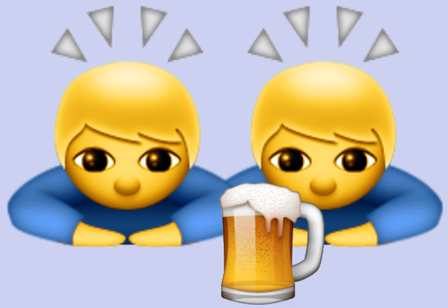
React Native

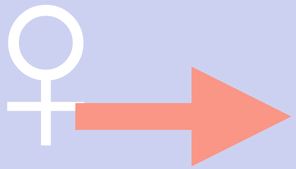
Basic intro and Stuff


Hollr

The Team

@ Daniel Falus
@ Balazs Bajorics
@ Maja Szakadat
@ Andras Balogh
@ Peter 'rozmy' Polgar



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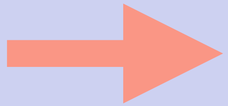
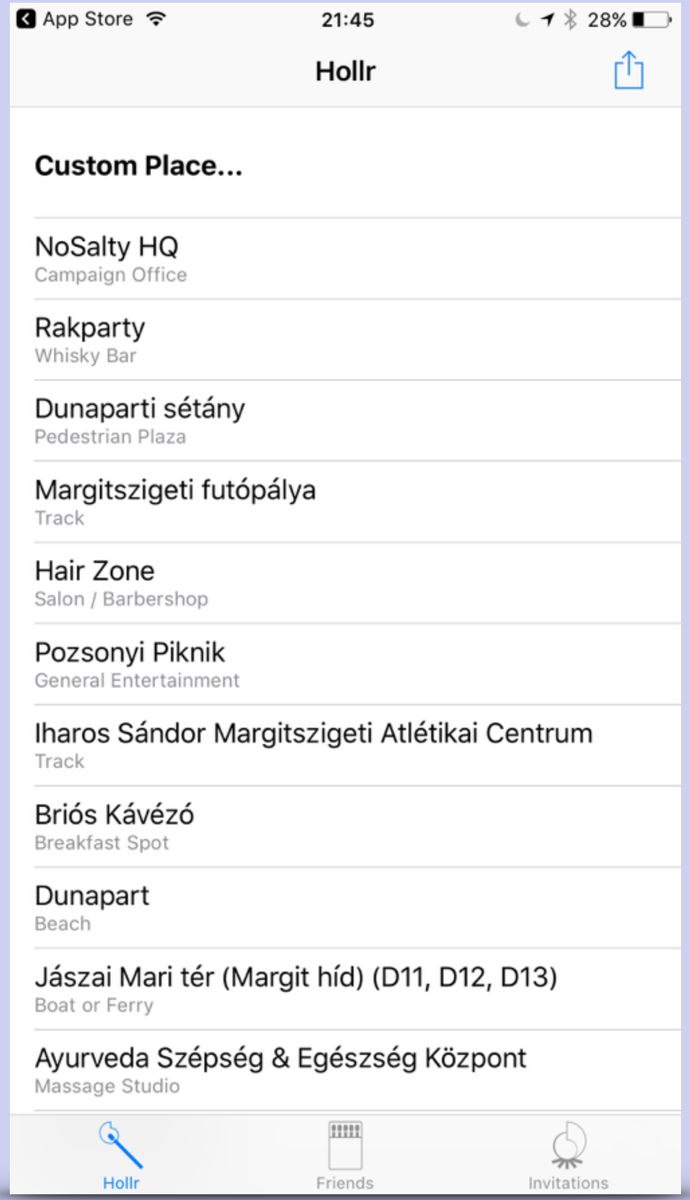
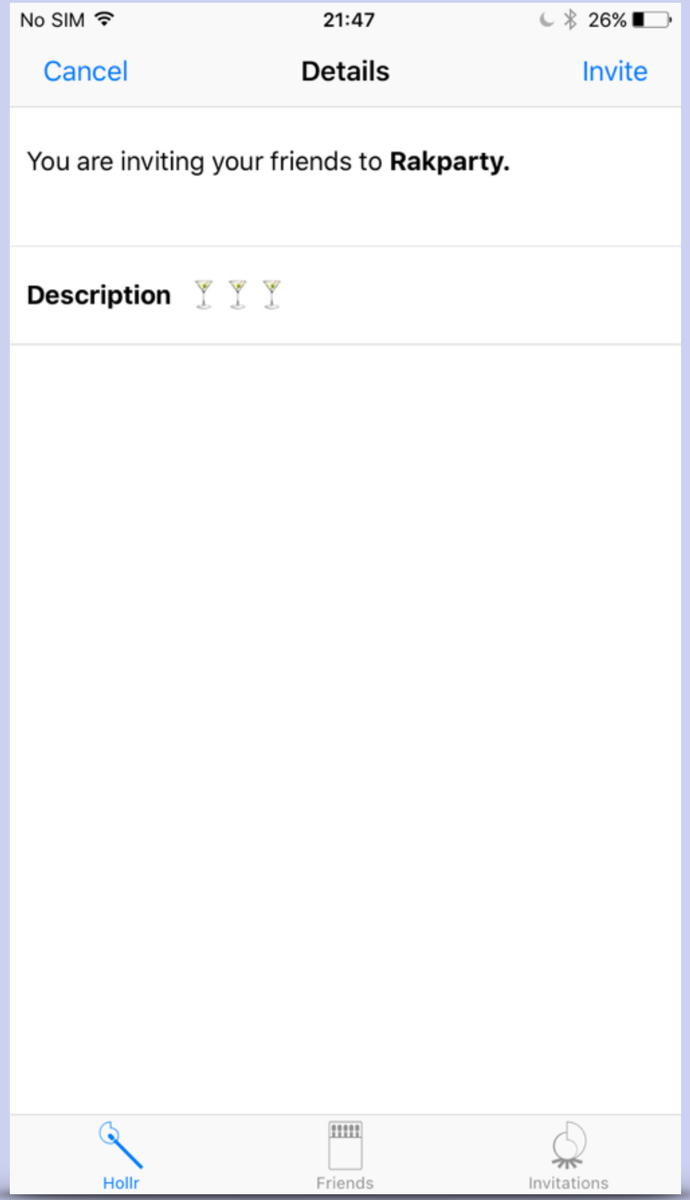
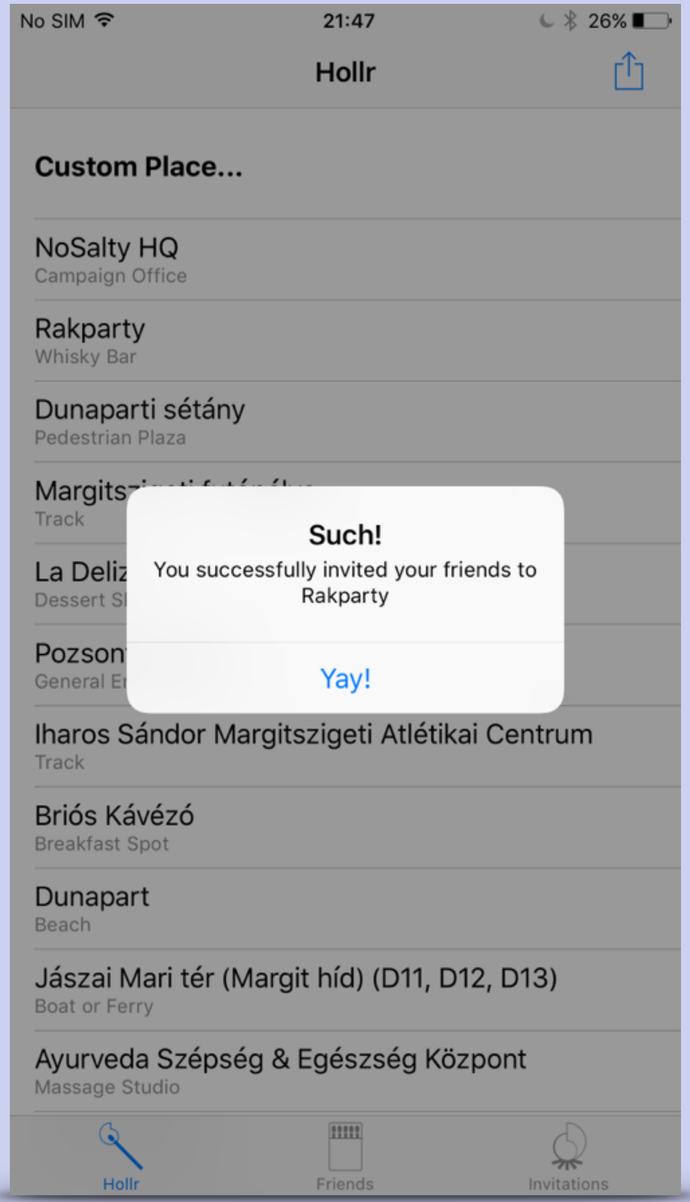



