Integrating React with APIs

Objectives

- **Connect a React App with an API**

- async/await
- fetch
- componentDidMount()

Fetch Data

- define an async method on your component

- fetch the data and await the response

- turn it into json and await the response

- call setState()

```
class App extends React.Component {

  state = {
    people: []
  }

  async componentDidMount() {
    const response = await fetch('http://localhost:8181/api/people')
    const json = await response.json()
    this.setState({people: json})
  }

  render() {
    return <div>...</div>
  }

}
```

Post

```
class App extends React.Component {

  async createItem(item) {
    const response = await fetch('http://localhost:8181/api/people', {
      method: 'POST',
      body: JSON.stringify(item),
      headers: {
        'Content-Type': 'application/json',
        'Accept': 'application/json',
      }
    })
    const person = await response.json()
    this.setState({people: [...this.state.people, person]})
  }

  render() {
    return <div>...</div>
  }

}
```

Objectives

- **Connect a React App with an API**