Restaurant Management System
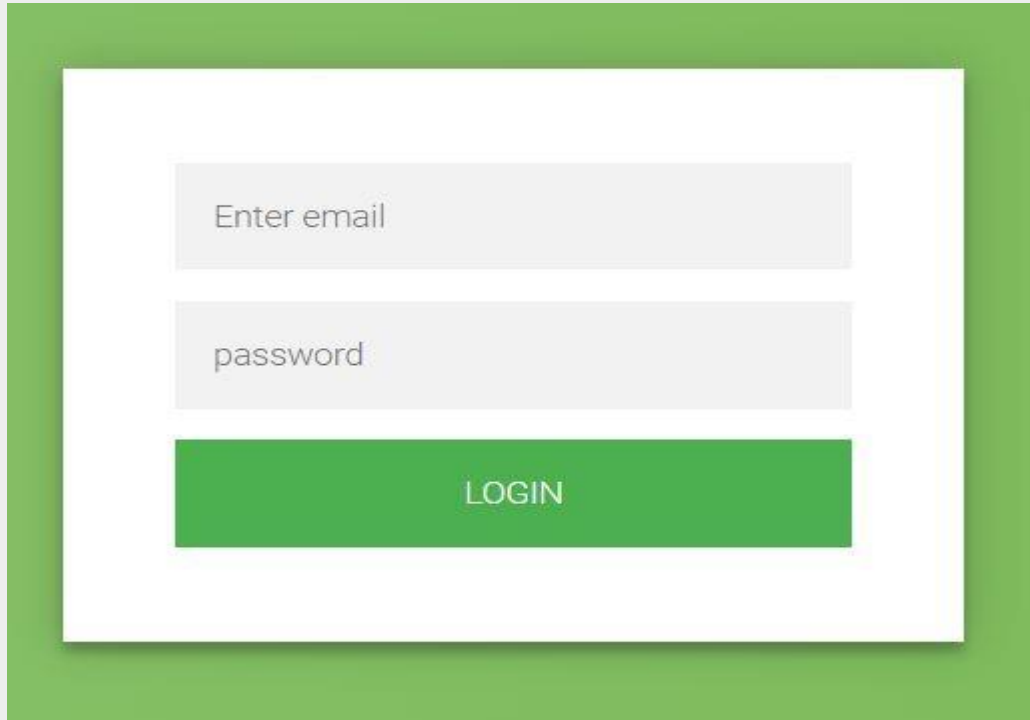
USING Django Framework

By Chinmay Jain

Framework and Technology:

➢ Django
- ○ Django is easy to learn
- ○ Faster compared to other Framworks
- ○ Django is the Python Framework which is an easy language to use
- ○

➢ SQL
- ○ Easy to handle Databases and Fetch data

➢ BootStrap
- ○ For the Designing of the Web Page of the system

SIGNUP SCREEN : Superuser Signs up using credentials

The Superuser who manages logins into the management system .

Management Operations

Restaurant Management System

Menu Actions	Customer Service	Restaurant Analysis
Profit Analysis	Staff Management	Sign Out

In Menu Action sections, Items and their data is displayed.

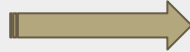| ID	ITEMNAME	PRICE
1	Wada Pav	12
2	Thali	120
3	Cake	80

Add

Delete

Update

GoBack

Restaurant Management System

Enter item

Enter Price

Enter Raw material Cost

ADD ITEM

The Item and its data is added in this section.

This Added item is displayed in the lsit of menus.

In a simalar way, update works .
In Delete command we have to select the item from the list .

Billing Page *Service customer page*

Enter: Enter item name

Quantity: quantity show

Add   Delete

Item_Id	Name	Rate	Quantity	Amount	Profit
3	Pasta	120	1	120	60
4	Pizza	180	2	360	120
5	Thali	120	1	120	50

Here the bill is created of the items ordered .