App Store
21:45
28%
Hollr
Custom Place...
NoSalty HQ
Campaign Office
Rakparty
Whisky Bar
Dunaparti sétány
Pedestrian Plaza
Margitszigeti futópálya
Track
Hair Zone
Salon / Barbershop
Pozsonyi Piknik
General Entertainment
Iharos Sándor Margitszigeti Atlétikai Centrum
Track
Briós Kávézó
Breakfast Spot
Dunapart
Beach
Jászai Mari tér (Margit híd) (D11, D12, D13)
Boat or Ferry
Ayurveda Szépség & Egészség Központ
Massage Studio
Hollr
Friends
Invitations


Hollr


No SIM
21:47
26%
Cancel
Details
Invite
You are inviting your friends to **Rakparty.**
Description
Hollr
Friends
Invitations


Hollr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21:47
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Hollr
Custom Place...
NoSalty HQ
Campaign Office
Rakparty
Whisky Bar
Dunaparti sétány
Pedestrian Plaza
Track
Such!
You successfully invited your friends to Rakparty
Yay!
Track
Briós Kávézó
Breakfast Spot
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Jászai Mari tér (Margit híd) (D11, D12, D13)
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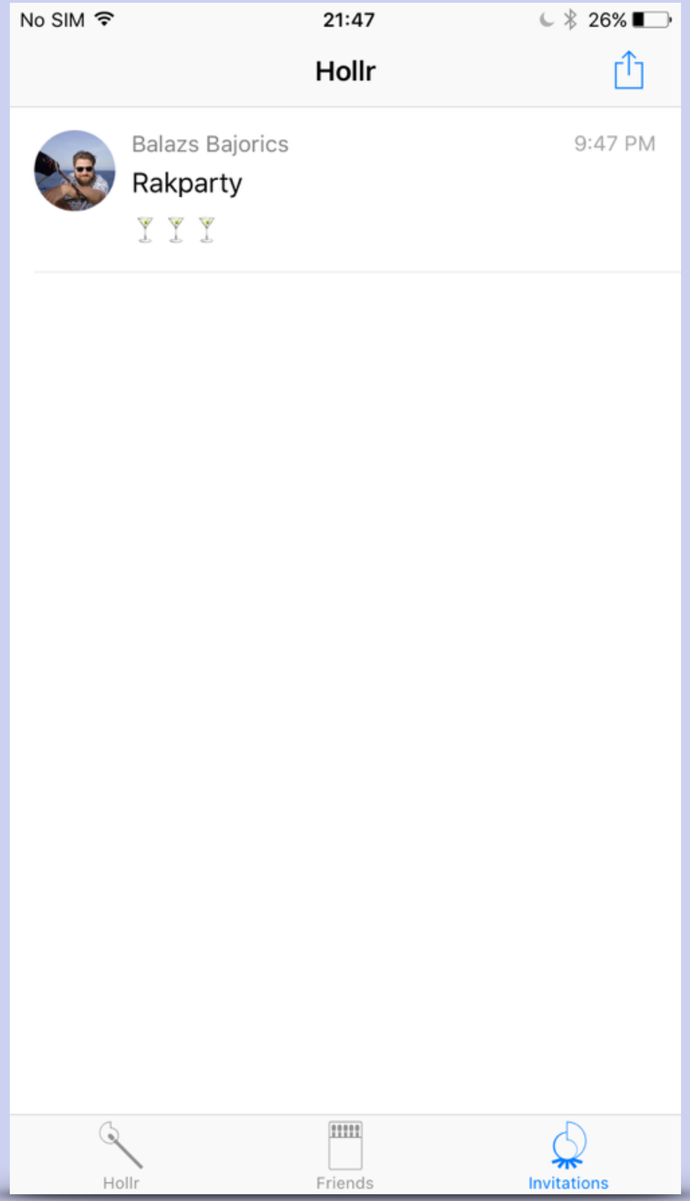
No SIM
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26%
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Balazs Bajorics
9:47 PM
Rakparty
Hollr
Friends
Invitations


Hollr

In The App Store!

https://hollr.social

App Store Experience

@ Great!

@ <24h Review

@ ~300 downloads ;)

@ Side project - limited time available

@ Some prior experience with React for the web

@ Hollr is very simple

React Native

React Native?

