

Short answer:

Topic 1:

1. What is React
2. What's react's pros and cons
3. What is virtual DOM and how does React utilize it?
4. Why react over angular? Why angular over react?

Topic 2:

1. Explain difference between stateful and stateless components? Do you prefer stateful or stateless components?
2. What's state in react? What's is used for and how to change it?
3. How does the change of state impact React?
4. What is props in react?
5. What's the difference between state and props?
6. If you call this.setState() in componentDidMount(), the render() method will be called twice, will the user see intermediate state?

Topic 3:

7. What is controlled component in React?
8. What is react lifecycle methods? What lifecycle methods you used?
9. What do you usually do in componentDidMount() and componentDidUpdate()?
10. What is hooks in React? What hooks you used?

Topic 4:

11. What is functional component?
12. What is use state hooks and use effect hooks?

Programming:

Build a task tracker app

1. The homepage should be seen as below

Task Tracker

Add

No Tasks To Show

Copyright © 2021

[About](#)

2. When click add, it shows the follow page:

Task Tracker

Close

Task

Add Task

Day & Time

Add Day & Time

Set Reminder

☐

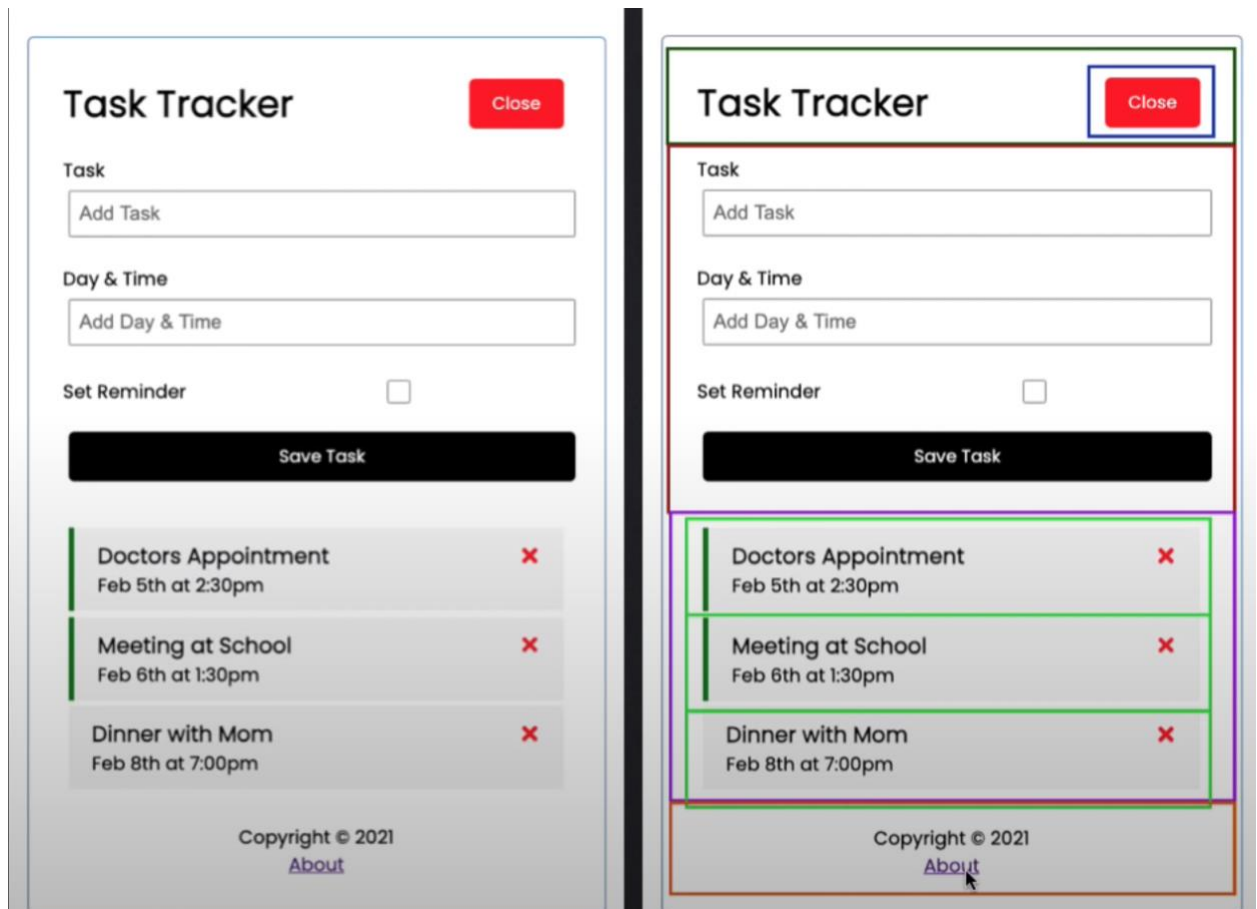
Save Task

No Tasks To Show

Copyright © 2021

[About](#)

3. user can enter task and date time to save the task
 - a. doing an input validation before saving the task, the task and date&time should not be empty.
4. After user clicks the save task and finish all the validation, save the task and display the tasks below



5. When user clicks the delete button, delete it from the list.
6. Think about the design of the component as the picture shown.