Staff Management Section

ID	Name	Salary	Contact No
1	chinmay	100	1010203040
2	saharsh	200	9080706050
3	sujith	150	8888333374
4	mukesh	600	6764839234
5	bobby	200	9876345201
6	jango	400	9876543201
7	Peter	220	8594837352
8	jackson	100	9000010000

Update

Fire

Add

Goback

This Page Displays the list of staff Members

Updating Staff Record

Enter name of person

Enter Salary

Enter Contact no

UPDATE STAFF

Here data of the staff member is updated and it is displayed in the section .

In similar way ,adding the staff Member is done .
For Deleting a staff member ,select the member to delete .

Profit Analysis

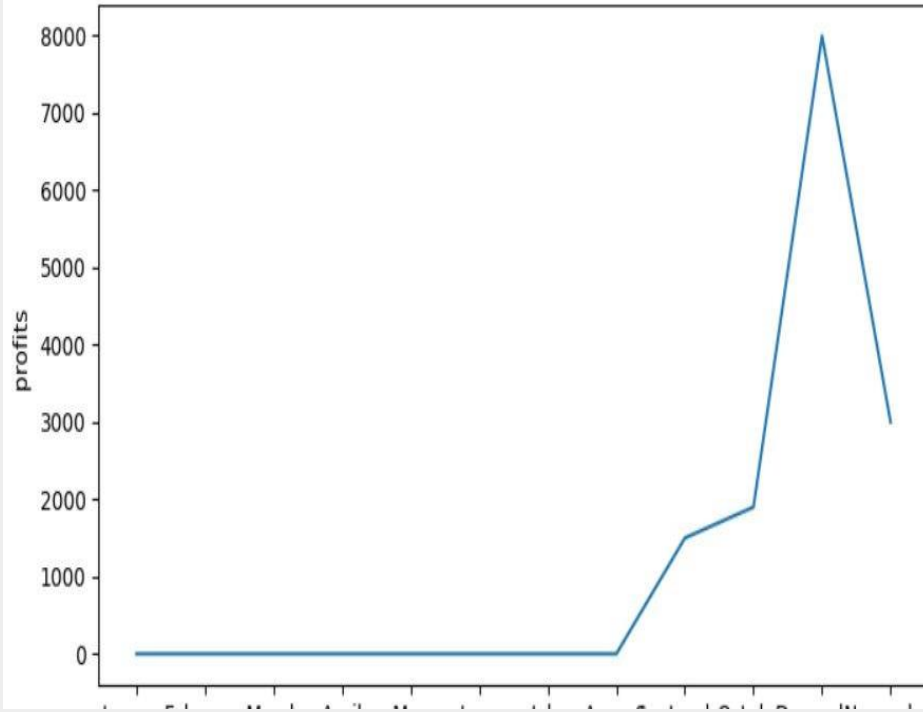Net profit from sale:

Electricity Bill:

Salary of Staff:

Calculate

Net Profit for the month :

Profit Analysis page calculates the profit in the current month by deleting the expenses And displays it .

Restaurant Analysis

The Restaurant Analysis Page shows the visual representation of the monthly profit of the Restaurant

Methodology:

There are in all 6 databases:
- ➢ *Users*
- ➢ *Items*
- ➢ *Staff*
- ➢ *Monthlysale*
  - ○ *For the sale in Each Month*
- ➢ *Mylist*
  - ○ *For the billing purpose*
- ➢ *Mysale*
  - ○ *For the sale of Each Item*

- ➢ The Django Framework is used along with the SQL Database.
- ➢ The Template Inheritence Property of the Django Framwork is in use .
- ➢ The Whole Project is developed in Visual Studio Code as an IDE and the Editor .

The Database management is done in the views Section of the Django Framwork.

Conclusion and Future Plans:

➢ The restaurant Management system aims to bring ease in managing the works of the restaurant .
➢ We will try to include the Payment Gateway part in the customer service , and will inculcate some other features like specific orders and Table managing
➢ Also,we intend to learn ReactJS for better frontend part of the project and make it attractive .

Thank You