**CS628 Full-Stack Development II**

**HOS04: React State**

12/12/2021 Developed by Jerry Zeyu Chen

Please answer the question and capture the screenshots of the below steps into this document according to the content of HOS04. And save this document as a PDF for submission.

**Section 2 step 4:** Please feel free to explore React's official documentation to learn about other lifecycle methods, and answer why not use componentDitUpdate() method in this section, but componentDidMount()?

Documentation: <https://reactjs.org/docs/react-component.html>

Answer:

The componentDidMount() is invoked immediately after a component is mounted (inserted into the tree). Initialization that requires DOM nodes should go here. But componentDidUpdate() is invoked immediately after updating occurs. This method is not called for the initial render. So we use componentDidMount().

**Section 3 step 1:** Note that in line 56, we used the slice method that comes with JavaScript's Array to make a shallow copy of the this.state.issues array. Please do some personal research or read textbooks to answer why we need to do this? Some useful information: <https://reactjs.org/docs/react-component.html#setstate>

Answer:

The this.state property read. When the state changes, the state value is also changed. After each modification, the this.render method is automatically called to render the component again.