Common Mistakes | Cheat Sheet

Concepts in Focus

- Missing Export Statement
- Missing Import Statement
- Missing Extending the React Component Class
- class vs className
- onclick vs onClick
- Event Listeners inside Class Component
- Passing Event Handler
- Modifying the State Directly
- Calling setState() from render()
- Invoking Event Handler
- setState() is Asynchronous
- React Component should return a single JSX element
 - Fragments
- Props are Read-only

1. Missing Export Statement

Mistake:

File: src/App.js

```
3 r const App = () => {
4    return < Counter />
5  }
6
7  export default App
```

File: src/components/Counter/index.js

2. Missing Import Statement

Mistake:

File: src/App.js

J EXPOIL GELAGIL APP

File: src/components/Counter/index.js

3. Missing Extending the React Component Class

Mistake:

File: src/App.js

```
1 import Counter from './components/Counter'
3 - const App = () => {
7 export default App
```

File: src/components/Counter/index.js

```
1 import './index.css'
4 render() {
   Counter
                                                                           Collapse ^
```

4. class vs className

Mistake:

```
import ( Component ) from 'react'

import ( Co
```

5. onclick vs onClick

Mistake:

```
14 }
15 }
16
17 export default Counter
```

6. Event Listeners inside Class Component

Mistake:

```
1 import { Component } from 'react'
3 import './index.css'
5  class Counter extends Component {
    state = { count: 0 }
    onIncrement() {
      const {count} = this.state
      console.log(count)
    render() {
     Counter
      <button onClick={this.onIncrement}>Increase</button>
                                                                                                           Collapse ^
```

Solution:

JAVASCRIPT

```
1 v onIncrement = () => {
2    const {count} = this.state;
3    console.log(count);
4  };
```

In Arrow functions,

this refers to the context in which the code is defined.

7. Passing Event Handler

Mistake:

```
import { Component } from 'react'

import { Component } from 'react'

import './index.css'

class Counter extends Component {
    state = {count: 0}
    onIncrement = () => {
        this.setState(prevState => ({
            count: prevState.count + 1
        }))
    }

reduct)

render() {
    return <button onClick={onIncrement}>Increase</button>
}
```

```
15 }
16
17 export default Counter

Collapse ^
```

1 <button onClick={this.onIncrement}>Increase/button>

8. Modifying the State Directly

Modifying the state directly won't trigger the

render() method.

Mistake:

```
1 v onIncrement = () => {
2    this.state.count = this.state.count + 1;
3    };
```

Solution:

```
JAVASCRIPT

1 v onIncrement = () => {
2 v    this.setState(prevState => ({
3         count: prevState.count + 1
4     }));
5  };
```

Mistake:

```
1  state = {
2    person: {name: "Rahul", age: 30}
3  }
4  
5  onUpdateAge = () => {
6    const {person} = this.state
7    person.age = 29
8  }
```

Solution:

Updating List

```
Mistake:

1 * render() {
2     this.setState({ count: 0 })
3     return ({...})
4  }
```

Specifying a new state with

9. Calling setState() from render()

setState() function causes a new render. If we call setState from the render() function, this will cause an infinite loop.

When we call setState from the

render() function, it will cause an infinite loop.

10. Invoking Event Handler

Mistake:

```
1 import { Component } from 'react'
3 import './index.css'
5  class Counter extends Component {
    state = {count: 0}
    onIncrement = () => {
     this.setState(prevState => ({
     count: prevState.count + 1
      }))
    render() {
     Counter
       <button onClick={this.onIncrement()}>Increase
                                                                                                        Collapse ^
```

Soution:

```
1 import { Component } from 'react'
2
3 import ' /index css'
```

11. setState() is Asynchronous

setState() does not update state immediately.

```
import { Component } from 'react'

import { ./index.css'

class Counter extends Component {
    state = {count: 0}

    onIncrement = () => {
        const {count} = this state;
    }
}
```

12. React Component should return a single JSX element

```
import Welcome from'./components/Welcome'
const App = () => <Welcome />
export default App
```

12.1 Fragments

The fragment is an alternate way to return a single JSX element. It groups a list of children without adding extra nodes to the DOM.

Short Syntax:

13. Props are Read-only

File: src/App.js

```
1 import Welcome from './components/Welcome'
2 const App = () => <Welcome name="Rahul" />
3 export default App
```

File: src/components/Welcome/index.js

```
1 - const Welcome = props => {
     props.name = 'Ramu'
    const {name} = props
    <h1>Hello, {name}</h1>
     You are learning React
                                                                                                              Collapse ^
```

✓ MARKED AS COMPLETE

Submit Feedback