

### Components

```
import React from 'react'
import ReactDOM from 'react-dom'
class Hello extends React.Component {
  render () {
    return <div className='message-box' >
      <UserAvatar src={avatar} />
      Hello {this.props.name}
    </div>
  }
}
const el = document.body
ReactDOM.render(<Hello name='John' />, el)
```

Use the [React.js jsfiddle](http://react.js.jsfiddle.net) to start hacking (or the [unofficial jsbin](http://unofficial.jsbin.com))

### Nesting

```
class Info extends React.Component {
  render () {
    const { avatar, username } = this.props
    return <div >
      <UserAvatar src={avatar} />
      <UserProfile username={username} />
    </div>
  }
}
```

As of React v16.2.0, fragments can be used to return multiple children without adding extra wrapping nodes to the DOM.

### Children

```
<AlertBox>
  <h1 >You have pending notifications</ h1>
</AlertBox>
class AlertBox extends React.Component {
  render () {
    return <div className='alert-box' >
      {this.props.children}
    </div>
  }
}
```

Children are passed as the children property.

### Properties

```
<Video fullscreen={ true} />
render () {
  this.props.fullscreen
  ...
}
```

Use this.props to access properties passed to the component.  
See: Properties

### States

```
constructor(props) {
  super(props)
  this.state = {}
}
render () {
  this.state.username
  ...
}
```

Use states (this.state) to manage dynamic data.

See: States



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Page 1 of 1.

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