

React API Call and React Routing Week: Todo List

1. Master - React API Call and React Routing

By the end of this week, you should **MASTER** these topics:

→ React API Call

- ◆ The concept API
- ◆ Creating an API key: generating a Google API key
- ◆ The concept JSON
- ◆ JSON as a common API output and why it is preferred when transmitting data from a web server to a web page
- ◆ Making a Youtube API request
 - Calling/fetching JSON data from Youtube
 - Using the fetched JSON data in your React component

→ React Routing

- ◆ Creating a page using data from JSON file saved locally
- ◆ Creating a dynamic page by fetching data from database
- ◆ Creating a React app that has multiple routes
 - Why we use React's react-router-dom library
 - Router component and how it is used to wrap your Route components when rendering a single component
 - Route and how it uses a prop called "path" to point paths/URLs and to render the specified components if the path name matches
 - Switch component and how it looks through all of its child routes only renders the first matched URL
 - Link component and how it creates links in your React app just like an anchor tag does
 - Why Link component is preferred to an anchor tag in React

By the end of last week, you should have already watched the class videos on "**React API Call**" and "**React Routing**". You should have also listed out all of your questions.

1.1. Working on "API Call" and "React Routing" practice questions (7 hrs)

- Instructions on how to complete the questions is found here:
 - [Link to homework](#)
- Try the homework on your own first and discuss it with your groupmates
- List out the parts you don't understand and ask your groupmates when you meet in groups

1.2. Complete the “React API Call” and “React Routing” checklists (2 hrs)

- React API Call checklist
 - [Link to React API call checklist](#)
- React Routing checklist
 - [Link to React Routing checklist](#)
- Mark the ones you understood as complete, and list out the parts you didn't understand for further discussion

1.3. Before you meet your instructors in the group discussions

- Meet with your groupmates before the group sessions with Evangadi instructors. Please take the lead in sending out Zoom links and inviting everyone for discussion
- Try to discuss the questions you have with your groupmates

1.4. Attend the 2 group meeting sessions with your instructors (4 hrs)

- Discuss the remaining questions you have prepared
- Turn your camera on, share your screen and participate

Yay 😊😊 you have completed all of your class sessions!!!