

#### **Buttons and Touchables**

#### tl;dr

- A <Button> is easy to understand; you press it and run a method in response.
- But a button only contains text with limited ability to style. If you want more, use Touchables.
- · TouchableWithoutFeedback Generally avoid
- TouchableNativeFeedback Android only
- TouchableOpacity Becomes transparent
- TouchableHighlight Changes color

# Categories of RN components

Category	Some components
Layout	Modal, View, SafeAreaView, ScrollView, RefreshControl, KeyboardAvoidingView, StatusBar, WebView
Single-value	Text, TextInput, Slider, Switch, Image
List	Picker, FlatList, SectionList
Touchable	Button, TouchableHighlight, TouchableNativeFeedback, TouchableOpacity, TouchableWithoutFeedback
Others	ActivityIndicator, Platform-specific components

Buttons	
	•

Some Button Events		
Name	Notes	
onPress	A tap or click	
onPressIn	Before the press as the user is touching. Like mouseDown	
onPressOut	After the press. Like mouseUp	
onLongPress	Usually takes the place of a right-click	
onLayout	Fires when the scene is being laid out	

#### A note about events

- In React, when an event points to a method that doesn't exist, it throws.
- In React Native, it sometimes just silently fails.No notification and no traceability. Tough to debug.

title The text in the button disabled A bool. When true, prevent all interactions. You can't press it. selectable If false, user can't select text, like for copying for example selectionColor What the text looks like while being selected adjustFontSizeToFit A bool. If true, shrink the fontSize until all the text fits in the container. (iOS only)
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container. (iOS only)
What if I want my button
to have a picture in it?
A button can only hold a title.
It can't hold an image or structure or anything.     You want to press it? Wrap it in a touchable.
Anything can be wrapped in a touchable and begin to behave
like a button
This is why we need touchables
,

Touchables

# Four types of touchables

- 1. TouchableWithoutFeedback
- 2. TouchableNativeFeedback
- 3. TouchableHighlight
- 4. TouchableOpacity

### TouchableWithoutFeedback

• Gives no feedback whatsoever

#### TouchableWithoutFeedback

Do not use unless you have a very good reason. All elements that respond to press should have a visual feedback when touched.

From the React Native documentation

### TouchableNativeFeedback

- "Ink surface ripples on touch"
- · Android only
- on iOS

TouchableNativeFeedback is not supported on this platform!

TouchableHighlight	
Background darkens when tapped	
Can only have one child.	
TouchableOpacity	
User can see stuff behind the button while it's being touched	
Osci can see stan bening the batton while it's being touched	
	1
<touchableopacity< td=""><td></td></touchableopacity<>	
onPress={handlePress}	
activeOpacity={0.75}>	
<text>Press me!</text>	

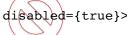
There are
some
surprises

- · Two don't honor styles (WithoutFeedback, NativeFeedback)
- WithoutFeedback and Highlight can only hold one inner
- TouchableHighlight doesn't highlight without an onPress event (Even if it doesn't do anything)
- TouchableNativeFeedback breaks on iOS

Disabling a touchable

It's not as simple as setting a property

<TouchableOpacity disabled={true}>



# To manually 'disable' a touchable

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