

Main Points/Key Points	Notes
	<p style="text-align: center;">React Native Touches</p> <p>1. What is Touches?</p> <ol style="list-style-type: none"> i. 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. ii. A button is the most basic component for gesture. It supports minimal level of customization. iii. Commonly used props are: <ul style="list-style-type: none"> • <code>onPress</code> – A function to call a handler when it is pressed. • <code>title</code> – A text to be displayed inside a button. • <code>import { Button } from 'react-native';</code> iv. Complete list of props can be found at https://facebook.github.io/react-native/docs/button.html <p>2. Touchables.</p> <ol style="list-style-type: none"> i. If a button component does not render or blend well in your app, you can create a customize button by using Touchable component. ii. Touchable components have the ability to capture gestures. Each of the components contains different feedback. iii. There are four (4) touchable components: <ul style="list-style-type: none"> • <code>TouchableHighlight</code> – It is similar to <code></code>, which the visited background will be darkened.
	Summary

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	<p style="text-align: center;">React Native Touches</p> <ul style="list-style-type: none"> • TouchableNativeFeedback – It displays an ink surface reaction ripples when user touch the button. • TouchableOpacity – It reduces the opacity of the button for the background to be seen. • TouchableWithoutFeedback – It contains no feedback when user press the button. • onLongPress() – It is a prop to detect whether a user presses and holds a view for a set amount of time. <p>iv. Refer to example (Touchable)</p> <p>v. Details Touchable component references:</p> <ul style="list-style-type: none"> • TouchableHighlight <ul style="list-style-type: none"> ▪ https://facebook.github.io/react-native/docs/touchablehighlight.html • TouchableNativeFeedback <ul style="list-style-type: none"> ▪ https://facebook.github.io/react-native/docs/touchablenativefeedback.html • TouchableOpacity <ul style="list-style-type: none"> ▪ https://facebook.github.io/react-native/docs/touchableopacity.html • TouchableWithoutFeedback <ul style="list-style-type: none"> ▪ https://facebook.github.io/react-native/docs/touchablewithoutfeedback.html
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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: {
    paddingTop: 60,
    alignItems: 'center'
  },
  button: {
    marginBottom: 30,
    width: 260,
    alignItems: 'center',
    backgroundColor: '#2196F3'
  },
  buttonText: {
    padding: 20,
    color: 'white'
  }
});

// skip this line if using Create React Native App
AppRegistry.registerComponent('AwesomeProject', () => Touchables);
```