



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

- The aim of this project is to make use of Python & the Django framework to build a web-based note-sharing application.
- The program includes an easy-to-use interface for safely producing, organizing, and sharing notes.
- Users may change notes, comment on shared content, and connect in real-time, which makes it easier for people to share knowledge and work together in academic and professional situations.

Problem Statement

- The elements required to facilitate multiple users' real-time collaboration and synchronization are frequently absent from existing note-sharing platforms.
- When several people update the same document at once, many platforms also have trouble maintaining version control, which causes confusion and inefficiency.
- Furthermore, security is of utmost importance since confidential information exchanged in notes needs to be shielded from manipulation or unwanted access.
- Furthermore, note-sharing programs need to be cross-platform compatible and accessible due to the growing trend of remote work and distributed teams.
- Without sacrificing accessibility or performance, users need a solution that lets them access and collaborate on notes using a variety of devices, from anywhere.

Project Overview

- A platform called the Note Sharing Web Application was created to make it easier for both people and groups to create, store, share, and manage notes.
- Customers can safely keep their notes in a single location that is accessible from any internet-connected device.
- Through improved note-taking, improved collaboration, and increased productivity, users in a variety of fields are expected to benefit from this program.

Proposed Solution

- Using Python and the Django framework, the recommended approach seeks to create a reliable notes-sharing web application.
- With a user-friendly layout and strong security features, the program will make note sharing and collaboration among users easy.
- Provide a safe way for users to register, log in, and access their accounts through the use of a user authentication system.

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 summary, the Note Sharing Web Application offers a solid option for people and groups looking to increase productivity, foster teamwork, and simplify note-taking procedures.

The application tackles major issues related to organizing notes across many platforms and devices with its feature-rich feature set and intuitive design.

The program encourages efficiency and order by giving users centralized access to their notes. It's simple for users to take, store, and organize notes by classifying them into tags or folders for improved management.

Sharing notes with other people promotes cooperation and teamwork by enabling users to work together on assignments, projects, and study materials.

Thank You!