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BSIT 32A1

ESSAY PART

What is the difference of state and props?

The **State** is a dynamic structure that holds data or information about the component. A component's status can be altered over time. This change in status occurs as a result of user action or system events throughout time. Stateful components are components that have a state. It is an important part of the React component that determines how it will behave and render. They're also in charge of making a component lively and engaging. While **Props** Properties are abbreviated as props. State and props are fundamentally different since props are immutable. Props are components that are read-only. It's an object that stores the tag's attribute value and works similarly to HTML elements. It facilitates the transfer of data from one component to another. Props are comparable to function arguments in that they are supplied to the component in the same way as arguments are passed to the function. The props inside the component cannot be changed. Props are attributes that can be added to components. These properties are exposed as this props in the component and are used to render dynamic data in our render method.

Let me show you some detailed differences of props and state:

**Props** is

* Immutable
* The child component can access them.
* They are read-only.
* They allow you to pass the data from one component to other components as an argument.
* The stateless component can have props.

While **State** is

* Mutable.
* The child component cannot access it.
* State changes are asynchronous.
* It holds information about components.
* Stateless components cannot have props.