# What is React Native?





- · React Native is a framework that allows you to build mobile applications using React (JavaScript/TypeScript).
- Cross-platform development means writing code once that can run on multiple platforms.
- · React Native is a cross-platform framework because you can write one codebase in JavaScript and deploy it to both IOS and Android.

# Back in the old days?











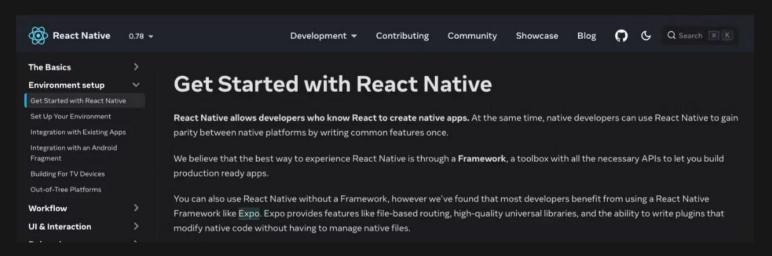


- Macbook required
- XCode as your IDE
- Had to learn Android SDK and its frameworks
- Android Studio/Eclipse as the IDE

# React Native by itself is not enough!

(screenshot from docs) 👇





#### Go-to Framework for React Native?



Expo!

### They're not the same thing!











# VS



#### 1- Component Structure

# 2- Styling

```
// React Web - Using CSS
const WebStyledComponent = () => {
  return (
    <div className="card">
      <img src="/profile.jpg" className="profile-image" />
      <div className="content">
        <h2>John Doe</h2>
        Web Developer
      </div>
    </div>
};
/* CSS file */
.card {
7 padding: 16px;
 border-radius: 8px;
 box-shadow: 0 2px 4px \square rgba(0,0,0,0.1);
.profile-image {
 width: 100px;
 height: 100px;
  border-radius: 50%;
```

```
// React Native - Using StyleSheet
import { StyleSheet } from 'react-native';
const NativeStyledComponent = () => {
      <Image
       source={require('./profile.jpg')}
       <Text style=(styles.name)>John Doe</Text>
       <Text style={styles.role}>Mobile Developer</Text>
      </View>
const styles = StyleSheet.create({
  card: {
    padding: 16,
    borderRadius: 8,
    shadowColor: '#000',
    shadowOffset: { width: 0, height: 2 },
    shadowOpacity: 0.1,
    shadowRadius: 4,
  profileImage: {
    width: 100,
    height: 100,
    borderRadius: 50,
```

## 3- Event handling

### 4- Lists

```
// React Native
const NativeButton = () => {
    const handlePress = (event) => {
        console.log('Button pressed:', event);
    };

return (
        <TouchableOpacity
        onPress={handlePress}
        onLongPress={() => console.log('Long press')}
        <Text>Press me</Text>
        <TouchableOpacity>
        );
};
```

#### 5- Forms

```
// React Web
const WebForm = () => {
  const [formData, setFormData] = useState({
   username: "",
    email: "",
  return (
    <form onSubmit={(e) => e.preventDefault()}>
      <input
       type="text"
        value={formData.username}
        onChange={(e) =>
          setFormData({
           ...formData,
           username: e.target.value,
        placeholder="Username"
      <button type="submit">Submit</button>
    </form>
```

```
// React Native
const NativeForm = () => {
  const [formData, setFormData] = useState({
    username: "",
   email: "",
  return (
    <View style={styles.form}>
     <TextInput
       style={styles.input}
        value=(formData.username)
        onChangeText={(text) =>
         setFormData({
           ...formData,
           username: text,
        placeholder="Username"
     <TouchableOpacity onPress={() => console.log("Submit")}>
       <Text>Submit</Text>
```