

# Engineering - Project Proposal

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11-15-2022

## Question / Need:

- The need: create a web app that has the ability to return popular YouTube videos of specific subjects based on criteria such as views, comments, etc. for a specific subject.

## Impact:

- Although YouTube search exists, it will return videos based on bias such as user location and sponsored videos. This could lead to missing videos relevant to a user which may be otherwise harder to find. This project will attempt to remove the bias by returning raw results based on a search term in a query to the YouTube API.

## Data Description:

- The data will be data returned from the YouTube Data API v3. This has content to retrieve feeds related to videos, users, and playlists as stated [here](#).

## Tools:

- VSCode
- Python with respective libraries
- Google Cloud Platform

## MVP Goal:

A minimum viable product would contain most of the proof-of-concept code with an example that the code works, a basic web app framework is designed, and can be queried.

## Sketch of End-to-End Pipeline

