**Platform API**

Recall that React's approach to app development is "learn once, write anywhere." The goal is to use the same principles, technologies, and in the case of React Native -- the same *code* -- to develop applications. However, there may be cases that make sense to use *distinct* code for each mobile platform. For example, what if we wanted unique styling between iOS and Android visual components?

React Native gives us a convenient way to organize and separate code through the Platform API. Let's check out an example!

<https://youtu.be/KtATaKs7qjQ>

<https://youtu.be/vBIDOsEkUK8>

<https://youtu.be/pW-iEnKf7Og>

<https://youtu.be/nm8mq8__U8Q>

## 💡 Dimensions API💡

React Native also comes with [**Dimensions**](https://facebook.github.io/react-native/docs/dimensions.html), which allows you to select window's width and height in the user's device!

First, make sure you pull the API from React Native:

**import** { Dimensions } **from** 'react-native';

Then, you can simply grab the window sizes with the Dimensions API's get method:

**const** { width, height } = Dimensions.get('window');

Feel free to use these measurements to, for example, plan how your <View>s will look.

<https://youtu.be/4edBztoh2rk>

<https://youtu.be/6qWrHcBJF3c>

To install our calendar, run yarn add udacifitness-calendar.

<https://youtu.be/t53XoUg4Dr4>

<https://youtu.be/z8IKGR5pmGM>

# Lesson 1 Review

# **Summary**

React Native uses **flexbox** to manage layout in mobile applications. However, there are some minor distinctions between the official flexbox specification (i.e., CSS on the web) and React Native's own implementation. Most of these distinctions are just differences in default settings.

Since differences also exist in how Android and iOS applications should look and feel, React Native also offers a Platform API, which we can leverage to style each platform independently.

In the next section, we'll take a look at some common "gotchas" and best practices when styling components.

### Further Research

* [**Understanding React Native flexbox layout**](https://medium.com/the-react-native-log/understanding-react-native-flexbox-layout-7a528200afd4)
* [**Platform Specific Code**](https://facebook.github.io/react-native/docs/platform-specific-code.html) from the React Native docs