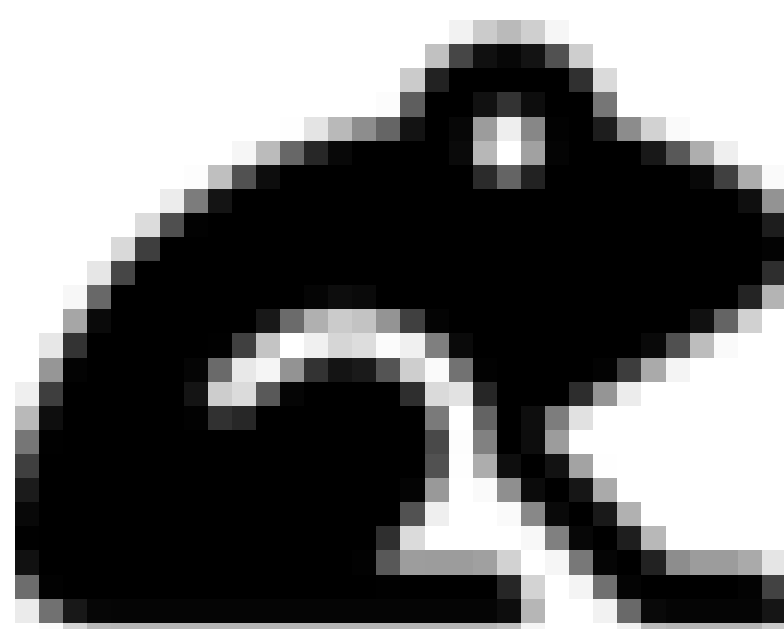
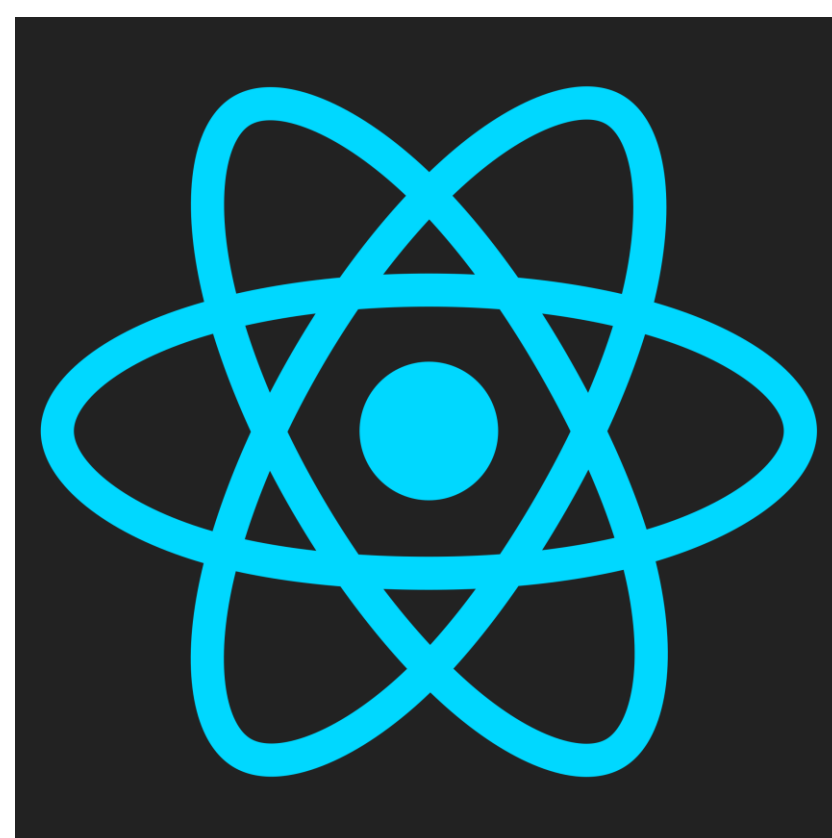
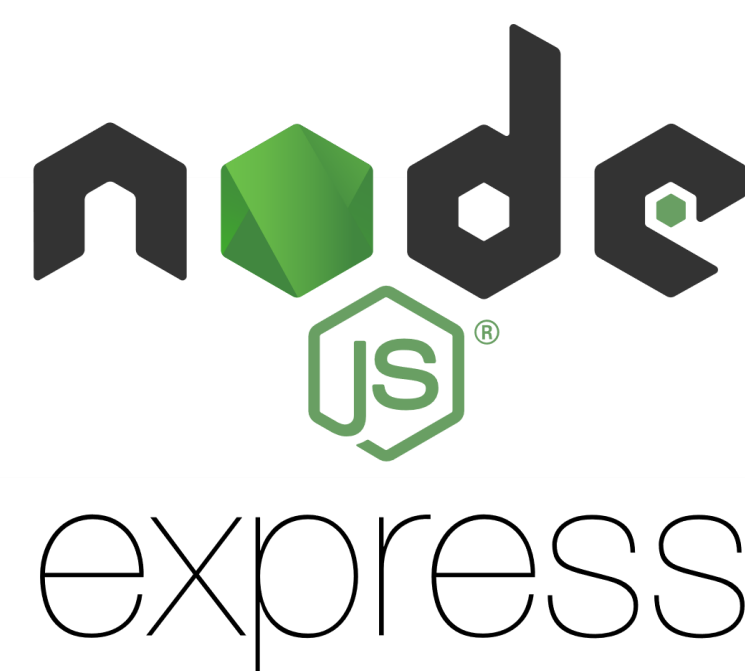




