**Building a ‘YouTube Clone Application’**

**Concepts:**

1. Working with components
2. State Management
3. LifeCycle methods
4. Passing props from parents to children
5. API calls (Fetch real data from YouTube API)
6. Destructuring
7. Project structure
8. Inline CSS

Packages:

1. axios
2. material ui

Components are class based and functional components. We also have dummy components such as const App = () => {

return <h1>Hello</h1>

}

To create a youtube API request, we can create a separate component by axios.create() method which we will be used to make requests in another component later. In this current component, we can specify the baseURL and we can also specify our base params.

When we want to import only a specific syntax or data from anywhere we must use curly braces which also means that the framework also has many other syntaxes. If we only to import a component we just simply import it without any curly braces.

For searchTerm, we will leave it any empty string and will later modoify it.

We can also export all the components using curly braces.

export {default as SearchBar } from ... by creating an index.js file

It is not necessary to specify the exact path index.js at the end because in react they are special.

HandleChange: In order to get the input from the textfield, we need a onChange parameter with handleChange method.

Destructuring:

const { searchTerm } = this.state

We can also call onFormSubmit in the parent App.js component by passing it as a prop. When we access it, we need to access it or destructure it using this.props

In react we don’t want to refresh the whole webpage when event is fired. For that we need to write e.preventDefault()

When we fetch data from the API, we need to use async and await. It usually stops the execution of the code until some data is fetched.