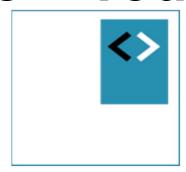


UROUD NERDS

React Native Module – Touchables



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Touchables

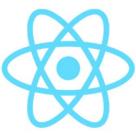
Reacting to touches or presses on your UI-elements

Basic <Touchable> - reacting to click events

- Use <TouchableOpacity> for default presses/touches
- Lots of variants available:

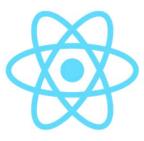
```
/ "Make it touchable"/ }
    reti. II (
                You, Moments ago Uncommitted changes
        <Touc
       ♠ Touchable
       TouchableHighlight
       TouchableHighlightComponent
                                           (react-native)
       TouchableOpacity
       TouchableNativeFeedback
        TouchableNativeFeedbaccomponent
                                            (react-nativ...
       Touchail_?__i_vcomponent
                                           (react-native)
       TouchableWithoutFeedback
// Sep  TouchableWithoutFeedbackComponent
                                             (react-nati...
      TouchHistoryMath
const
```

For instance: using TouchableOpacity

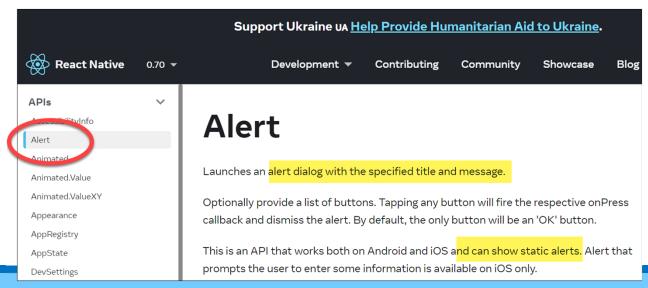


```
const renderItem = (person) => {
          <TouchableOpacity onPress={() => showPerson(person)}>
                Toxt stylo-/stylos nonconly
                    {person.id} - {person.first name} {person.last name}
               </Text>
          </TouchableOpacity>
                                                                   3:50 🔷 🛈 🗐
                                                                                                          3:51 \land 🛈 🖺
const showPerson = (person) =>{
                                                                   Your person: Nara
                                                                                                          Your person: Nara
                                                                                                0
     alert('You selected: ' + person.first name)
                                                                   1 - Roxine Tomkinson
                                                                                                           1 - Roxine Tomkinson
}
                                                                   2 - Rey Aimer
                                                                                                           2 - Rey Aimer
                                                                                                              Alert
                                                                                                              You selected: Lynea
                                                                   4 - Rodolph Coling
                                                                   5 - Veronike Lunt
                                                                   6 - Larina Blakesley
                                                                                                           6 - Larina Blakesley
                                                                   7 - Yolanda Borless
                                                                                                           7 - Yolanda Borless
                                                                   8 - Wilone Ivoshin
                                                                                                           8 - Wilone Ivoshin
```

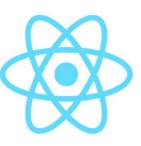
On alerts



- In the previous code, we used the default alert()
 function from the device
- React Native also has an <Alert /> component
 - It has more configuration options
 - In serious applications this is preferred over default alert().

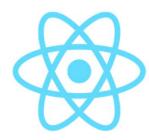


React principle – Lifting state up

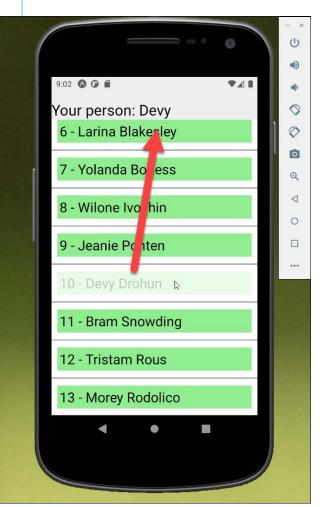


- It is best practice just as in React Web to handle state in a parent component
 - Pass a function down to child, handle state in parent

And in PersonFlatList component:



```
const PersonFlatList = ({select}) => {
    const showPerson = (person) =>{
        // HandLe pressed person in the parent component
        select(person)
    }
...
}
```

