

React States and React Hooks Week: Todo List

1. Master - React States and React Hooks

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

→ React States

- ◆ The concept of state in React
- ◆ Difference between states and props
- ◆ Adding and using status in your class components
- ◆ Updating state values in class components using setstates() method
- ◆ React lifecycle methods

→ React Hooks

- ◆ The concept of Hooks in React
- ◆ The problem React Hooks was introduce to solve, i.e., using React without classes
 - Hooks to use states, props, lifecycle methods and context without writing a class
- ◆ Rules to follow when using React Hooks
- ◆ How to set state using previous state when your state depends on the previous state value
- ◆ Understanding and using the most important built-in Hooks in React
 - useState()
 - useEffect()
 - useContext()

By the end of last week, you should have already watched the class videos on “**React states**” and “**React Hooks**”. You should have also listed out all of your questions.

1.1. Working on “ React States” and “React Hooks” practice questions (5 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 States” and “React Hooks” checklists (2 hrs)

- React States checklist
 - <https://www.evangadi.com/checklist/react-states>
 - React Hooks checklist
 - <https://www.evangadi.com/checklist/react-hooks>
 - Mark the ones you understood as complete, and list out the parts you didn't understand for further discussion
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- **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
 - **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

2. Prepare for week 4 - “API Integration” and “React Routing”

2.1. Watch the “API Integration” videos (4 hrs).

- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions

2.2. Watch the “React Routing” videos (4 hrs)

- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions

2.3. Attend the “API Integration” and “React Routing” live lecture classes (4hrs)

- Read the lecture note side by side
- Prepare to ask your questions