Biology DemoEd



DemoEd

Students: David Giles, Shanice Badoo, Batiah Sinepha, Franklin Neves, Alisa Chavez
Mentor: Dr. Sat Gavassa, Florida International University
Instructor/Faculty: *Masoud Sadjadi*, Florida International University

PROBLEM

The product owner, Dr. Sat Gavassa, requested our team to improve functionality of this web application by providing the ability to add different types of assignments that can then be assigned to students. The video creation feature should allow teachers to choose a time for a video to start and end. The student would then view the video before answering following questions.

SYSTEM DESIGN

DemoEd is a full stack web application. The front end of the application is built using React, a JavaScript library commonly used for web applications. The back end is built with Express.js. Express.js is a flexible Node.js web application framework which was used to develop all necessary API endpoints and interactions with our MongoDB database.

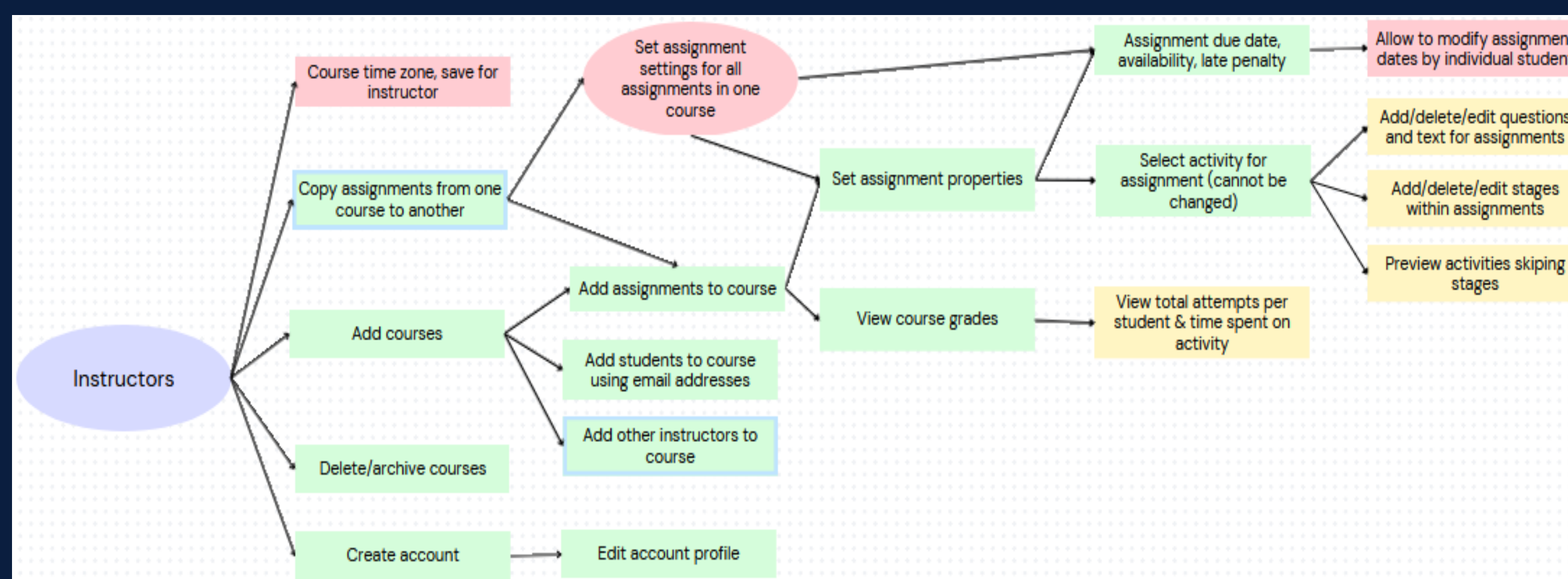


- When the teacher chooses to load a url the url is converted to an embed link and a preview of the video is shown
- The reset button can remove the link and start times allowing for the teacher to restart the video creation process

