**YouTube Clone App**

**Learning objective**: Use React.js, Axios, and CSS to build a responsive YouTube clone app to search for YouTube videos, ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ via wrapper around Google YouTube API.

**Technologies:** React.js, Node.js, Express.js, MongoDB, Mongoose, CSS, Axios, Postman, YouTube API, Create React App

**API Documentation:**

https://developers.google.com/youtube/v3/getting-started

Google Developer Console: https://console.developers.google.com/

Embedded Player: https://developers.google.com/youtube/player_parameters

REST Request Documentation: https://developers.google.com/youtube/v3/docs/search/list#http-request

This is for searching for a video based on a query:

- https://www.googleapis.com/youtube/v3/search?q={SEARCH QUERY HERE}&key={API KEY HERE}

This is for searching for related videos:

- https://www.googleapis.com/youtube/v3/search?relatedToVideoId={VIDEO ID HERE}&type=video&key={API KEY HERE}

**User Stories**

**Total project points:** /105

**Total weighted points to final grade:** /80

**Features:**

(5 points): As a developer, I want to make good, consistent commits.

(7.5 points) As a developer, I want to set up my MongoDB Atlas cluster so that I will be able to save my video information and comments in a database.

(15 points) As a developer, I want to set up my Node.js and Express.js web API with appropriate routes, schemas, and models.

(5 points): As a web designer, I want to create a wireframe for my application

(5 points): As a developer, I want to create a React app using Create React App.

(5 points) As a developer, I want to use React.js best practices, which consists of creating class components and function components when appropriate, and properly passing state around as props.

(7.5 points) As a developer, I want to use CSS appropriately to make an aesthetically pleasing application.

(10 points) As a developer, I want to use Axios to make GET requests to the YouTube API to pull in video data.

(5 points) As a user, I want to be able to search for YouTube videos.

(5 points) As a user, I want to see a grouping of videos related to my search.

(5 points) As a user, I want to be able to play a YouTube video in the embedded video player.

(5 points) As a user, I want to see the title and description of the currently playing video.

(5 points) As a user, I want to be able to select a video to be played from a list of related videos to my search.

(7.5 points) As a user, I want to use Axios to make POST requests to my backend API to add a comment to a video in the comment section.

(5 points) As a user, I want to use Axios to make PUT requests to my backend API to like or dislike a comment in the comment section.

(7.5 points) As a user, I want to use Axios to make POST requests to my backend API to reply to another comment in the comment section.

*All comments can be anonymous. They do NOT need to be attached to a user.