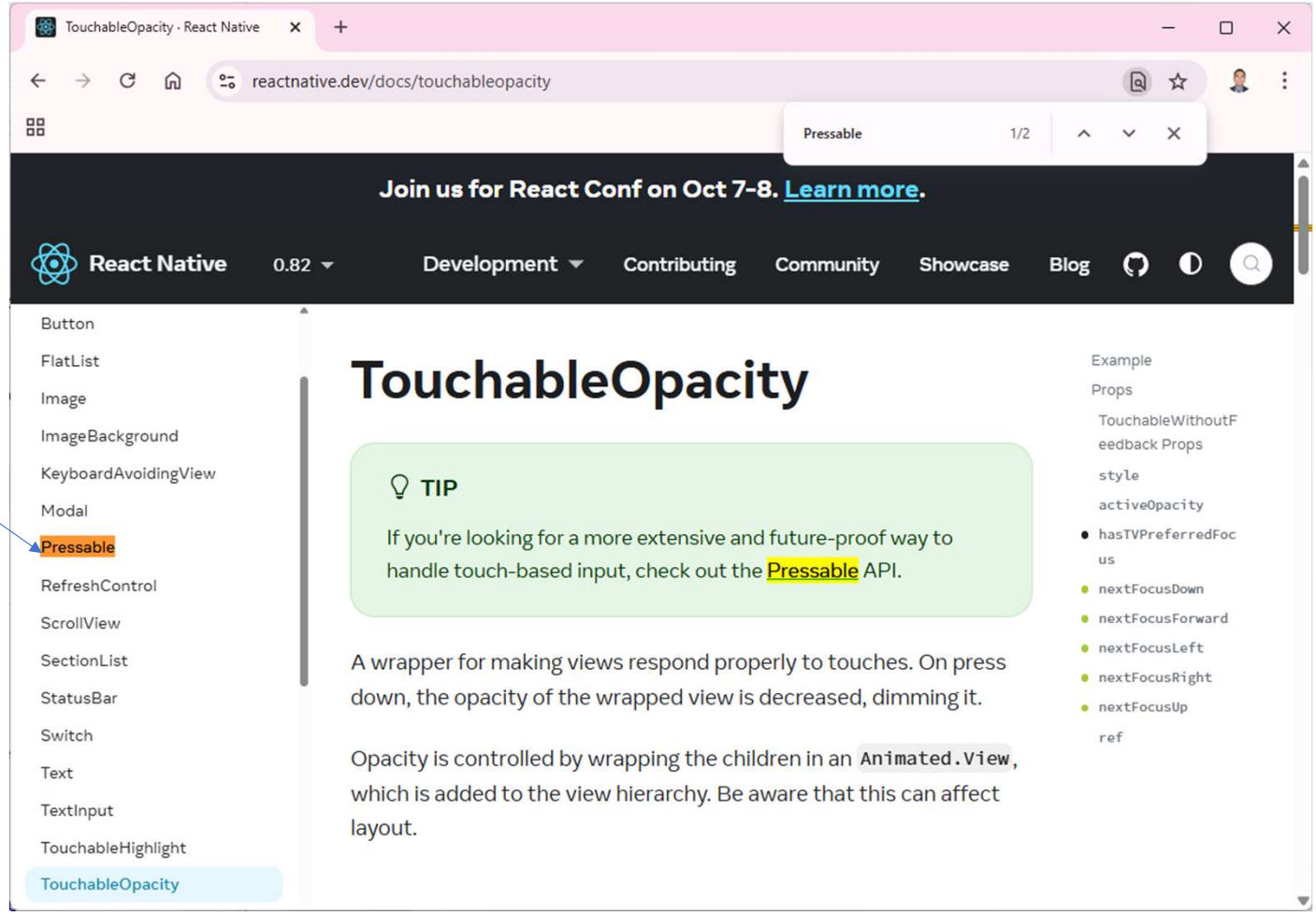
Reference:
https://reactnative.dev/docs/touchableopacity

**Pressable**



# onPress in <Button>, <TouchableOpacity>, <Pressable>

- It detects and responds to touch interactions on any of its child components.
- It's a flexible, low-level wrapper that provides callbacks for various press states (**press start**, **press end**, **long press**, etc.) and allows you to customize the visual feedback during user interactions.

It is as the modern, more versatile **replacement for** TouchableOpacity, TouchableHighlight, and other older touchable components such Button.

```
return (
  <View style={styles.container}>
    <Pressable
      onPress={handlePress}
      style={({ pressed }) => [
        styles.button,
        pressed && styles.buttonPressed
      ]}
    >
      {({ pressed }) => (
        <Text style={styles.buttonText}>
          {pressed ? 'Pressing...' : 'Press Me'}
        </Text>
      )}
    </Pressable>

    <Text style={styles.counter}>Press Count: {count}</Text>
  </View>
);
```

- **onPress callback** - Executes when the button is pressed
- **Dynamic styling** - The style prop receives a pressed boolean to change appearance during press
- **Dynamic children** - The children function receives pressed state to update text during interaction


- **State management** - Uses useState to track press count
- **Visual feedback** - Button changes color and opacity when pressed

```jsx
import React, { useState } from 'react';
import { View, Text, Pressable, StyleSheet, Alert } from 'react-native';

const App = () => {
  const [count, setCount] = useState(0);

  const handlePress = () => {
    setCount(count + 1);
    Alert.alert('Button Pressed', `You've pressed the button ${count + 1} times`);
  };

        return();

};


export default App;
```

```jsx
const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#f5f5f5',
  },
  button: {
    backgroundColor: '#007AFF',
    paddingHorizontal: 30,
    paddingVertical: 15,
    borderRadius: 10,
    elevation: 3,
    shadowColor: '#000',
    shadowOffset: { width: 0, height: 2 },
    shadowOpacity: 0.25,
    shadowRadius: 3.84,
  },
  buttonPressed: {
    backgroundColor: '#0056b3',
    opacity: 0.8,
  },
  buttonText: {
    color: 'white',
    fontSize: 18,
    fontWeight: 'bold',
  },
  counter: {
    marginTop: 20,
    fontSize: 16,
    color: '#333',
  },
});
```