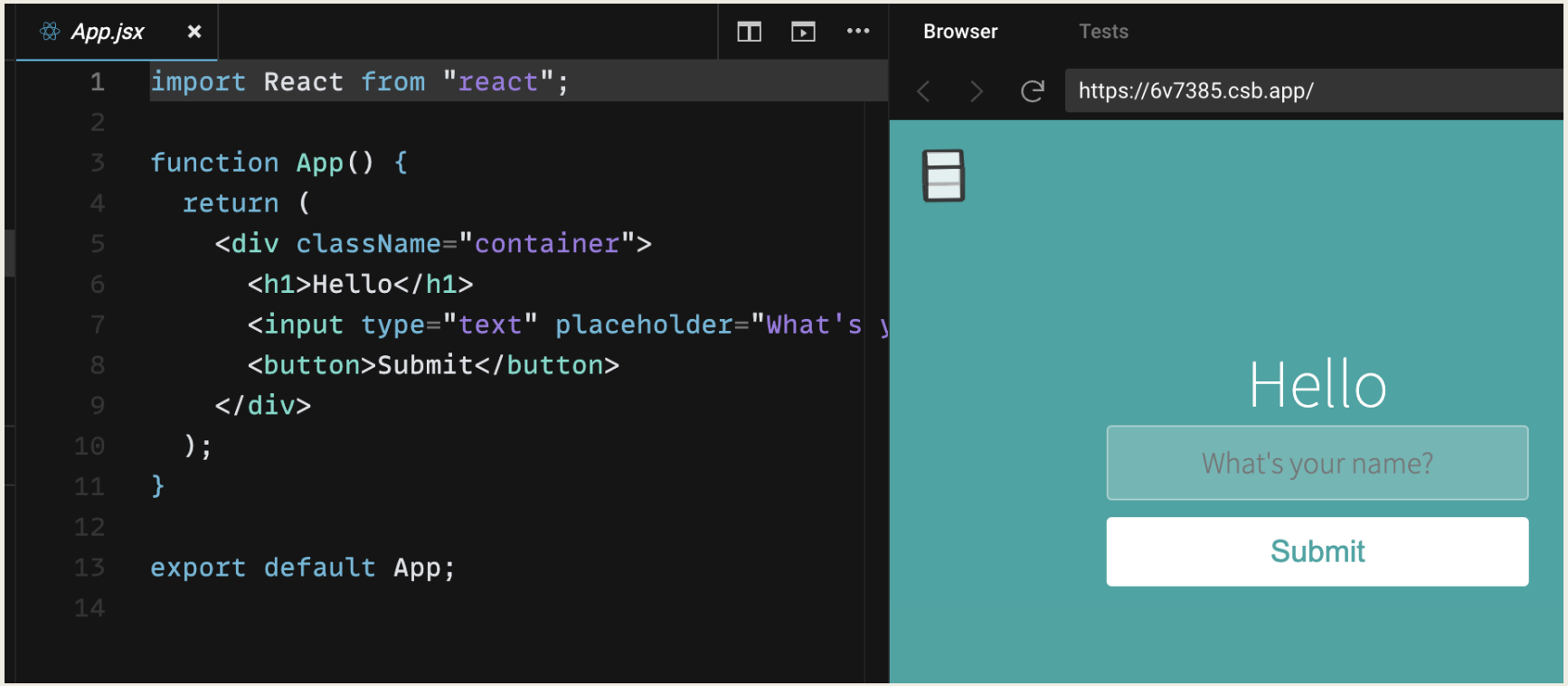
EVENT HANDLING

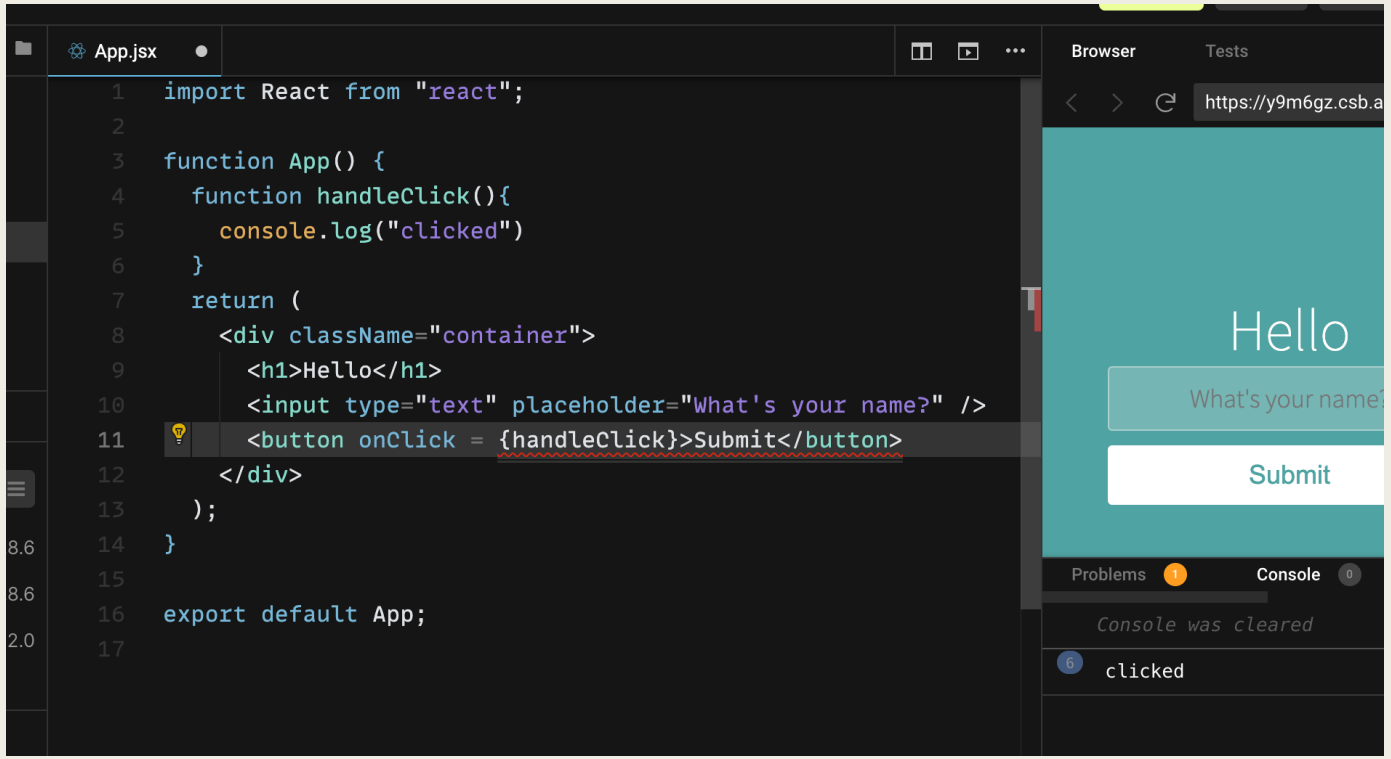
We will learn -

- How to detect when users interact with the app and
- How to render different things based on those events.
- Go here - https://codesandbox.io/s/event-handling-in-react-forked-msr7np