CURRENT SYSTEM

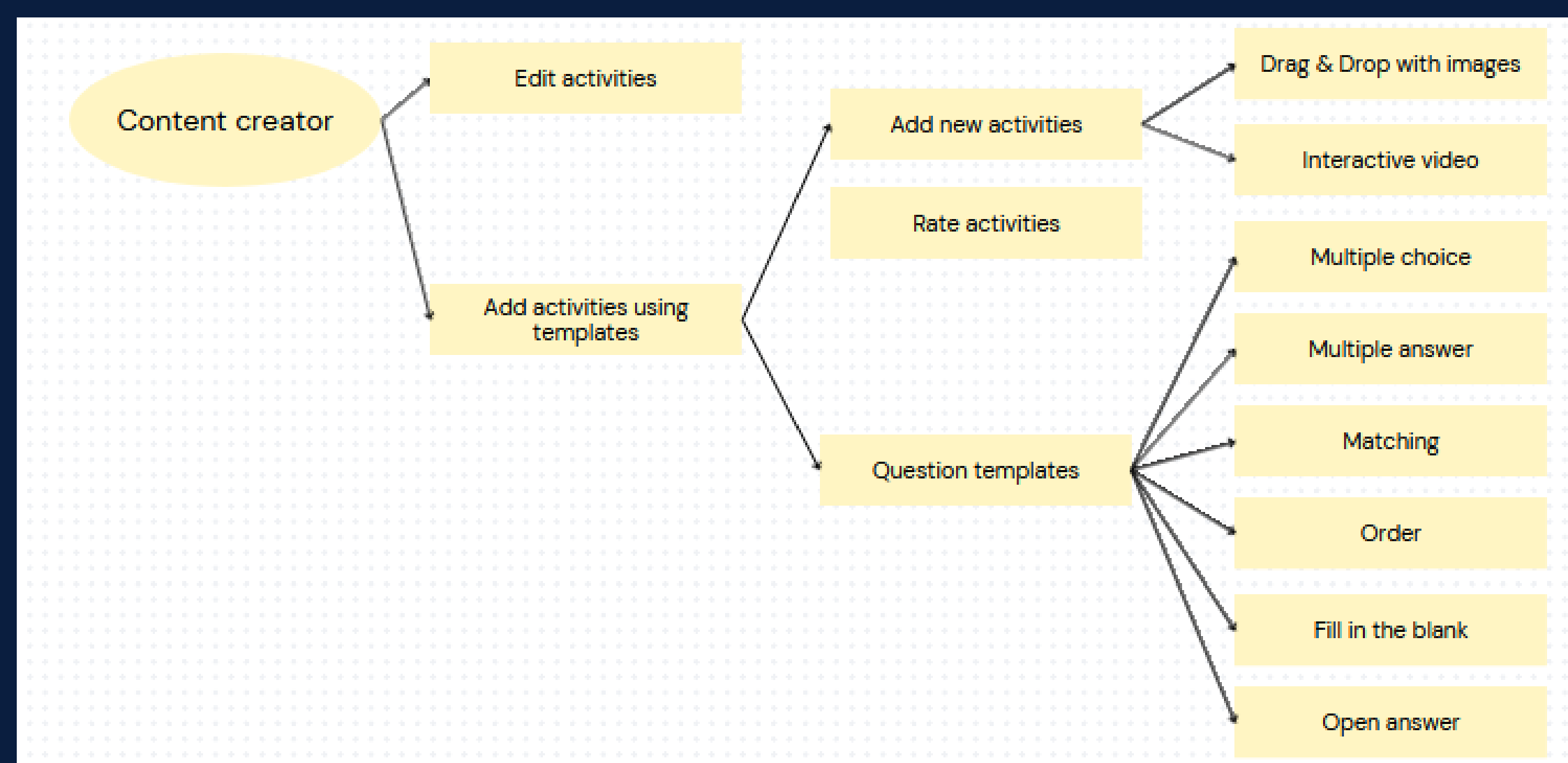
DemoEd is a web application for students and teachers to use for educational purposes. Teachers can assign assignments to students for the students to complete. Upon completion, the teacher is given the score that the student received on that assignment.

