Lesson 6: Diving Deeper into React Native

Bringing in external data

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React Native Quickstart

Lesson Outline

1. Getting data from an online source

2. States

Getting data from an online source

We'll be using an online service to convert the New York Times'
RSS feed to a JSON object.

It is accessible through the link
`https://newsapi.org/v2/top-headlines?country=`
`us&apiKey=7c185ff7708e44dea7b0f22f482203d5`.

In JavaScript, we can use the `fetch()` API to do GET and POST operations.

An example of how we would use it in React Native as a `getData()` function:

```
const getData = async() => {
  const response = await fetch('https://newsapi.org/v2/top-headlines?country=us&apiKey=7c18!
  const parsedResponse = await response.json()
  const articles = parsedResponse.articles
  console.log(articles)
}
```

We can now use this function in `./src/pages/Home.jsx`.

Put it the function `getData()` above the `Home` const.

```
const getData = async() => {
  const response = await fetch('https://newsapi.org/v2/top-headlines?country=us&apiKey=7c18
  const parsedResponse = await response.json()
  const articles = parsedResponse.articles
  console.log(articles)
}

const Home = () => {
...
}
```

Making our Button interactive

Let's make our button call `getData` when it's pressed!

```
<Button onPress={getData} />
```

States

In React/Native, we can think of a state a variable that can change over time.

We can use a state inside of components such as `<View>`, which will then re-render when we change the state.

For example, using a `username` inside of a `<View>`.

```
<View>{username}</View>
```

Inside `.src/pages/Home.jsx`, we'll make a state. First, import `useState`.

```
import React, {useState} from 'react'
```

We'll now make a state inside ./src/pages/home.jsx. It
will go inside the Home const, and above the return().

```
const [newsItem, setNewsItem] = useState()
```

Now, rename the previous newsItem we created to
newsItemExample.

Now, let's change the `getData` function to use
`setNewsItem()`.

Make sure to move the function to be under the
`useEffect()` line of code.

```
const getData = async() => {
  const response = await fetch('https://newsapi.org/v2/top-headlines?country=us&apiKey=7c18
  const parsedResponse = await response.json()
  const articles = parsedResponse.articles
  setNewsItem(articles)
}
```

End of Lesson

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