

Overview

It is estimated over the last year that mobile internet usage surpassed desktop internet usage for the first time. Mobile applications are becoming increasingly important to our consumption of media, news, social interaction, and learning. In this course, students will learn how to create mobile apps using React Native, a popular platform-agnostic framework.

```
5.2.5: Setting a Background I...  
1 import React, { Component } from 'react';  
2 import { AppRegistry, View, StyleSheet, Text, ImageBackground } from 'react-native';  
3 import { Constants } from 'expo';  
4  
5 export default class App extends Component {  
6   render() {  
7     return (  
8       <View style={styles.container}>  
9         <ImageBackground  
10           style={styles.background}  
11           source={{ uri: 'https://c1.staticflickr.com/6/5253/54266...  
12         />  
13         <View style={styles.textContainer}>  
14           <Text style={styles.paragraph}>  
15             Hello, Universe!  
16           </Text>  
17         </View>  
18       </ImageBackground>  
19     );  
20   }  
21 }  
22  
23  
24 const styles = StyleSheet.create({  
25   container: {  
26     flex: 1,  
27   },  
28   background: {  
29     flex: 1,  
30     justifyContent: 'center',  
31     alignItems: 'center',  
32   },  
33   paragraph: {  
34     ...  
35   }  
36 });  
37  
38 AppRegistry.registerComponent('App', () => App);  
39 AppRegistry.runApplication('App', {});
```

```
6.2.5: Mapping through Nation...  
2 import { AppRegistry, Text, View, StyleSheet, Image, ScrollView } from 'react-native';  
3 import { Constants } from 'expo';  
4  
5 export default class App extends Component {  
6   state = {  
7     nationalParks: [  
8       {  
9         name: 'Grand Canyon',  
10        location: 'Arizona',  
11        image: 'https://upload.wikimedia.org/wikipedia/commons/a/aa/...  
12      },  
13      {  
14        name: 'Bryce Canyon',  
15        location: 'Utah',  
16        image: 'https://www.nps.gov/common/uploads/grid_builder/imr/...  
17      },  
18      {  
19        name: 'Yosemite',  
20        location: 'California',  
21        image: 'https://www.nps.gov/common/uploads/grid_builder/pwr/...  
22      }  
23    ]  
24  };  
25  
26  render() {  
27    return (  
28      <View style={styles.container}>  
29        <ScrollView>  
30          {this.state.nationalParks.map((park) => (  
31            <View style={styles.itemContainer}>  
32              <Text>  
33                {park.name}  
34                {park.location}  
35              </Text>  
36              <Image  
37                source={{ uri: park.image }}  
38              />  
39            </View>  
40          ))}  
41        </ScrollView>  
42      </View>  
43    );  
44  }  
45 }  
46  
47 AppRegistry.registerComponent('App', () => App);  
48 AppRegistry.runApplication('App', {});
```

Who is it for?

The Mobile Apps course is designed for high school students who have taken Introduction to Computer Science with JavaScript or who have experience with JavaScript. We offer semester and year-long versions of the course.

What do you learn?



Introduction to Mobile Apps



Introduction to React Native Components



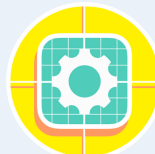
Stylesheets and Layouts



Using Functions to Bring Your App to Life



Introduction to Props and State



Bringing It All Together