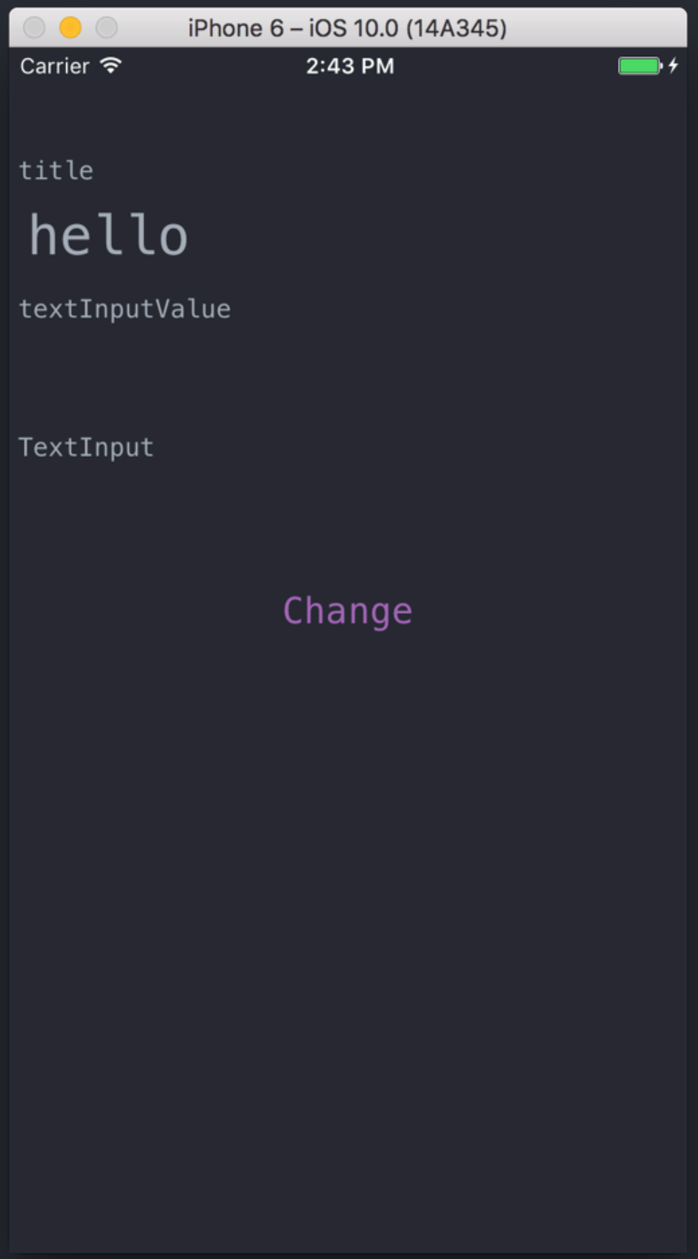
```
const Hello = ({style}) => {
 return (
  <View style={style}>
    <Text>hello</Text>
  </View>
 )
}
```

React Native?

```
interface HelloProps {
 style: ViewStyle,
}

const Hello = ({style}: HelloProps) => {
 return (
  <View style={style}>
    <Text>hello</Text>
  </View>
 )
}
```

Stylesheets

```
const styles = StyleSheet.create<Styles>({
    container: {
        flex: 1,
        justifyContent: 'flex-start',
        alignItems: 'flex-start',
        backgroundColor: '#282c34',
        paddingTop: 60,
    },
    mono: {
        fontFamily: fontFamily,
        color: '#A8AFBB',
        fontSize: 14,
    },
})
```



```
const Hello = ({style}: HelloProps) => {
```

ES6

@Arrow Function

```
const Hello = ({style}: HelloProps) => {}

const Hello =  function({style}: HelloProps) {}
```

ES6

@Arrow Function

```
const Hello = ({style}: HelloProps) => {}
```

```
const Hello = (function({style}: HelloProps) {}).bind(this)
```

ES6

@Arrow Function

```
const Hello = ({style}: HelloProps) => {}

const Hello = (function({style}: HelloProps) {}).bind(this)

const Curry = (a: string) => (b: string) => `Hello ${a} ${b}`
```

ES6

@Object Destructuring Syntax

```
const stuff = {
  a: 5,
  b: 15,
  c: 'cica',
}

const a = stuff.a
const c = stuff.c

const { a, c } = stuff
```

ES6

@Object Destructuring Syntax

```
// w/ destructuring
const Hello = ({style}: HelloProps) => {
  ...
}

// without destructuring
const Hello = (props: HelloProps) => {
  const style = props.style
  ...
}
```

React Native?

```
interface HelloProps {
 style: ViewStyle,
}

const Hello = ({style}: HelloProps) => {
 return (
  <View style={style}>
    <Text>hello</Text>
  </View>
 )
}
```

