



# Restaurant Website

2CS404 - Python for Scientific Programming

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## Overview

This project is executed using Django Web Framework. The website uses python as its backend and performs functions such as sign up, sign in, modification of menu, and selecting items and checkout. For the frontend, the project uses web development tools such as html css to create a simple and effective interface.

## Project Details

### Features:

1. Sign up and sign in functionality : The program allows new users to register and existing users to log in into the system. The details are stored in the back end database.
2. Adding and deleting menu items : We can add and delete menu items displayed on the home page. The menu is made dynamic using the database with details such as name, description and price.
3. Selecting quanting from the menu : The quantity of food items can be selected from the menu itself.
4. Checkout: Once logged in, the user can click on 'place order' to get his order summary and bill.

### Requirements and installations :



Steps to run the project :

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- **INSTALLATION AND SETUP**

1. PYTHON = 3.8.5

2. INSTALL DJANGO

conda install django

3. INSTALL POSTGRESQL

download and install PostgreSQL according to your system

from <https://www.postgresql.org/download/>

4. INSTALL pgAdmin 4

from <https://www.pgadmin.org/download/> if not installed during installation of postgresql

5. INSTALL PSYCOPG2 - PostgreSQL python connector

conda install psycopg2

6. INSTALL PILLOW - Python Imaging Library

conda install pillow

7. SETUP DATABASE

create a database PSC\_assignment in pgadmin

and set a password

Change the password in DATABASES dictionary in

PSC\_assignment/PSC\_assignment/setting.py

to the password you set in the pgadmin database



8. Migrate and set changes, run

```
python manage.py makemigrations  
python manage.py migrate
```

9. For admin login

```
python manage.py createsuperuser  
set admin username and password
```

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- **RUNNING THE PROJECT**

Run from project directory

```
python manage.py runserver
```

this will run the site at the localhost address, which will be shown in the terminal window

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open that link in browser to show the project

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- **FOR FUNCTIONALITIES**

Adding food items in menu or featured dishes

redirect to the admin site by

changing localhost:xxxx to localhost:xxx/admin

here you will be asked to enter username and password for admin

enter the password and username you entered while creating a superuser

now you will be shown



Featured\_dishess


Food\_items

Item\_typess

add items there and change will be shown directly on main site

Execution of code :

## Sign in page



### Welcome back

Your Name

Email

Password

☐ Remember me

[Log in](#)

[Go To Home](#)  
[Create Account](#)

## Sign up page

### Sign up

Your Name


Your Email

Password

Repeat your password

☐ I agree all statements in [Terms of service](#)


[Register](#)



[Go To Home](#)  
[I am already member](#)


## Home page

[HOME](#) [FEATURES](#) [MENU](#) **FUDIEE** [ABOUT](#) [LOGOUT](#) Hello, Nisarg




**cheese perfect**  
choose perfect cheese for you pizza

\$300 2




**pomo's pizza**  
its Pomo's pizza

\$300 1



**aluchat**  
Nishant's fav alu


\$300 0



**coke**  
happiness is coke with pizza


\$20 1

### Biryani



**Bombay biryani**  
Long-grained rice (like basmati) is flavored with fragrant spices such as saffron and layered with lamb, chicken, fish, or vegetables and a thick gravy.

\$300 0



**kacchi biryani**  
raw marinated meat is layered with raw rice before being cooked together. It is also known as kacchi yeqni.

\$400 1

CHECKOUT

## Checkout page

ORDER SUMMARY

BILL

cheese perfect	\$600
coke	\$20
pomo's pizza	\$300
kacchi biryani	\$400
Total	\$1320

Thank You

HOME