USE CASE DIAGRAM



REQUIREMENTS

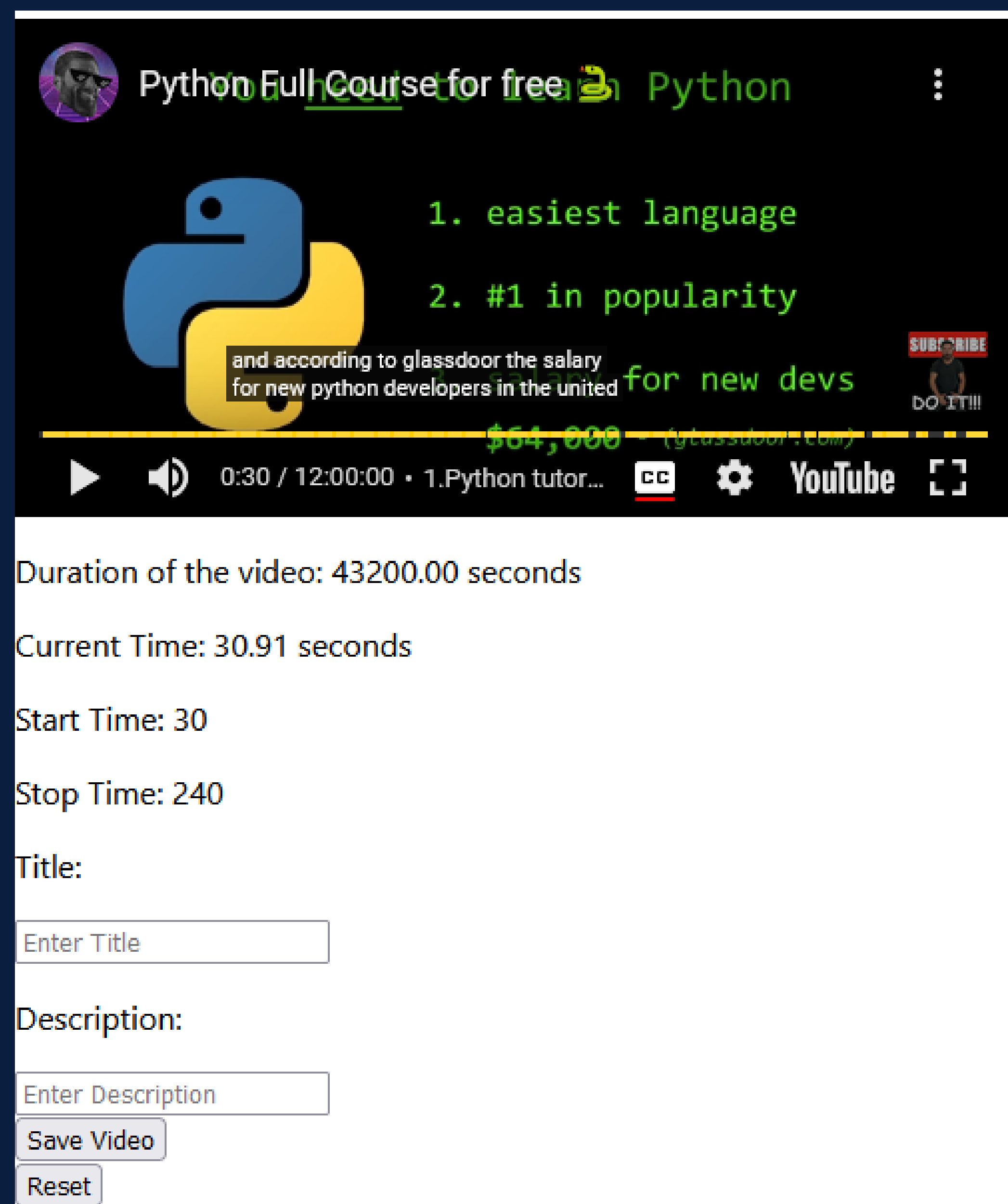
- The teacher can choose start and end time of the video their choose to upload
- The student can view the video from the start time to the end time



IMPLEMENTATION SUMMARY



- The embed link can have the start and end time concatenated onto the string to play the video from the chosen start time to the chosen end time
- When end time is selected a preview of the embed link with start and stop times is shown



- The new embed url is saved with the activity information to the database with the start times and end times given by the teacher

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