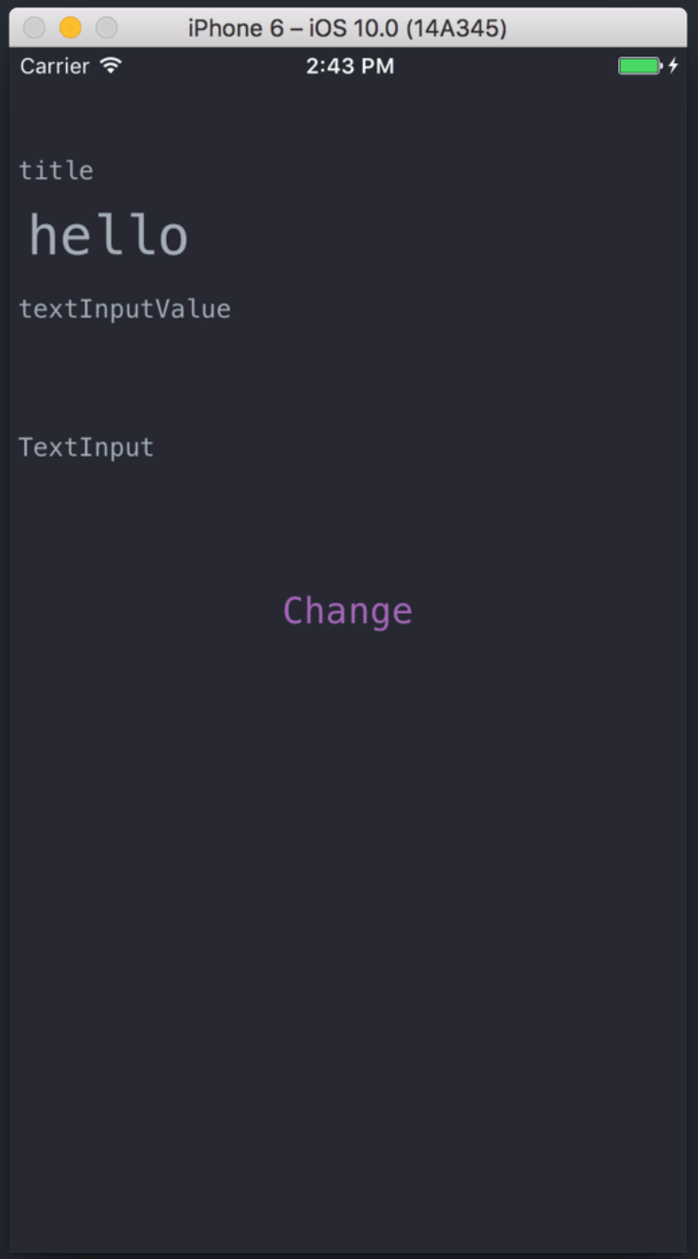
JSX

```
<View style={{ backgroundColor: 'black' }} />
```

⬇ *JSX Transform*

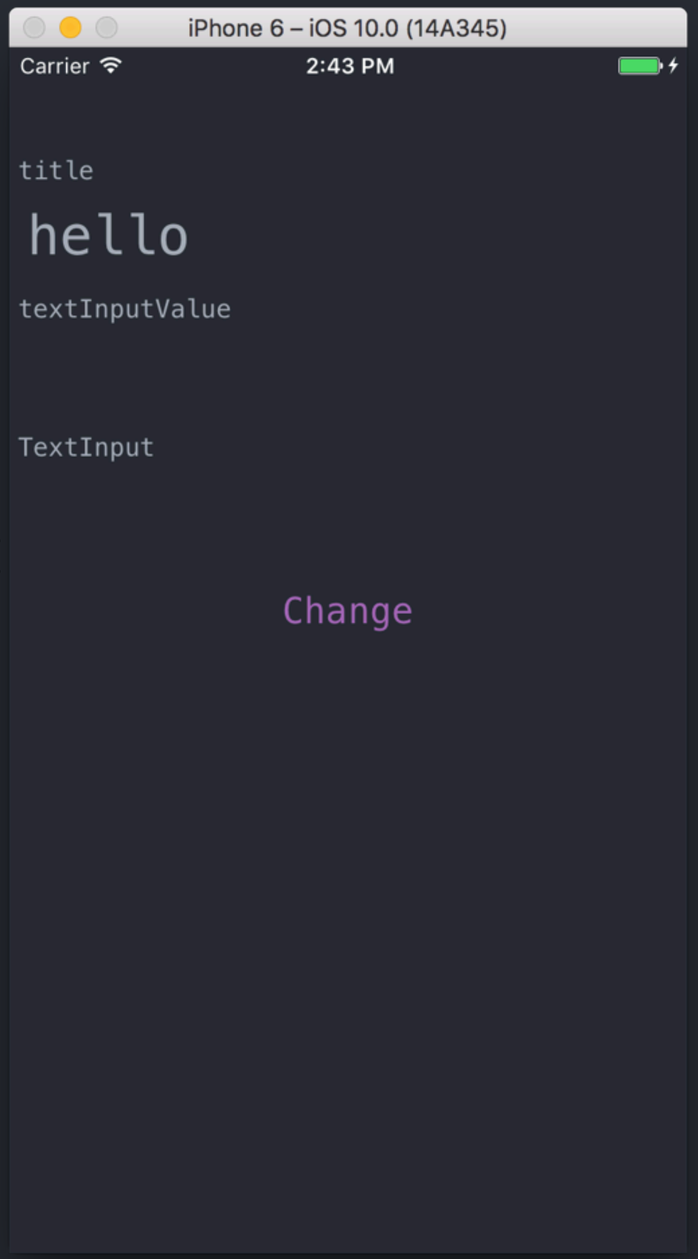
```
React.createElement(
  View,
  {style: { backgroundColor: 'black' } }
)
```

