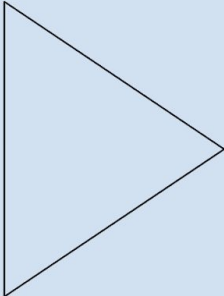# Exercise: Single Page Video Player

Implement a single page video player using React.js that integrates with the YouTube API found here: https://developers.google.com/youtube/v3/.

The api you should be using is https://developers.google.com/youtube/v3/docs/search/list. This api allows the to pass a search term and returns a list of matching results.

You will need a google account, and you will need to create and enable an api key for your application here: https://console.developers.google.com/apis/. Click on credentials and create your api key.

Here's a mockup of what the UI could look like:

Goal: Provide us with a link to the code in codesandbox or a snack. This should not take more than 3 hours. When you are done, write summarize the type of things you would have done if you had more time.

Expected Behavior:

The player should:
- Have an initial state with no video selected.
- Allow searching youtube search API for videos.
- Display Video Metadata: update video title, description, channel name.
- Play/Pause button to allow starting and stopping when there is a selected video.

When successfully finding videos, the application will select the first video returned by the API.
- It will be the default video selected.
- The selected video must update the video metadata defined in the section above.
- The video is in a paused state, at 0s.

When changing the search, it will update the video again to the first result.
When there are no results it should display an error message.

You will be evaluated for:
- Code quality
- Code structure and consistency
- Functionality