Coding Activity 6.2

Parent And Child Re-render (90:00)

#### **Learning Outcomes Addressed**

 2.Manage state globally at the application level

 3.Manage state locally at the component level

Next, you’ll get more experience managing the relationship between parent and child components by synchronizing the state between parent and child.

**Render Parent and Child on Update**

#### Triggering A Render With Nested Components

Through this week, you've seen a Board component which comprises of multiple Square components. React.useState() manages the state of all components. In this implementation of the Tic-tac-toe board, you'll notice that the state change (and subsequent re-render) of a parent also re-renders a child component.

**Through the course of this activity, you'll observe some key concepts in action as well as make a small change to restore the original functionality where a click in the child (Square) triggers a state change in both parent and child and results in both of them being re-rendered.**