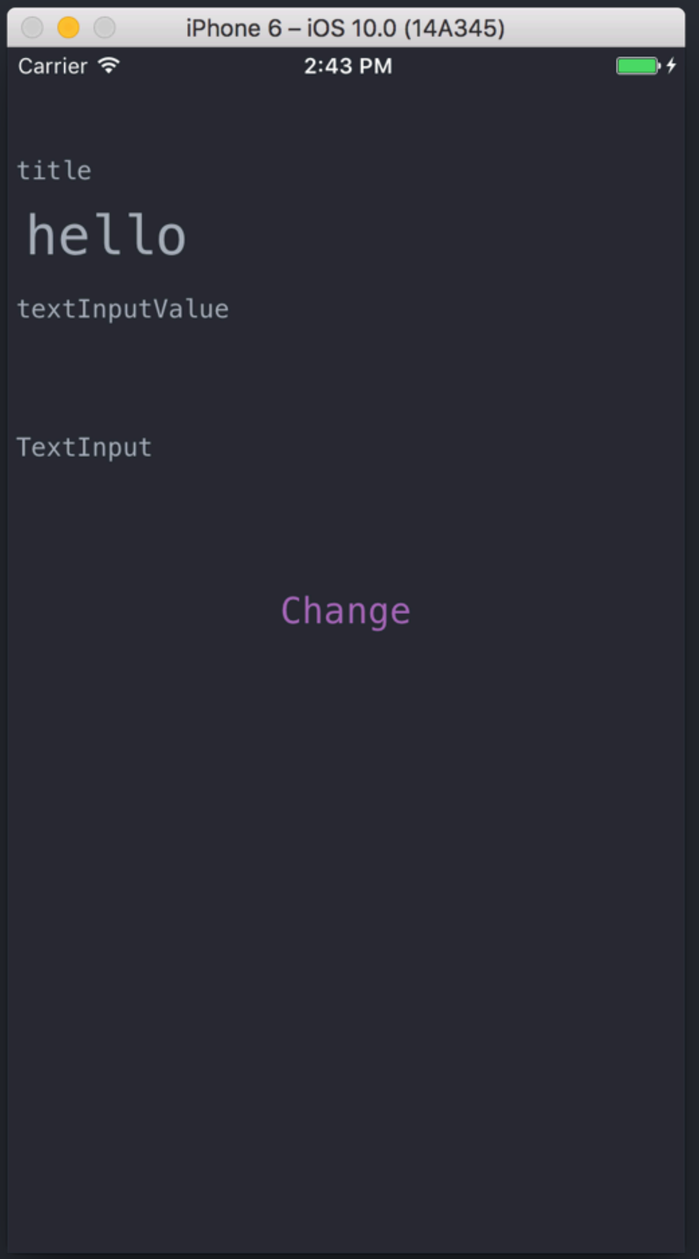
```tsx
interface MainScreenProps {
  title: string
  editedTextValue: string
  onTextInput: (text: string) => void
  onSetTitle: (text: string) => void
}

const MainScreen = ({
  title, editedTextValue, onTextInput, onSetTitle,
}: MainScreenProps) => {
  return (
    <View style={{ flex: 1 }}>
      <StatusBar
        backgroundColor='#282c34'
        barStyle='light-content'
        />
      <View style={styles.container}>
        <LabelAndTitle label='title' value={title} />
        <LabelAndTitle label='textInputValue' value={editedTextValue} />
        <TextInputField textInput={editedTextValue} onTextInput={onTextInput} />
        <ChangeButton onPress={() => onSetTitle(editedTextValue)} />
      </View>
    </View>
  )
}
```

