

1. DIFFERENCES BETWEEN UNCONTROLLED AND CONTROLLED INPUTS

Uncontrolled components:

- # Manage their own state internally.
- # The component's state is not directly controlled by React.
- # Values can be accessed using a ref, but they don't have an onChange handler.
- # Typically used for simple forms or when you need direct access to DOM elements.

Controlled components:

- # Manage their own state internally.
- # The component's state is directly controlled by React.
- # Values can be accessed using a ref, and they have an onChange handler.
- # Typically used for complex forms or when you need indirect access to DOM elements.

2. HOW TO VALIDATE REACT PROPS USING PROPTYPES

PropTypes is a package in React that allows you to define the type and shape of the props that your component receives.

It provides runtime type-checking to help catch bugs and ensure that the correct props are passed to your component.

1. Import the PropTypes package: import PropTypes from 'prop-types'.
2. Define the PropTypes for your component, specifying the expected types and any required properties.
3. Assign the PropTypes to the component's propTypes static property.

3. DIFFERENCE BETWEEN NODE.JS AND EXPRESS.JS

Node.js:

- # Node.js is a JavaScript runtime environment built on the Chrome V8 JavaScript engine.
- # It allows you to execute JavaScript code outside the browser, on the server-side.
- # Provides a platform for building scalable and high-performance network applications.
- # Offers a vast ecosystem of libraries and frameworks to build various types of applications.

Express.js:

- # Express.js is a minimal and flexible web application framework built on top of Node.js.
- # It provides a set of features and tools for building web applications and APIs.