

Main Points/Key Points	Notes
	<p style="text-align: center;"><b>React Native Touches</b></p> <p><b>1. What is Touches?</b></p> <ol style="list-style-type: none"> <li>Touches are combination of gestures such as tapping a button, scrolling a list, zooming a photo, etc. React Native provides components to handle most of the gestures for users to interact.</li> <li>A button is the most basic component for gesture. It supports minimal level of customization.</li> <li>Commonly used props are: <ul style="list-style-type: none"> <li><code>onPress</code> – A function to call a handler when it is pressed.</li> <li><code>title</code> – A text to be displayed inside a button.</li> </ul> </li> <li>To use Button component, you need to import Button component:</li> </ol> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>Import Button Component</b></p> <pre>import React, {Component} from 'react'; import {Button} from 'react-native';</pre> </div> <ol style="list-style-type: none"> <li>Complete list of props can be found at <a href="https://facebook.github.io/react-native/docs/button.html">https://facebook.github.io/react-native/docs/button.html</a></li> </ol> <p><b>2. Touchables.</b></p> <ol style="list-style-type: none"> <li>If a button component does not render or blend well in your app, you can create a customize button by using Touchable component.</li> </ol>
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	<p style="text-align: center;"><b>React Native Touches</b></p> <p>b. Touchable components have the ability to capture gestures. Each of the components contains different feedback.</p> <p>c. There are four (4) touchable components:</p> <ul style="list-style-type: none"> <li>• TouchableHighlight – <i>It is similar to &lt;a href=""&gt;, which the visited background will be darkened.</i></li> <li>• TouchableNativeFeedback – <i>It displays an ink surface reaction ripples when user touch the button.</i></li> <li>• TouchableOpacity – <i>It reduces the opacity of the button for the background to be seen.</i></li> <li>• TouchableWithoutFeedback – <i>It contains no feedback when user press the button.</i></li> <li>• onLongPress() – <i>It is a prop to detect whether a user presses and holds a view for a set amount of time.</i></li> </ul> <p>d. Refer to example (Touchable) for implementation.</p> <p>e. Details Touchable component references:</p> <ul style="list-style-type: none"> <li>• TouchableHighlight <ul style="list-style-type: none"> <li>▪ <a href="https://facebook.github.io/react-native/docs/touchablehighlight.html">https://facebook.github.io/react-native/docs/touchablehighlight.html</a></li> </ul> </li> <li>• TouchableNativeFeedback <ul style="list-style-type: none"> <li>▪ <a href="https://facebook.github.io/react-native/docs/touchablenativefeedback.html">https://facebook.github.io/react-native/docs/touchablenativefeedback.html</a></li> </ul> </li> </ul>
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## Example (Touchable)

```
import React, { Component } from 'react';
import { Alert, AppRegistry, Platform, StyleSheet, Text, TouchableHighlight,
TouchableOpacity, TouchableNativeFeedback, TouchableWithoutFeedback, View } from
'react-native';

export default class Touchables extends Component {
  _onPressButton() {
    Alert.alert('You tapped the button!')
  }

  _onLongPressButton() {
    Alert.alert('You long-pressed the button!')
  }

  render() {
    return (
      <View style={styles.container}>
        <TouchableHighlight onPress={this._onPressButton} underlayColor="white">
          <View style={styles.button}>
            <Text style={styles.buttonText}>TouchableHighlight</Text>
          </View>
        </TouchableHighlight>
        <TouchableOpacity onPress={this._onPressButton}>
          <View style={styles.button}>
            <Text style={styles.buttonText}>TouchableOpacity</Text>
          </View>
        </TouchableOpacity>
        <TouchableNativeFeedback
          onPress={this._onPressButton}
          background={Platform.OS === 'android' ?
TouchableNativeFeedback.SelectableBackground() : ''}>
          <View style={styles.button}>
            <Text style={styles.buttonText}>TouchableNativeFeedback</Text>
          </View>
        </TouchableNativeFeedback>
        <TouchableWithoutFeedback
          onPress={this._onPressButton}
          >
          <View style={styles.button}>
            <Text style={styles.buttonText}>TouchableWithoutFeedback</Text>
          </View>
        </TouchableWithoutFeedback>
        <TouchableHighlight onPress={this._onPressButton}
onLongPress={this._onLongPressButton} underlayColor="white">
          <View style={styles.button}>
            <Text style={styles.buttonText}>Touchable with Long Press</Text>
          </View>
        </TouchableHighlight>
      </View>
    );
  }
}

const styles = StyleSheet.create({
  container: {
    padding: 60,
    align: 'center'
  },
  button: {
    margin: 30,
    width: 260,
    align: 'center',
    background: '#2196F3'
  },
  buttonText: {
    padding: 20,
    color: 'white'
  }
})
```