# YouTube Clone Frontend

## 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, Django, Django REST Framework, MySQL, CSS, Axios, Postman, YouTube API, Create React App

***NOTE: Django REST API backend is for storing the comments for the videos. It is required to complete the backend API before moving on to any of the user stories. Once completed, send the repo with the completed code to your group of instructors to be checked off.***

## 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 (API CALL #1):

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

This is for searching for related videos (API CALL #2):

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

# User Stories

**Total Unweighted Project Points: /65**

**Total Weighted Project Points: /80**

(5 points): As a developer, I want to make good, consistent commits (at least 25 for the entire team for both the backend and frontend).

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

(5 points) As a developer, I want to use React.js best practices, which consists of creating **function components** 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 and see a video related to my search populate my embedded video player. (API CALL #1)

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

(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 see a grouping of videos related to my search. (API CALL #2)

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

(7.5 points) As a **registered** user, I want to add a comment to a video in the comment section (Using Axios to make POST requests to my backend API). ***When comments are added to the backend for a specific video, I want to make a GET request every time that video is loaded as the currently playing video and see all comments for that video.***

Bonus:

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

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