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:
  - o [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
  - [Link to react states checklist](#)
- React Hooks checklist
  - [Link to react hooks 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

2.   <u>Prepare for Next Week - "API Integration" and " React Routing"</u>

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