

Layout Components

tl;dr

- Containers are the main thing we use to control the layout of the screen.
- Most were designed to be nested inside one another, each adding their own capabilities
- · View is the most fundamental container
- ScrollView allows us to scroll through content that won't fit on a screen
- · Modal is a container that can't be ignored
- StatusBar only lets us change the appearance of the status bar

Categories of RN components

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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		

We mentioned containers before but now it's time to dig in to • View • SafeAreaView • ScrollView • KeyboardAvoidingView • Modal • StatusBar	
View	
View> The most fundamental, most generic of all components. Like a <div> in html, this is a container.</div> 	

The most used control of them all?

- View is the fundamental unit. Like a <div> for native devices
- Allows layouts by supporting flexbox
- Can have as many children as you like, including more views.

SafeAreaView

SafeAreaView doesn't render in non-viewable areas

- Works cross-platform but doesn't do anything on Android
- Looks great on iPhone, though!



It wraps your regular view

<ScrollView>

- Without any props, a <ScrollView> makes its contents scrollable immediately.
- Great for when you have too much content in a single view and you want the user to be able to scroll the page to see it all.

<ScrollView>

<TonsMoreContentHere />

</scrollView>



Makes other views scrollable

- Can set up scrolling horizontally as well as vertically
- Can also set up paging by swiping left/right.
- Nests inside of other Views to make their content scrollable within them.
- All elements inside a ScrollView are rendered even if they're off screen

•	The ScrollView has to have a single item. Set minimumZoomScale and maximimZoomScale to enable. it.
To pinch- to-zoom	iOS only. :-(

KeyboardAvoidingView

- When the user focuses on a <TextInput>, the keyboard slides up.
- This sometimes covers the input they're trying to type into.

KeyboardAvoidingView will move the rest of the view out from behind the keyboard



Wrap the rest of the view in a <KeyboardAvoidingView>

Some props

- enabled boolean. Assumed to be true.
- behavior height | position | padding
 - $\circ\,$ height Force the height of the rest of the view to be the remaining height of the screen
 - $\,\circ\,$ position Move the whole thing up
 - padding Squeeze everything on the page as much as possible by decreasing the padding around elements



From the RN docs: "Note: Android and iOS both interact with behavior differently. Android may behave better when given no behavior prop at all, whereas iOS is the opposite.

<modal></modal>	
<modal></modal>	
Modal props • visible - a bool. Only a true boolean false will hide it. Falsey values cause the Modal to show even undefined. • onShow • onDismiss • onOrientationChange	

StatusBar

Your app is not in control of the status bar
 The status bar doesn't honor styles like everything else because it is controlled by the OS and not the app
 All this control can do is change a few styles on the bar

StatusBar

StatusBar props

- barStyle An enum 'dark-content', 'light-content', 'default'
- backgroundColor Yep, just what the name says.
- translucent bool. When true, the app draws behind it. When false, the app is placed below the statusBar.

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