App.jsx – h1, input, button



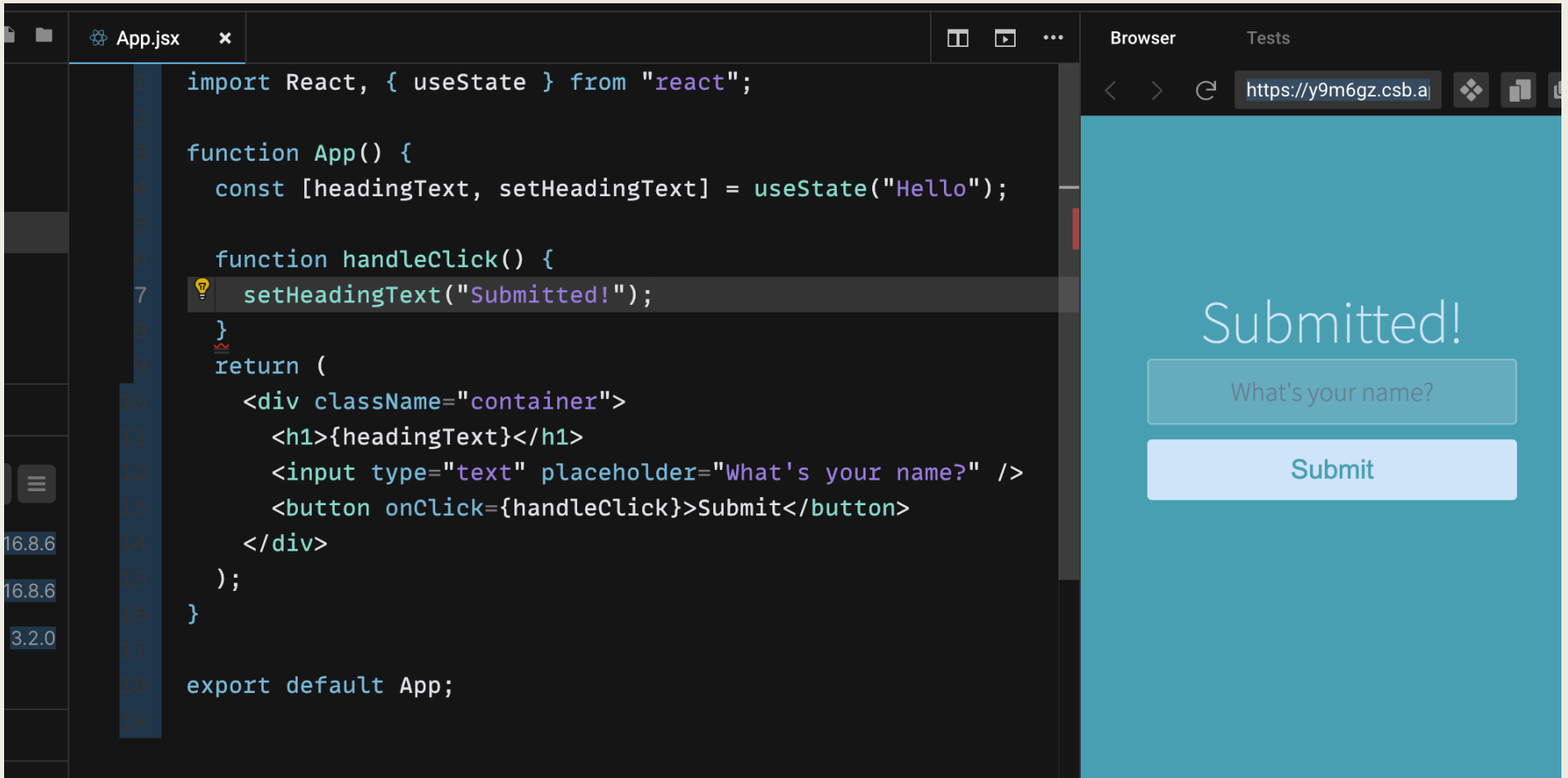
Activating button : onClick, handleClick()



How can we change the content of h1 when the button is clicked?

const [headingText, setHeadingText] = useState();

- Use useState() hooks, declare the starting state and a function that change that starting state.



What are the different events?

