CODENERA PYTHON DJANGO PROJECTS

1. Registration and login system:

The registration page would include fields such as the mail-id or phone number, the username(optional), new password and a remember me checkbox. The user can sign up with their mail-id or phone number and set a password according to the guidelines. The profile is activated via an activation code which is mailed to the user. Later, the login page displays fields to enter the username/mail-id/phone number and password. The user can then click on the login button to log into the website. Additionally, you can also implement a password reset mechanism.

Technology stack

- Python – Django
- HTML
- CSS

2. Calculator Application

A simple calculator to perform basic arithmetic operations is a good project idea. The calculator consists of an interface to key in the numbers, erase the numbers or delete the whole result. In this calculator, we can include operations such as addition, subtraction, multiplication, and division.

Technology stack

- HTML
- CSS
- Python- Django

3. Weather Prediction Application

It can predict weather details like cloud cover, rain, snow, wind speed, and temperature dynamically. The application can include features to view weather insights for a particular location and also the live location. Since you may not have a proper dataset for weather predictions, you can make use of APIs available on the internet for the same.

Technology stack

- HTML
- CSS
- Python- Django
- SQL

4. Quiz Application

The app can include features of a standard quiz application such as sign-up and login, creating new quizzes or choosing from the existing ones, timers, and themes for the quiz, dashboards for corresponding users or global users. This comes under poll-based Django projects and is suitable for people with intermediate-level knowledge in Django and other frontend languages.

Technology stack

- HTML
- CSS
- Python – Django

5. Open Source Job Portal

The portal would include the following features:

Registration and login – A registration and login page is provided on both the admin and job seeker's sides. While the admin can control the user registrations, the job seeker can perform the intended activities such as job searching, job application, etc in the platform by signing up or signing in.

Job postings according to preference – the user's preference can be collected via a filtering mechanism in the app. For example, if someone wants only a Django projects developer job, then job postings related to the same can be displayed in the person's feed.

Profile management – the user should be able to manage their profile by updating, deleting, or adding data according to their preferences. A password reset mechanism should also be implemented.

Technology stack

- Front end technologies such as Html,CSS, etc
- Python-Django

6. Library Management System

In this project, you have to make a CRUD (Create, Read, Update, Delete) app which requires knowledge of working with databases and servers. The library management system keeps a record of all the books in the library, books issued by students, fine calculation, etc.

Technology stack

- HTML
- CSS
- Python- Django
- SQL

7. Todo App in Django

The project involves the building of a todo application. In a todo app, a user can keep track of all the things he/she is planning to do and create a list. They can then update the list when the task is completed. Build a nice app with basic Html, CSS, and JavaScript and host on the localhost server using Django

Technology stack

- HTML
- CSS
- Python- Django

8. Notes App

In this project, you have to build a nice interface for a notes application. You should provide functionalities for a user to add, edit and delete notes from the application. Also, provide a feature to add images in the notes.

Technology stack

- HTML
- CSS
- Python- Django

9. Online Bookstore

The Online Bookstore is a full-fledged ecommerce website for buying and selling books. Users can browse a wide selection of books, view book details, add books to their cart, and proceed to checkout. It includes features like user authentication, order history, and a search function to help users find their desired books.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql

10. Task Management App

The Task Management App is a web-based application that allows users to create, manage, and track their tasks and to-do lists. Users can add tasks, set due dates, mark tasks as complete, and categorise tasks into different projects. The app provides a clean and intuitive interface for efficient task management.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql

11. Blog Platform

The Blog Platform is a web application that enables users to write, edit, and publish blog posts. It includes features like user registration and authentication, a rich text editor for creating posts, comments, and the ability to categorise posts into different topics. Users can also customise the appearance of their blog.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql

12. E-Learning Platform

The E-Learning Platform is a comprehensive online education system that offers courses, video lectures, quizzes, and progress tracking for students. Instructors can create and manage courses, while students can enrol, access course materials, and track their learning progress.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql

13. Social Media Dashboard

The Social Media Dashboard is a tool for managing and monitoring multiple social media accounts from a single interface. Users can schedule posts, track engagement metrics, and view analytics for their social media presence.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql

14. E-commerce Website

The E-commerce Website is an online store where users can browse and purchase a variety of products. It includes features like product listings with images and descriptions, a shopping cart for adding and managing items, and user accounts for tracking orders and preferences.

Technology stack

- HTML
- CSS
- Python- Django
- Mysql