Tittle

Notes sharing web application using Django framework…

INTRODUCTION

**Project Overview:-**

* The Notes Sharing Web Application is a platform designed to facilitate the sharing of notes, documents, and other educational materials among users.
* It provides a centralized space where users can create, upload, view, and download notes on various topics.

**Objective:-**

* The primary objective of this project is to create a user-friendly and efficient web application that enables users to share educational resources seamlessly.
* The application aims to promote collaboration and knowledge sharing among students, educators, and professionals

**Technology Stack:-**

* **Backend Framework:** Django
* **Frontend:** HTML5, CSS3, JavaScript, and Bootstrap
* **Database:** SQLite
* **File Storage:** local file storage for storing uploaded notes and documents.
* **Version Control:** Git for collaborative development and code management.

PROJECT DETAILS

TOOLS:-

1) Vs Code

2) Python

3) Django

4) Browser

Project Setup:-

* Install python
* Install vs code
* Commands used in this project:

1.python --version

2.pip --version

3.pip install django

4.django-admin startproject firstproject

5.cd firstproject

6.python manage.py runserver

* project complete setup

1) project source code

2) project ppt

3)project screenshots

TECHNOLOGY STACK:-

**1)Backend Framework: Django**

* **Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design.**
* **It provides built-in features for authentication, URL routing, template engine, database migrations, and more.**

**2)Frontend: HTML, CSS, JavaScript**

* **HTML (HyperText Markup Language): Used for structuring the content of web pages.**
* **CSS (Cascading Style Sheets): Used for styling the presentation of web pages, including layout, colors, fonts, etc.**
* **JavaScript: Used for adding interactivity to web pages, such as form validation, dynamic content updates, and AJAX requests.**

**3)Database**

* **SQLite (for development): SQLite is a lightweight, serverless, self-contained SQL database engine that is included with Python. It's suitable for development environments due to its simplicity and ease of use.**

**4)Version Control: Git**

* **Git is a distributed version control system widely used by developers for managing and tracking changes to code repositories.**
* **Developers can use Git to collaborate on projects, track code changes, and manage different versions of the application.**

FEATURES: -

**1) User Authentication and Authorization:**

* **User registration and login.**
* **Password reset functionality.**
* **User roles and permissions to control access to notes (e.g., owner, collaborator, viewer).**

**2)Notes Management:**

* **Create new notes with a title and content.**
* **Edit existing notes.**
* **Delete notes.**

**3)Collaborative Sharing:**

* **Share notes with other users via email invitation or direct link.**
* **Allow multiple users to collaborate on the same note in real-time.**

**4) User Profiles:**

* **Display user profiles with information such as name, profile picture, and bio.**
* **Show a list of notes created by each user on their profile page.**

Conclusion:-

* **The purpose of the Django framework is to empower developers to build high-quality web applications quickly, securely, and efficiently, while adhering to best practices and standards in web development.**
* **Its robust features, scalability, security measures, and vibrant community make it a popular choice for building web applications of all sizes and complexities.**