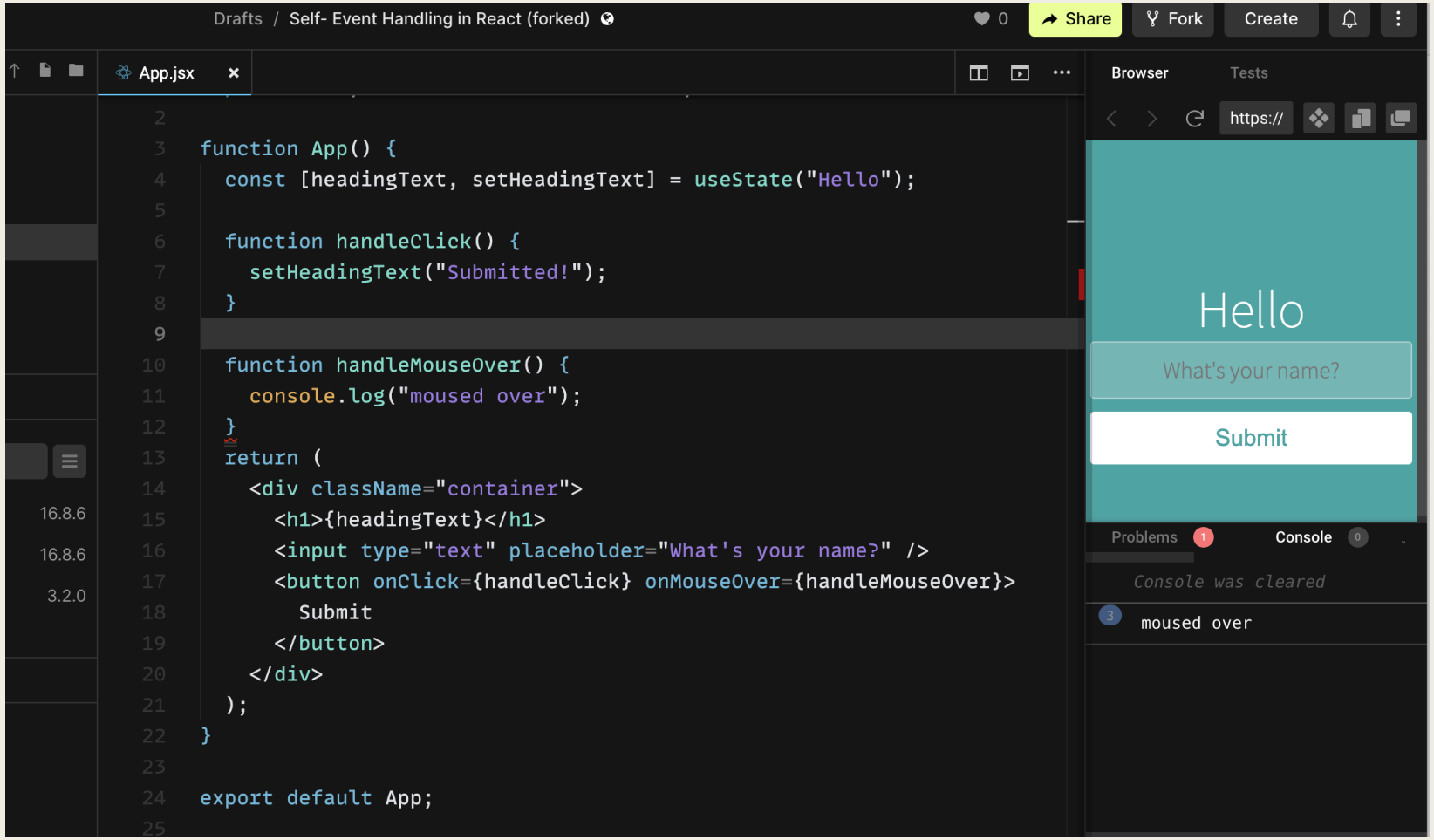
- List - https://www.w3schools.com/tags/ref_eventattributes.asp

Challenge :

- Use onmouseout and onmouseover events to change the background color of submit button when hovered over.