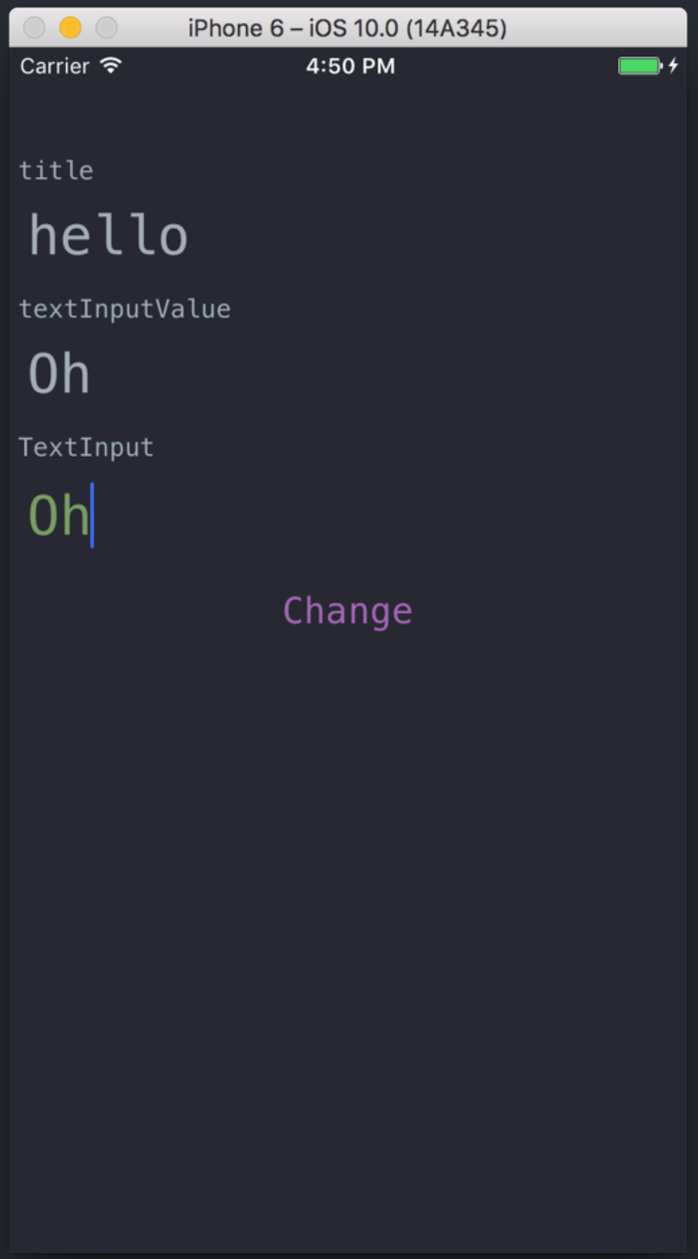


```tsx
interface TextInputFieldProps {
  textInput: string
  onTextInput: (text: string) => void
}

const TextInputField = ({textInput, onTextInput}: TextInputFieldProps) => {
  return (
    <View style={{ alignSelf: 'stretch' }}>
      <Text style={[styles.mono, styles.label]}>
        TextInput
      </Text>
      <TextInput
        style={[styles.mono, styles.title, styles.textInput]}
        onChangeText={onTextInput}
        value={textInput}
        />
    </View>
  )
}
```




