Components
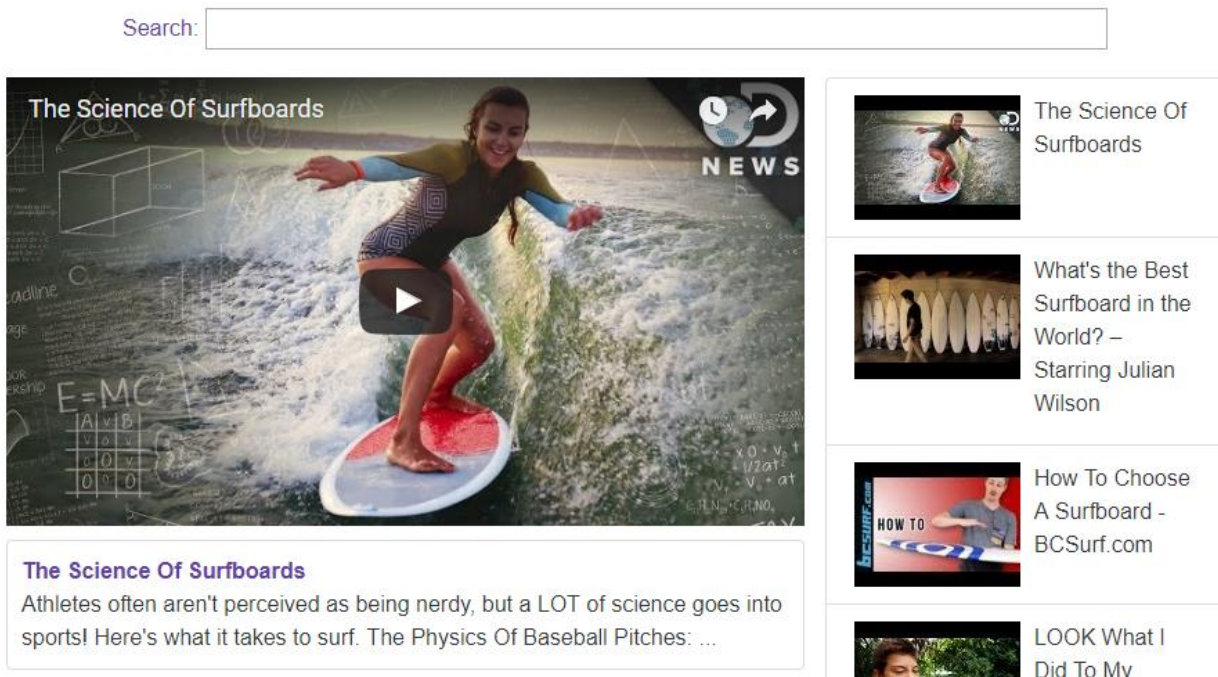
These are the components used in the video search app. Source code on GitHub.

App

This is a class-based component that renders elements for the entire app, including a search bar, video player, video details and a list of videos. The conent is populated from data returned by an API call to Youtube. App's constructor sets the search result to 'surfboards' to populate some content before the user types any input into the search bar.

Properties

Name	Type	Description	Initial state	State changes at
videos	array	List of videos.	empty	videoSearch()
selectedVideo	string	The id of a selected video.	null	onVideoSelect()
term	string	Search term entered by the user.	empty string	onInputChange() onSearchTermChange()

Renders

Returns the **SearchBar**, **VideoDetail** and **VideoList** elements with a 300 millisecond delay after state change.

Search Bar

This is a class-based component that renders a search bar, which accepts users input. The component then makes a call to Youtube API based on what the user enters.

Search: [   ]

Properties

Name	Type	Description	Initial state	State changes at
term	string	Search term entered by the user.	empty string	onInputChange() onSearchTermChange()

Renders

Returns search bar element with value of **term**. Re-renders element when user updates input.

Video Detail

This is a functional component that renders a video player, title, and details. If **videos[]** is empty, the element displays a loading message.

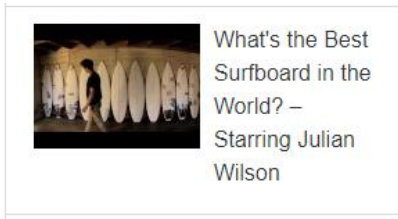**The Science Of Surfboards**
Athletes often aren't perceived as being nerdy, but a LOT of science goes into sports! Here's what it takes to surf. The Physics Of Baseball Pitches: ...

Constants

Name	Type	Description
videoId	string	Video id from object returned by Youtube API.
url	string	Youtube video url to be embedded in iframe.

Renders

Returns video details element with video player, title and description.

Video List Item

This is a functional component that renders a single video in the video list.

Parameters

Name	Type	Description
video	string	The selected video object.
onVideoSelect	callback	Runs when user clicks a different video.

Constants

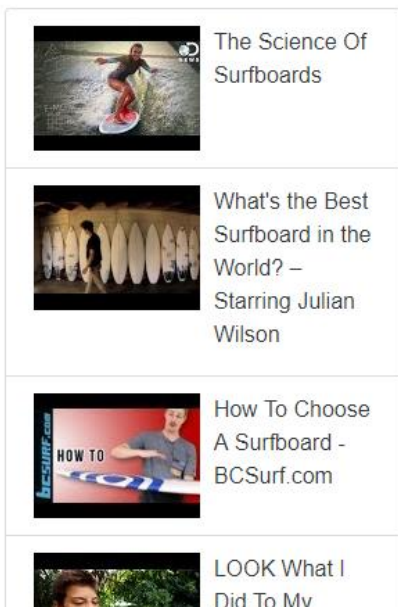| Name	Type	Description
imageURL	string	URL for a video thumbnail.

Renders

Returns a single list item with the video title and thumbnail.

Video List

This is a functional component that renders a list of videos the user can click.

Properties

Name	Type	Description
video	string	The selected video object.
videoItems	callback	Returns video list item with information about the video.

Renders

Returns the element as a list of videos.