FORMS 201

More where that came from

♦ FULLSTACK 1 REACT.JS INP

TRAJECTORY

- How to get data
 - Controlled components
 - Uncontrolled components
- Managing form state

♦ FULLSTACK 2 REACT.JS INPUT

HOW TO GET DATA

♦ FULLSTACK 3 REACT.JS

HOW TO GET DATA

- Collect from the change event while users are typing
 - Place the data on state
 - Able to calculate validations with each change
- Collect from the submit event
 - Does not keep any form data on state
 - Unable to perform any inline validation

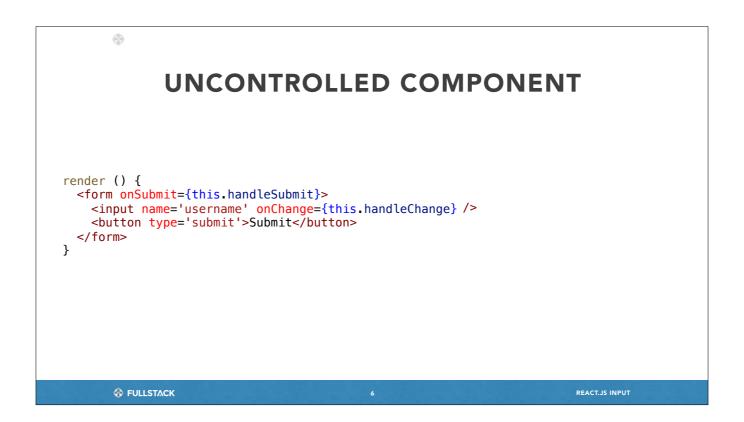
First bullet: example, those password forms that yell at you while you're typing

Second bullet: example, posting a comment on facebook. Can get key-value pairs for our input as long as they have name properties (event.target.username.value)

CONTROLLED/UNCONTROLLED

- Controlled form components have their values directly controlled by state
 - Changes to the value on state update what you see in the form
 - Changes to what you see in the form update the value on state
- *Uncontrolled* form components do not
 - Changes to what you see in the form update the value on state
 - ...But NOT the other way around

♦ FULLSTACK
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REACT.JS INPUT



Here is an uncontrolled component. We're not controlling the value of this input because it doesn't have a value prop.

And here's a controlled component. That's the only difference - that this input now has its value being controlled by a value somewhere on our state. And it doesn't need to be state on the component doing the rendering - as long as it's being controlled by some component in the hierarchy, it's controlled

CONTROLLED/UNCONTROLLED

Controlled components

- MUCH easier to programmatically handle your form's data
- A bit tedious to set up initially

• Uncontrolled components

- No need to use this.state to manage form data
- Harder to deal with

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WHERE DOES FORM STATE BELONG?

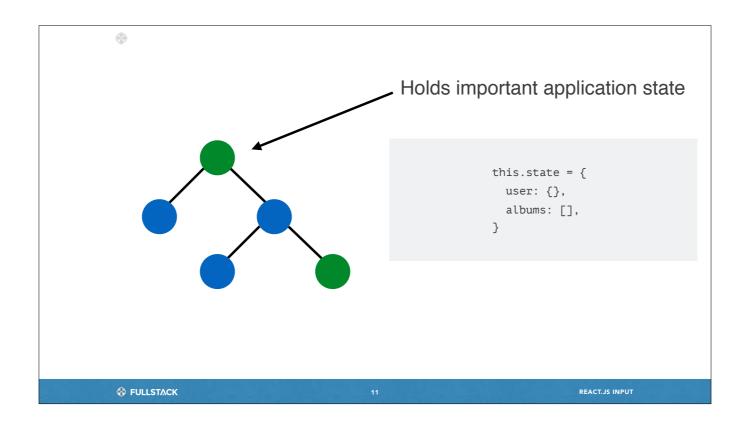
♦ FULLSTACK

APP STATE V LOCAL STATE

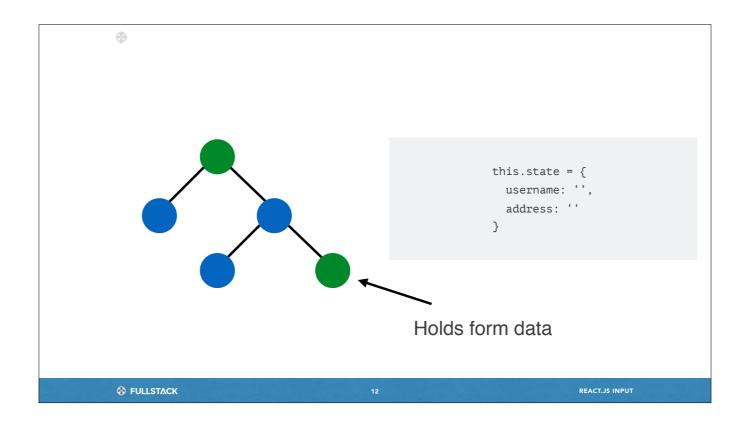
- Many components in your app might need access to who the user is - this is known as application state
 - Should be managed high up on your state tree
- Usually, only the form itself needs to know about the data inside it
 - Can be managed lower down

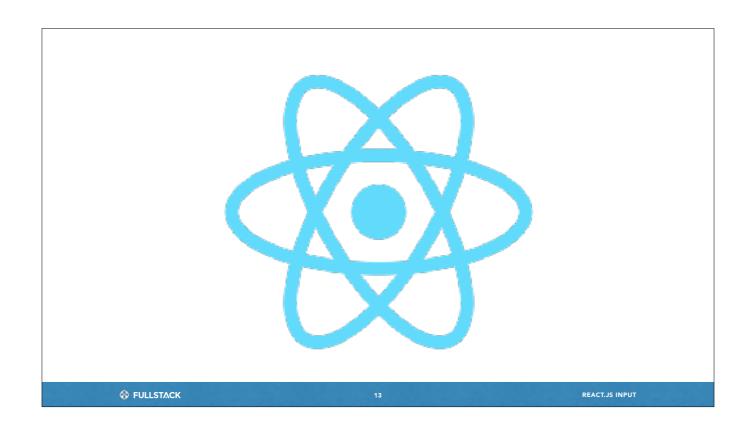
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REACT.JS INPUT

app(application) state vs local state.



Green - stateful component, blue - stateless component





Go workshop!