Solution

- Use onMouseOver = handleMouseOver

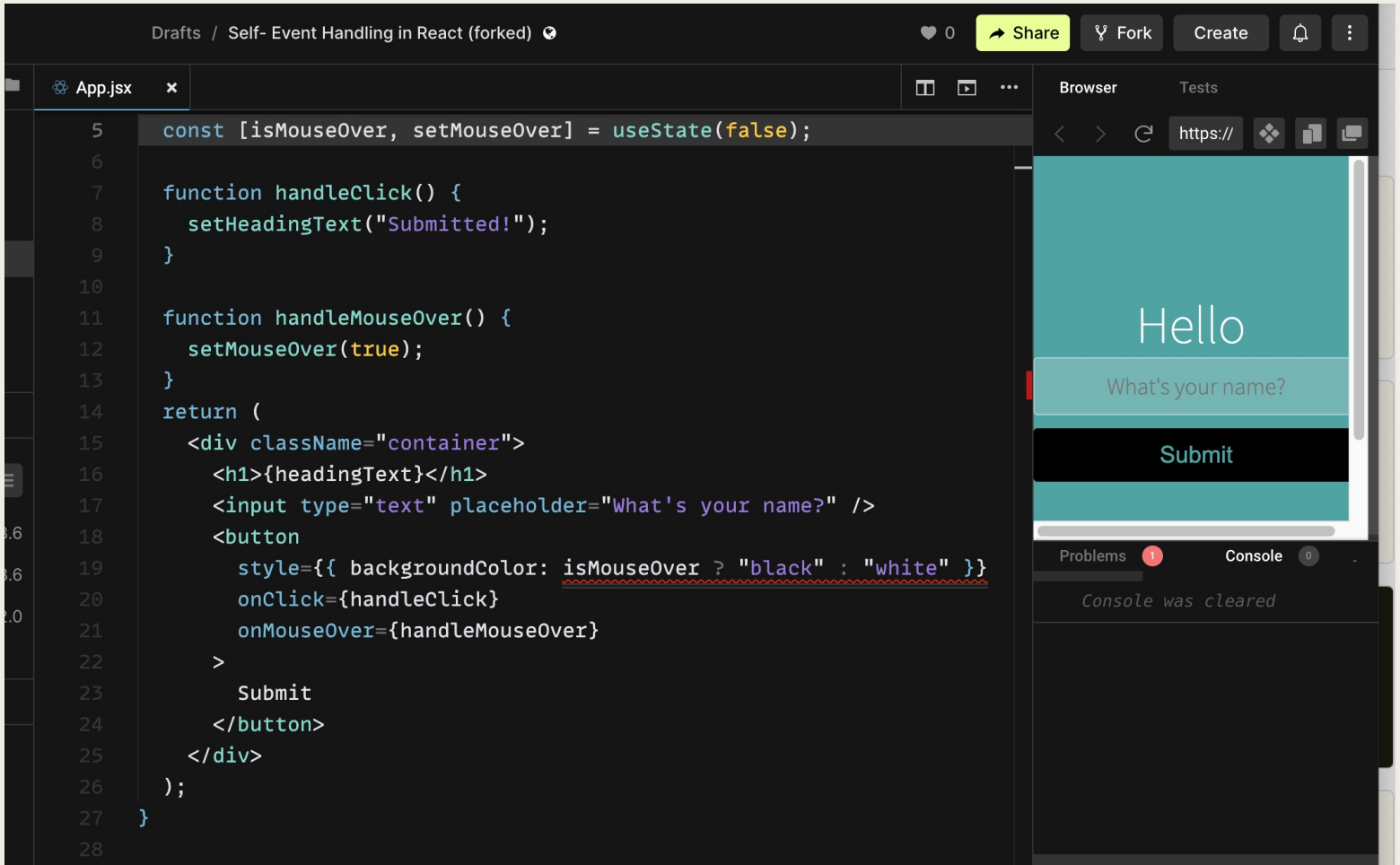


Use State to change the background color

- const [isMouseOver, setMouseOver] = useState(false);
- Starting value is false assuming when the page loads, mouse will not be on the button.
- Once the event is triggered handleMouseOver() sets SetMouseOver(true);
- Also set a backgroundColor :”white”

