Project Proposal - LiveClass

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Weekly Meeting Times:
- Friday 2-4pm

Project Overview:

Our project will be a live-streaming web application that caters to the academic setting. Professors can livestream their lectures in this application, while students who have access to that class can watch the lecture, and post questions or comments to the live chat next to the video. We will have a login page that will authenticate the user's credentials, and based on the account type the user can have access to different features of the application. For example:
- Student: watch video, post questions
- TA: all the above, and the ability to delete and answer chat questions
- Lecturer: all the above, the ability to start and end stream, and the ability to authorize students to join the stream
- Admin: master

The GUI will consist mainly of the video, the live chat interface, and the lecture files and comment section for the class below the video. The video stream and live chat feature will require multi-threading code and networking, as we have multiple users accessing these functionalities concurrently.