

## WHO AM I?

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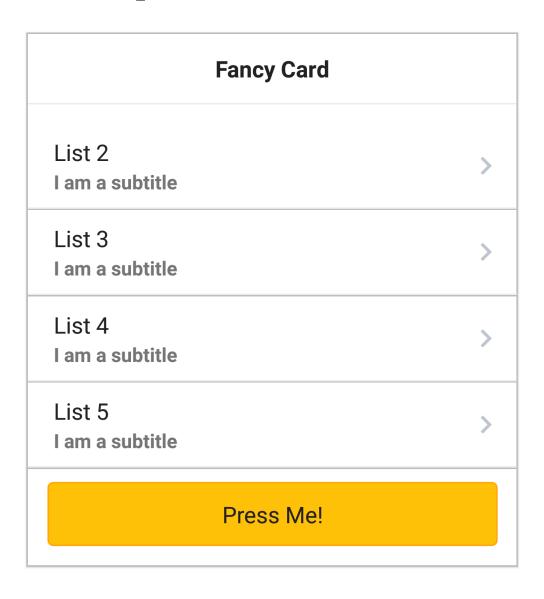
## **Color Palette**

Dark primary color
Light primary color
Text / Icons
Accent color
Primary text
Secondary text
Divider color

#### **USING REACT NATIVE ELEMENTS**

```
<Button
  color="#212121"
  backgroundColor="#FFC107"
  title="Press Me!"
  borderRadius={4}
  buttonStyle={{ borderColor: '#FFA000', borderWidth: 1}}
/>
```

## **Component Preview**



#### **IMPLEMENTATION**

```
<Card
 title="Fancy Card"
 containerStyle={{ paddingHorizontal: 0, borderColor: "#BdBDBD" }}
 dividerStyle={{ borderColor: "#BDBDBD" }}
 titleStyle={{ color: "#212121" }}
 <ListItem
   title="List 2"
   subtitle="I am a subtitle"
   titleStyle={{ color: '#212121'}}
   subtitleStyle={{color: '#757575'}}
 />
 <Divider style={{ backgroundColor: '#BdBDBD'}}/>
 <ListItem
   title="List 3"
   subtitle="I am a subtitle"
   titleStyle={{ color: '#212121'}}
   subtitleStyle={{color: '#757575'}}
 <Divider style={{ backgroundColor: '#BdBDBD'}}/>
 <Button
   color="#212121"
   backgroundColor="#FFC107"
   title="Press Me!"
   borderRadius={4}
   buttonStyle={{ borderWidth: 1, marginTop: 10}}
 />
</Card>
```



## With Theming Support

```
const theme = {
  dividerColor: '#BDBDBD',
  primaryTextColor: '#212121',
  secondaryTextColor: '#757575',
  primaryColor: '#FFC107',
};
<ThemeProvider theme={theme}>
  <Card
    title="Fancy Card"
    containerStyle={{ paddingHorizontal: 0 }}
    <ListItem
      title="List 2"
      subtitle="I am a subtitle"
    <Divider />
    <ListItem
      title="List 3"
      subtitle="I am a subtitle"
    />
    <Divider />
    <Button
      title="Press Me!"
      borderRadius={4}
      buttonStyle={{ borderWidth: 1, marginTop: 10}}
    />
  </Card>
</ThemeProvider>
```

#### How does it work?

- High Order Components
- Context

#### RENDERING THE CHILDREN

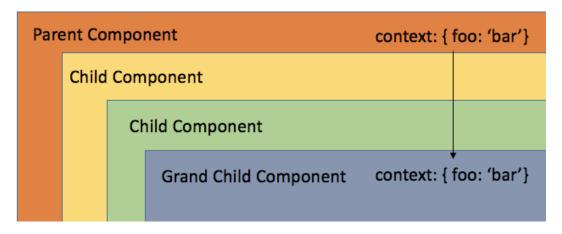
```
export default class ThemeProvider extends Component {
 render() {
   const { children } = this.props;
   const count = React.Children.count(children);
   if (count === 1) {
     return React.Children.only(children);
   } else {
     return (
       <View>
         {children}
       </View>
   return null;
```

## **What is Context**

To understand context, first lets take a look at how props are passed to children

Parent Component			props: { foo: 'bar'}
	Child Component		props: { foo: 'bar'}
		Grand Child Component	props: { foo: 'bar'}

Unlike props which need to be passed down by each child. Child components can actually require the context as they need



### **Using Context**

```
class ParentComponent extends Component {
 getChildContext() {
   return {
     theme: { color: 'blue' }
 static childContextTypes = {
   theme: PropTypes.object
export default class GrandChildComponent extends Component {
 static contextTypes = {
   theme: PropTypes.object
 // this.context.theme
```

#### **Context inside the ThemeProvider**

```
export default class ThemeProvider extends Component {
 getChildContext() {
   if (this.props.hasOwnProperty('theme')) {
      const newTheme = {...defaultTheme, ...this.props.theme};
     return {
       theme: newTheme,
     };
   } else {
     return {
       theme: defaultTheme,
     };
 static childContextTypes = {
   theme: React.PropTypes.object
 render() {
```

# Comparing different paradigms CSS Way in React Native

```
const theme = {
  'library.ui.View': {
    '.h-center': {
      alignItems: 'center',
    '.v-center': {
      justifyContent: 'center',
    '.flexible': {
      flex: 1,
    },
    flexDirection: 'column',
 },
};
class HelloWorld extends Component {
  render() {
    return (
      <StyleProvider style={theme}>
        <View styleName="flexible vertical v-center h-center">
        </View>
      </StyleProvider>
   );
```

### Theming Each component

```
const buttonTheme = themeManager.getStyle('Button')

const newButtonTheme = {
    ...buttonTheme,
    BUTTON_FONT_COLOR: '#ffff',
    BUTTON_PRIMARY_COLOR: '#2f8cff',
}

themeManager.setSource('Button', () => (newButtonTheme))
```

#### React Native Elements Way

```
// Theming whole application
<ThemeProvider theme={theme}>
  <App />
</ThemeProvider>
// Theming one component
<ThemeProvider theme={theme}>
  <Button />
</ThemeProvider>
// Theming multiple components separately
<ThemeProvider theme={lightTheme}>
  <Button />
  <Tile />
</ThemeProvider>
<ThemeProvider theme={darkTheme}>
  <Card />
  <SocialButton />
</ThemeProvider>
```

#### Resources

- github.com/binoy14/react-nativetheming
- github.com/react-native-training/react-native-elements
- Slides: binoy14.github.io/RNE-themingslides