NEXT GEN EMPLOYABILITY PROGRAM

Creating a future-ready workforce

Team Members

Student Name : JANANIPRIYA V
Student ID : au613021104032

College Name

VIVEKANANDHA COLLEGE OF
TECHNOLOGY FOR WOMEN

CAPSTONE PROJECT SHOWCASE

Project Title

Notes Sharing Web Application using Django Framework

Abstract | Problem Statement | Project Overview | Proposed Solution | Technology Used | Modelling & Results | Conclusion

Abstract

➢ *This project aims to develop a web application for sharing notes using Python with the Django framework.*

➢ *The application provides a user-friendly interface for creating, organizing, and sharing notes securely.*

➢ *Users can collaborate in real-time, edit notes, and comment on shared content, facilitating seamless knowledge exchange and collaboration in academic and professional settings.*

Source :

Problem Statement

➢ *Existing note-sharing platforms often lack the necessary features to support real-time collaboration and synchronization among multiple users.*

➢ *Many platforms also struggle with ensuring version control, leading to confusion and inefficiencies when multiple users edit the same document simultaneously.*

➢ *Additionally, the increasing prevalence of remote work and distributed teams underscores the importance of accessibility and cross-platform compatibility in note-sharing applications.*

➢ *Users require a solution that enables them to access and collaborate on notes from anywhere, using a diverse range of devices, without compromising usability or performance.*

Source :

Project Overview

➢ *The Note Sharing Web Application is a platform designed to facilitate the creation, storage, sharing, and management of notes for individuals and teams.*

➢ *It provides users with a centralized repository to store their notes securely, accessible from any device with an internet connection.*

➢ *The application aims to streamline the note-taking process, enhance collaboration, and improve productivity for users across various domains.*

Proposed Solution

➢ *The proposed solution aims to develop a robust notes sharing web application using Python with the Django framework.*

➢ *This application will facilitate seamless sharing and collaboration on notes among users, providing a user-friendly interface and robust security measures.*

➢ *Implement a secure user authentication system allowing users to sign up, log in, and manage their accounts securely.*

Key Features

❑ *User Registration and Authentication*

❑ *Note Creation and Management*

❑ *Collaborative Note Sharing*

❑ *Version Control and Revision History*

❑ *Search and Filtering*

❑ *Cross-Platform Accessibility*

Technology Used

Front-end

Back-end

Source :

Modelling & Results

Fields: username, email, password, date joined, last login
Relationships: One-to-many with Note model.
Users can register for an account with a username, email, and password.
Notes are stored securely in the database and associated with the user who created them.
Users can update, delete, and organize notes into folders.
Sharing options include granting view-only or edit access to shared notes.
Collaborators can leave comments or suggestions on shared notes.

Homepage

Welcome Back !!!
Login .....!!!

About-Us-Page

project   Home 👤 Sign up 🔁 Log in

Username: [   ]
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only. **Email:** [   ]
Phone no: [   ] **Password:** [   ]
- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation: [   ]
Enter the same password as before, for verification. **First name:** [   ] **Last name:**
[   ]

🗹 **sign up**

Already have an account ?

Login Page

Home   Sign up   Log in

Username: [ ] Password: [ ]

login

don't have account,sign up

Files Uploading Page

Upload Files

File uploaded successfully.

File Name

File

| Choose File | No file chosen |

Submit

View File

S.No	File Name	File	Delete
1	college	Ex_-_567.pdf	Delete

Files Deleting Page

Upload Files

File deleted successfully.

File Name

File

Choose File | No file chosen

Submit

Future Enhancements:

- ❑ ***Real-Time Collaboration:*** *Implement real-time collaboration features, allowing multiple users to edit a note simultaneously and see changes in real-time, similar to Google Docs.*
- ❑ ***Rich Media Support:*** *Enhance note-taking capabilities by supporting the embedding of images, videos, audio files, and other rich media content within notes.*
- ❑ ***Integration with External Services:*** *Integrate the application with external services such as Google Drive, Dropbox, or Evernote, allowing users to import/export notes seamlessly.*
- ❑ ***Notifications and Alerts:*** *Implement notification features to alert users about new shared notes, comments on their notes, or upcoming deadlines associated with notes.*

Conclusion

- ✓ The Note Sharing Web Application presents a robust solution for individuals and teams seeking to streamline their note-taking processes, enhance collaboration, and improve productivity.
- ✓ Through its user-friendly interface and comprehensive feature set, the application addresses key challenges associated with managing notes across different platforms and devices.
- ✓ By providing users with centralized access to their notes, the application promotes organization and efficiency.
- ✓ The ability to share notes with others fosters collaboration and teamwork, allowing users to work together on projects, tasks, and study materials.

Source :

THANK YOU!