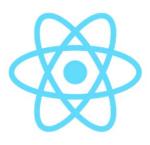




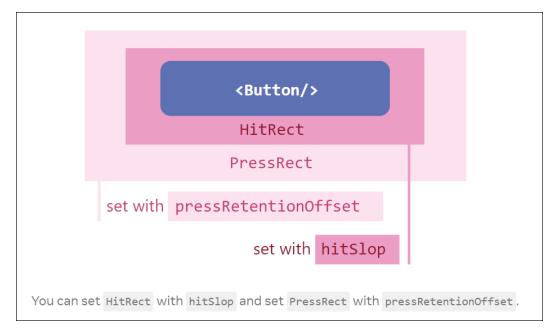
Pressable

Old(er) applications will likely use Touchable, but Pressable is the way to go for new applications

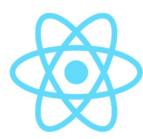
Touchable works fine, however...

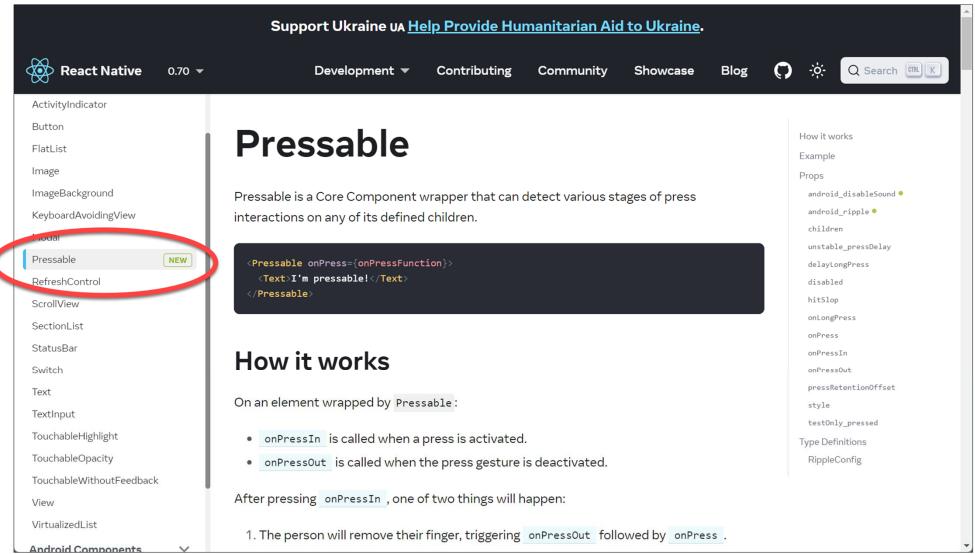


- Touchable and Pressable are interchangable
- However, Pressable has a more extensive API
 - onPressIn, onPressOut, onLongPress
 - HitRect, PressRect (for inprecise presses)
 - android_disableSound
 - android_ripple
 - And more...

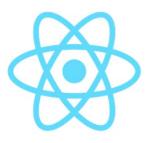


Refer to the official docs



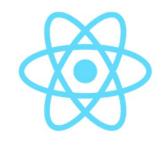


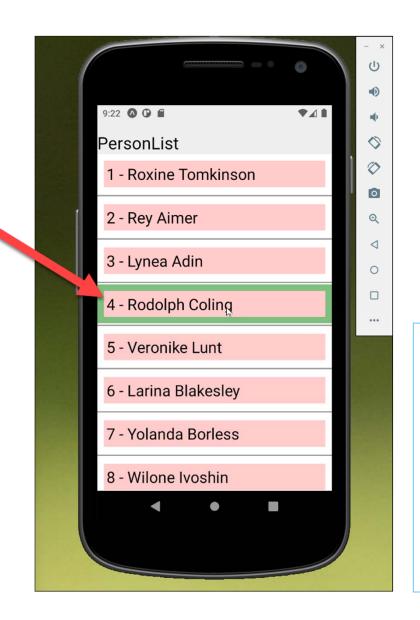
Example



- We can just switch TouchableOpacity with Pressable and it works
- We added android_ripple here also

Result





You can handle state and props in a parent component as before. This hasn't changed.

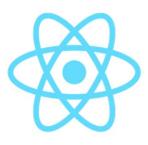
Verdict:

Older applications might use

Touchable. In new applications

Pressable is preferred.

