

Tell us the differences between uncontrolled and controlled components.

Uncontrolled components are form elements that manage their own state internally, without managing their state. When an uncontrolled component is rendered, React sets the initial value attribute. After that, the component's value can be updated independently of React by the user. Controlled components, on the other hand, are form elements that are managed by a parent component. The parent component provides the value prop and also defines a callback function to handle changes to the value.

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How to validate React props using PropTypes

PropTypes can help catch errors and improve code maintainability by documenting what properties a component expects. PropTypes also provide warnings if an unexpected prop type or shape is passed. By using PropTypes, you can ensure that your components receive the correct props and catch errors early in development. To use PropTypes, first import it from the prop-types package. Then define the expected type for each prop that the component expects by adding a propTypes object to the component's definition.

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Tell us the difference between nodejs and express js.

NodeJS is an event-driven, non-blocking I/O model using JavaScript as its main language. It allows for multiple connections to be handled simultaneously without blocking the execution of other code. Express.js is a web application framework built on top of NodeJS. It provides a simple way to build web applications with NodeJS, including routing, middleware, and a templating engine.