

Section Notes

Section 3 : State & Props

See the Prezi presentation (<https://prezi.com/view/7vQnKNGn21gFASjYf772/>)

Brief Notes

- State and props manage data
 - Ways to manage modular data in React
 - You will be using these constantly
- State is internal to a component
 - Use `this.setState({})` to set the state, **not** directly `this.state = 'whatever'`
 - Set up in `constructor()` function
 - Can have multiple complex variables inside state
- Props
 - Passed as HTML properties in JSX
 - Pass data between components
- Lifecycle
 - Certain functions that trigger on state or prop changes or component events
 - Mounting, state change, prop change, before and after (“will” and “did”)
- Can combine with conditional statements to do things dynamically

Review Assignment

- Use the components inside the .zip folder in your components folder (save your existing code first if you want)
- Solution available as `app2.js` in the same folder

Quiz

See page 2 for answers.

1. Props is internal to a component. True or false?
2. Name two lifecycle methods.
3. When does `componentWillReceiveProps` trigger?
4. State can be set using `this.setState()` or by redefining state using `this.state = { var : 'hi' }`. True or false?
5. You can add custom events to a component. True or false?

Quiz Answers

1. False. State is internal to a component.
2. componentDidMount, constructor, render, componentDidUpdate, etc
3. Just before new props (if props have changed) are received by the component
4. False! ALWAYS use this.setState()
5. True! Add as many custom events as you want...