Workshop



- Use your own list of (dummy) data
- Make sure the user can click/press/touch items in the list.
- Show an alert window with the clicked element
- Optional: pass the clicked element back to the parent component and show it in the U | will practice my mode will practice my mode will practice my mode component component
- Example: ../60-touch-press

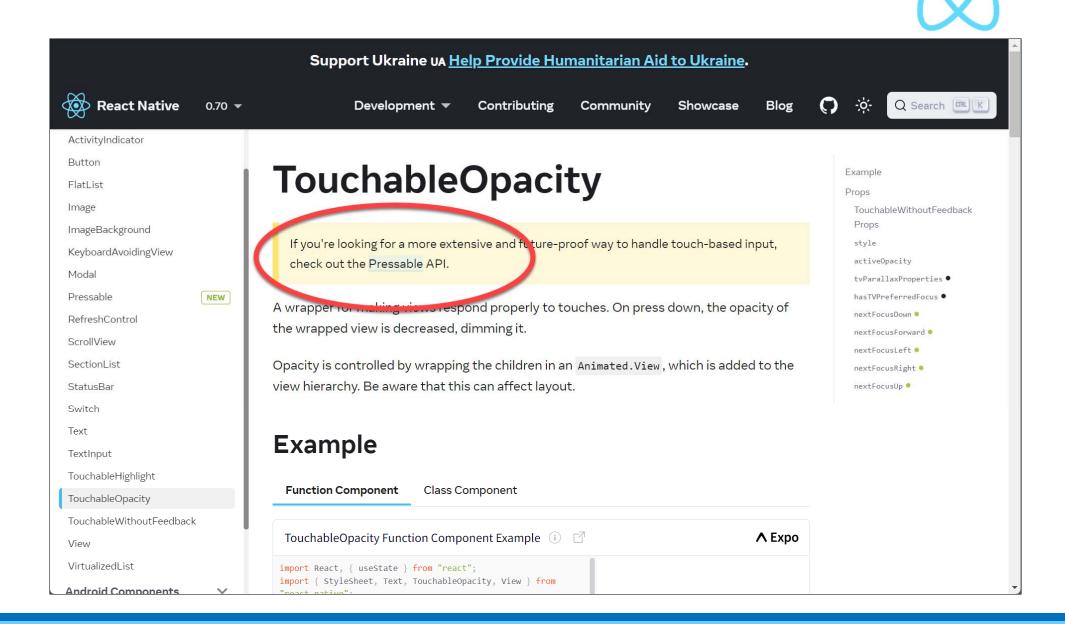
```
I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day I will practice my modeling technique 2 hours every day
```



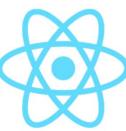
More info

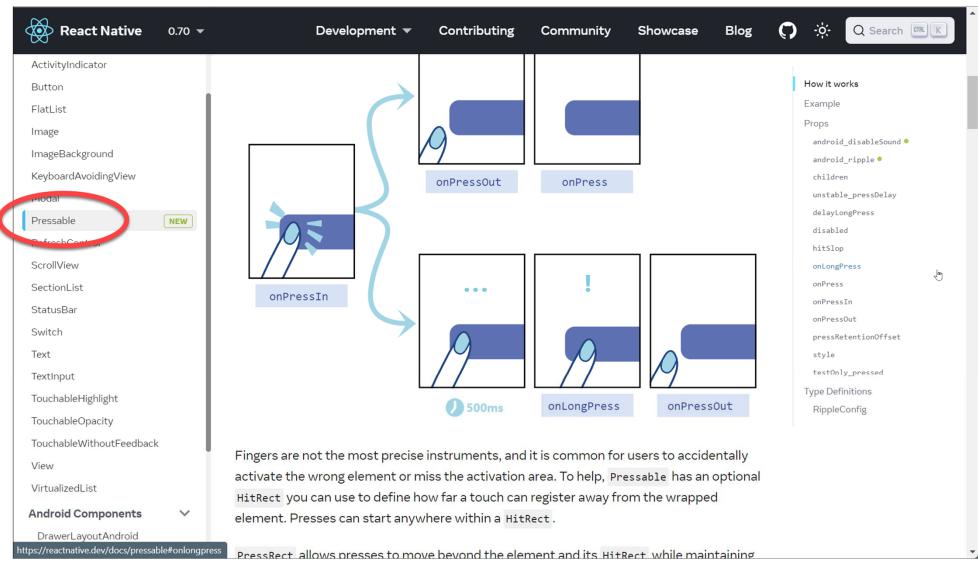
More info on the topics in this module

https://reactnative.dev/docs/touchableopacity



https://reactnative.dev/docs/pressable





https://mahyarmohammadi.medium.com/reactnative-pressable-vs-touchable-5fec6b332f15

