



NEXT GEN EMPLOYABILITY PROGRAM

Creating a future-ready workforce

Team Members

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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.

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. Moreover, security is a paramount concern, as sensitive information shared within notes must be protected from unauthorized access or tampering.

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.

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



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.

Authentication system ensures secure access to the application's features.

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

project

[Home](#)

[Sign up](#)

[Log in](#)

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

project [Home](#) [Sign up](#) [Log in](#)

Username: Password:



[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

In 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. Users can easily create, store, and manage notes, categorizing them into folders or tags for better organization. The ability to share notes with others fosters collaboration and teamwork, allowing users to work together on projects, tasks, and study materials.

Thank You!