

Write your own youtube search application.

Imagine you would like to write your own youtube search engine, without any ads, to make the world a better place. It should be simple and fast application written in React and using its ecosystem of packages.

The application will have only one screen with three main areas.

1. Top bar will include only search input, where you can write down the search query and when submitted, the found results will populate the sidebar with results found on the Youtube API.
2. Sidebar will contain individual results you get from Youtube API. Each found item should display the title of the video together with a small thumbnail of the video. These items should be clickable and when clicked on, the main content area will update with the currently selected video.
3. Main content area will display an Youtube embedded video player with video controls. Underneath it will show the title and the description of the video.

Pointers

- make use of YouTube API (obviously)
- use some kind of layout frameworks so the application looks nice (Bootstrap, Material UI, Foundation, ...)
- use frontend libraries for styling and fast prototyping so the application looks somehow appealing (Bootstrap, Material UI, Foundation)

Bonus points

- use redux for application state where needed instead of separated component state
- integrate the search input with redux form
- indicate loading and failure states for better UX

Super bonus points

- implement login modal window (accessible from top bar) to be able to login to youtube with your google account and allow the user to like or dislike the video in the main content area (user will have this ability only when logged in)
- implement a separate screen for login and integrate react router into the application