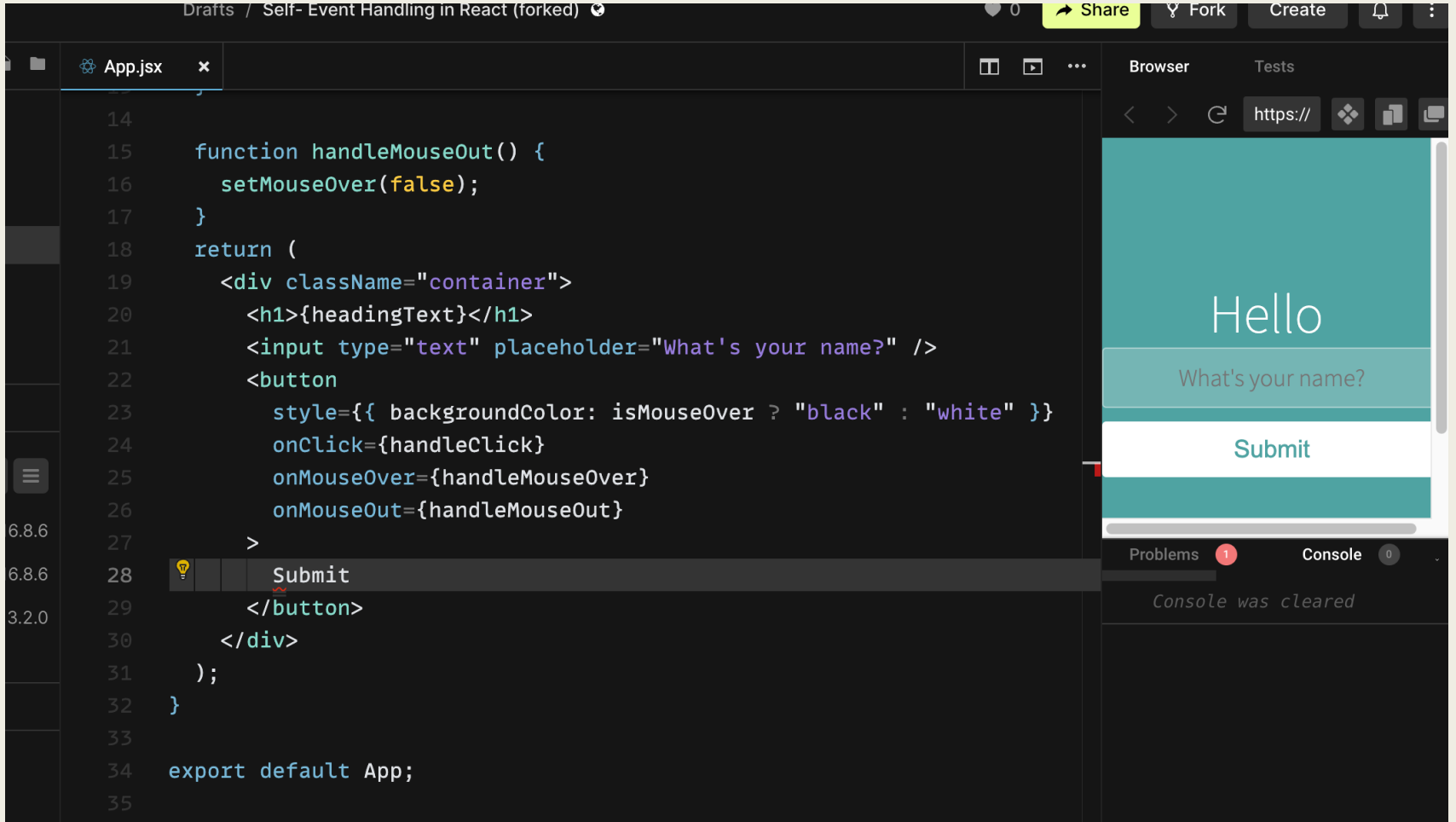
```
<input type="text" placeholder="What's your name
<button
  style={{ backgroundColor: "white" }}
  onClick={handleClick}
  onMouseOver={handleMouseOver}
>
  Submit
</button>
```

Background color changed via mouseover



How to change back to white color when mouse is out?

Solution : HandleMouseOut is set to false



- Learn more about conditional (ternary operator) - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Conditional_operator

- The full code can be viewed as - https://codesandbox.io/s/self-event-handling-in-react-forked-y9m6gz?file=/src/components/App.jsx