

Part II: The Idea:

The idea my final project caters to is the education and learning domain. While there exist many video-based learning platforms like YouTube, Coursera, Khan Academy, SciTube! focusses on a specific subject area like science to allow novice learners acquaint themselves with the subject matter so as to gain more expertise.

To that extent, SciTube! is primarily a website that helps beginners like first year undergraduate students of Physics watch video lectures and explanatory videos covering a breadth of topics and take down specific notes in order to write a basic outline on the topic being discussed in the video.

SciTube! is aimed at students and beginners who are new to the topics in science. Although the student can watch the videos on YouTube, SciTube! gives them additional features to loop through specific segments of the video, jump to specific times in the video that he has marked and write the outline side by side as he is watching the video. The outline can also be downloaded as a text file or a markdown file for later reference.

The videos are mostly science based, with added focus towards explanatory videos no more than 15 minutes that detail the topic (e.g. "Heisenberg's Uncertainty Principle"). The user can interact with them in a variety of ways in addition to playing them: he can play segments of the video again, and he can forward to particular times in the video so that he can revisit them later. Once he has written an outline of the story and has downloaded it to his computer, the user can click the Done button, which alerts a message that he has successfully learned a topic and that he is free to go back to the Home page to watch other videos.