text "New to this website?". Below this line is a red "Register" button with a white user icon.





Admin Dashboard | List Employee x +

localhost:8080/miniproject/admin/listemp

Coffee Shop Management System Om Patel v

Dashboard

Employee

Product

Customer

Order

Reports

Details of Employee

Employee

Id	Name	Email	Address	Mobile	Date of Join	Date of Birth	Action
2	Aniruddha Shende	ani68@gmail.com	Pune	9856321456	2000-11-23	2021-05-11	Delete

Admin Dashboard | Add Employee x



localhost:8080/miniproject/admin/addemp

Coffee Shop Management System Om Patel

Add Employee

Employee Details

Personal Info

First Name	<input type="text" value="First Name"/>
Last Name	<input type="text" value="Last Name"/>
E-mail	<input type="text" value="E-mail"/>
Contact Number	<input type="text" value="Phone"/>
Address	<input type="text" value="Address"/>
Date of Birth	<input type="text" value="dd/mm/yyyy"/> 
Date of Join	<input type="text" value="dd/mm/yyyy"/> 
The employee is Admin	<input type="checkbox"/>

Admin Dashboard | List Employee x +

localhost:8080/miniproject/admin/updateprod

Coffee Shop Management System Om Patel v

Dashboard

Employee

Product

Customer

Order

Reports

Update Product Details

Select Product

Product

Product Info

Name	<input type="text" value="Espresso"/>
Price	<input type="text" value="45.05"/>
Stock	<input type="text" value="10"/>
Description	<input type="text" value="Best coffee"/>

Admin Dashboard | Add Employee x

localhost:8080/miniproject/admin/addorder

Coffee Shop Management SystemOm Patel

Dashboard

Employee

Product

Customer

Order

Reports

Add Order

Order Details

Customer

Om Patel

Mobile:

7458693214

Email :

1032190456@mitwpu.edu.in

Address :

Panji, Goa

Coffee

Price / Unit

Quantity

Add

Id	Coffee Name	Price/Unit	Quantity	Final Price
1	Espresso	45.05	45	2027.25

Final Price :

2027.25

Place Order

Admin Dashboard | List Employee x +

localhost:8080/miniproject/admin/listcust

Coffee Shop Management System Om Patel v

- Dashboard
- Employee
- Product
- Customer
- Order
- Reports

Details of Customers

Customers

Print Customer Details

Search:

Id	Name	Email	Address	Mobile	Action
12	Om Patel	1032190456@mitwpu.edu.in	Panji, Goa	7458693214	Delete

Showing 1 to 1 of 1 entries

Previous 1 Next

Admin Dashboard | List Order

localhost:8080/miniproject/admin/listorder

Coffee Shop Management System

Om Patel

Dashboard

Employee

Product

Customer

Order

Reports

Order Details

Orders

Print Order Details

Search:

Id	Customer Name	Price	Employee Name	Date Time
5	Om Patel	185.1	Om Patel	2022-02-06 15:53:37
6	Om Patel	45.05	Om Patel	2022-02-06 15:59:00
7	Om Patel	190	Aniruddha Shende	2022-02-06 16:15:34

Showing 1 to 3 of 3 entries

Previous1Next

PHP Session Handling Details

After successful login in the system the system sets a Boolean named login as true and before loading each page the PHP checks using `isset()` function that if the login variable is set in the `$_SESSION` or not. If not, then the user is redirected to the login page.

On logout of the system the session details are cleared.

Conclusion

We make a simple and easy to use management tool for coffee shops in order to make their records digital, hence easy to maintain and other management benefits.

Through it we learned PHP, developing front-end, connecting it to back-end database, performed form validation, etc.

Bibliography

- <https://www.w3schools.com/php/default.asp>
- https://www.w3schools.com/php/php_mysql_prepared_statements.asp
- <https://www.javatpoint.com/php-for-loop>
- <https://www.javatpoint.com/php-isset-function>

Appendix

a. Tools used

- i. VS Code
- ii. MySQL Workbench/PHPmyadmin
- iii. Xampp Control Panel
- iv. MySQL Server
- v. Bootstrap

b. Plagiarism Report

RESULTS



Completed: 100% Checked



23%

Plagiarism



77%

Unique