NoteShare

Team Members:
Sarthak Agrawal
Abhijeeth Singam
Aadarsh Raghunathan
Kunwar Maheep Singh
Saravanan Senthil

The Application:

NoteShare is an easy to use web-app for students to share any academic materials in very diverse forms, from images to PDFs and even archives! The files can be uploaded and then easily be accessed from any computer at any time in the future! So you can access all the notes from all your classmates of your current semester with ease and also view previous semester notes (like Lini Ma'ams slides) or examination papers.

Significance:

Due to the lack of a localized collection of course material, students constantly struggle to find material like notes and previous papers to aid them in their preparation for tests and understanding of the course lectures. Thus, an application like NoteShare is a much needed application for the ease of finding such material.

NoteShare also allows the students to study courses outside of their course plan with ease, since they won't have to struggle to keep up with clashing time-tables and can instead find quality course material on this platform. Since various professors also follow different course structures (like in Data Structures & Algo for 2k18 and 2k19) and teach in different depths(like ITWS-1 for 2k14 and 2k19), one can also understand the course through various views.

How the application was made:

NoteShare is a flask-based web application pivoted on its back-end and a JavaScript front-end. Bootstrap is used to achieve a responsive, clean and elegant mark-up. An SQLite database is used to store all the numerous courses that the college offers to enable an easy and efficient filtering process for uploading. NoteShare utilises wrappers like Flask_SQLAlchemy, WTForms and Flask_upload for easy form based uploads and simple database interaction. WTForms is used to create forms to aid the process of uploading and browsing through content present on the server.

Future scope:

NoteShare is an application with a lot of potential for growth. We intend for NoteShare to grow to enable a more user-friendly and intuitive interface. We intend to make this possible by introducing an account-based system. By using an account-based system, many other things are made possible. For example, we could implement an upvote-downvote system to start recommending good quality material to user. This makes it so that user can quickly find good material for their needs. Also, users could report material that contain incorrect information, thus allowing for bad material to be filtered out to raise the quality of the content being provided on the platform. An account based system would also allow integration with moodle so that content relevant to the user's courses and courses the user is interested in can be displayed to the user more efficiently and the user can be notified in case highly-rated material is uploaded to those courses. Security feature is also introduced as there is assurance of identity of the participants.

Select the appropriate course

Plese click to upload

Upload

2021 Monsoon ▾   Statistical Methods and Artificial Intelligence ▾   Choose file No file chosen   Submit