

Restaurant Website

 ${\tt 2CS404-Python}\ for\ Scientific\ Programming$

Made by -

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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:

- INSTALLATION AND SETUP
- 1. PYTHON = 3.8.5
- 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

- INSTALL PSYCOPG2 PostgreSQL python connector conda install psycopg2
- INSTALL PILLOW Python Imaging Library conda install pillow
- 7. SETUP DATABASE

create a database PSC_assginment 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

- 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

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

XS

open that link in browser to show the project

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

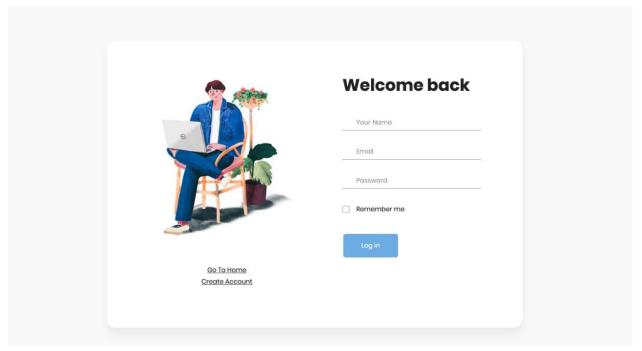
now you will be shown

Featured_dishess
Food_items
Item_typess

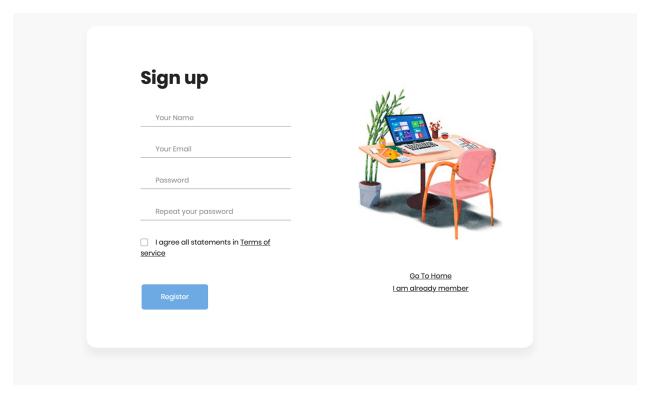
add items there and change will be shown directly on main site

Execution of code:

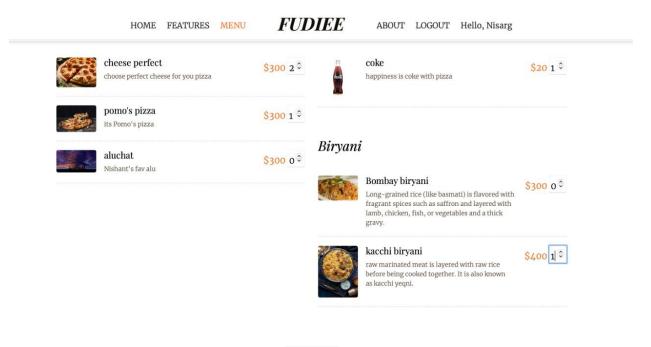
Sign in page



Sign up page



Home page



CHECKOUT

Checkout page

