

WELCOME TO DAY 4 OF REACTJS BOOTCAMP

# AGENDA

- Forms Forms Forms
- Controlled vs Uncontrolled inputs
- State and Forms Components

# FORMS WITH REACT

- React provides us some nice to have here
- Props: Value, checked, selection are updated by user interactions automatically
- onChange event exists to track changes
- onSubmit for submission
- defaultValue for.. yeah

# CONTROLLED VS UNCONTROLLED INPUTS

- A form component with a value set is known as a

`controlled input`

- A form component without a value set is known as an

`uncontrolled input`

# CONTROLLED INPUT

- Always shows what's in its value property
- Thus direct user input has no effect
- `onChange` and state can be used to change its value
- React owns state of the component at any time

# EXAMPLES

```
getInitialState() {  
  return {  
    value: "Person"  
  }  
}  
handleChange(event) {  
  this.setState({  
    value: event.target.value  
  });  
}  
render() {  
  return (

<input type="text" value=  
<span>{'Hello ' + this.state.value}</span>  
    </div>);  
}


```

# UNCONTROLLED INPUT

- Input that does not have a value prop or value is set to null
- Value reflects user input
- can still use onChange if you want to listen to value updates

# EXAMPLES

```
//TODO: update this slide
handleChange(event) {
  this.setState({
    value: event.target.value
  });
}
render() {
  return (
    <div>
      <input type="text" onChange={this.handleChange} value={this.state.value} />
      <span>{'Hello ' + this.state.value}</span>
    </div>
  );
}
```



# STATE WITH FORMS

- React has two way binding but not typically used
- You can use state to trigger error messaging etc for on blur
- State can be used to defaultValue from api responses