iPhone 6 – iOS 10.0 (14A345)
Carrier
2:43 PM
title
hello
textInputValue
TextInput
Change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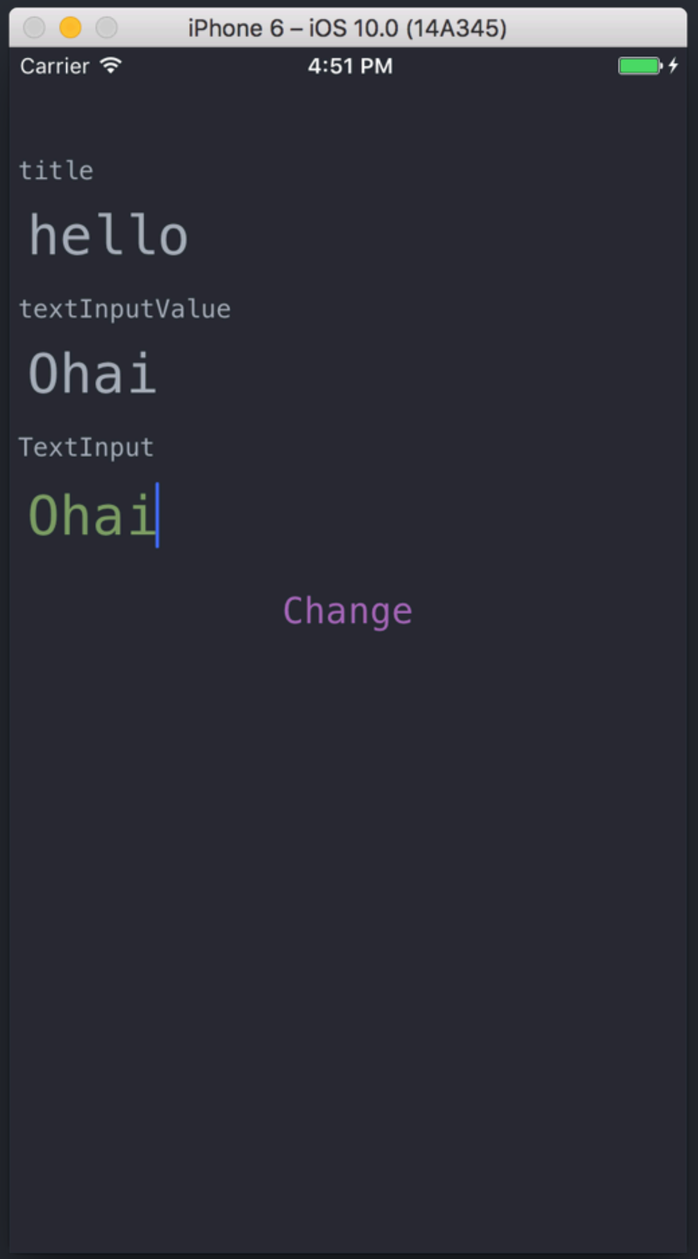
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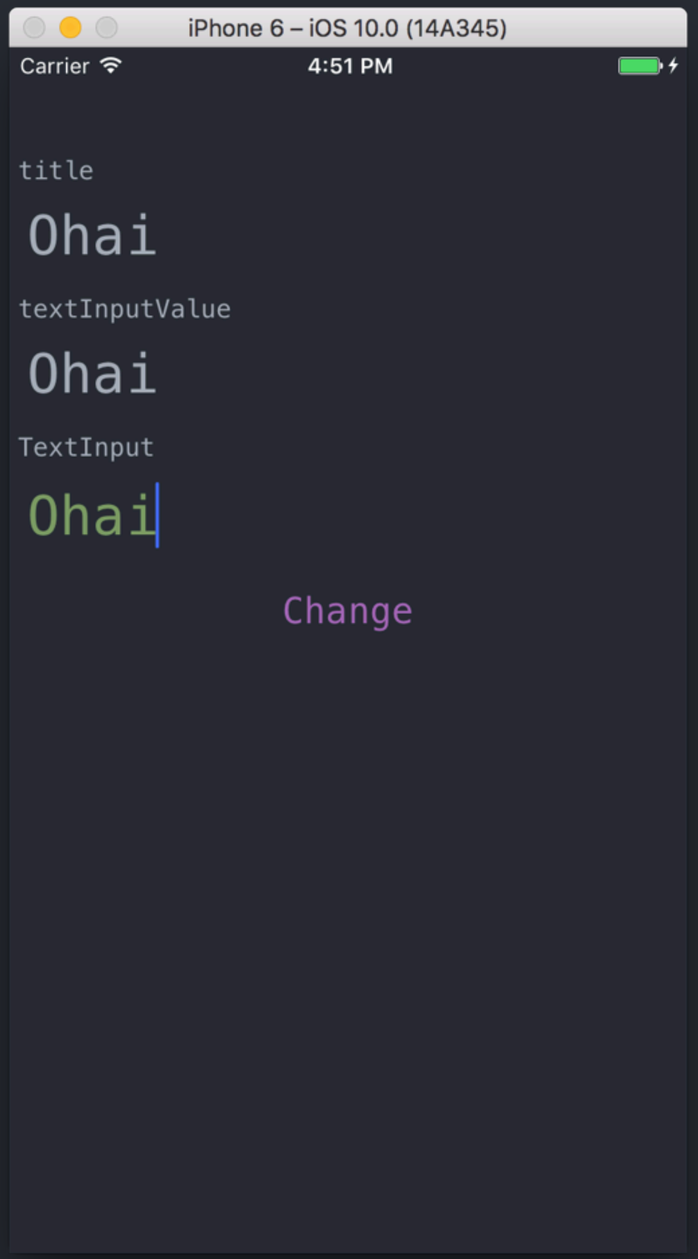
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Change

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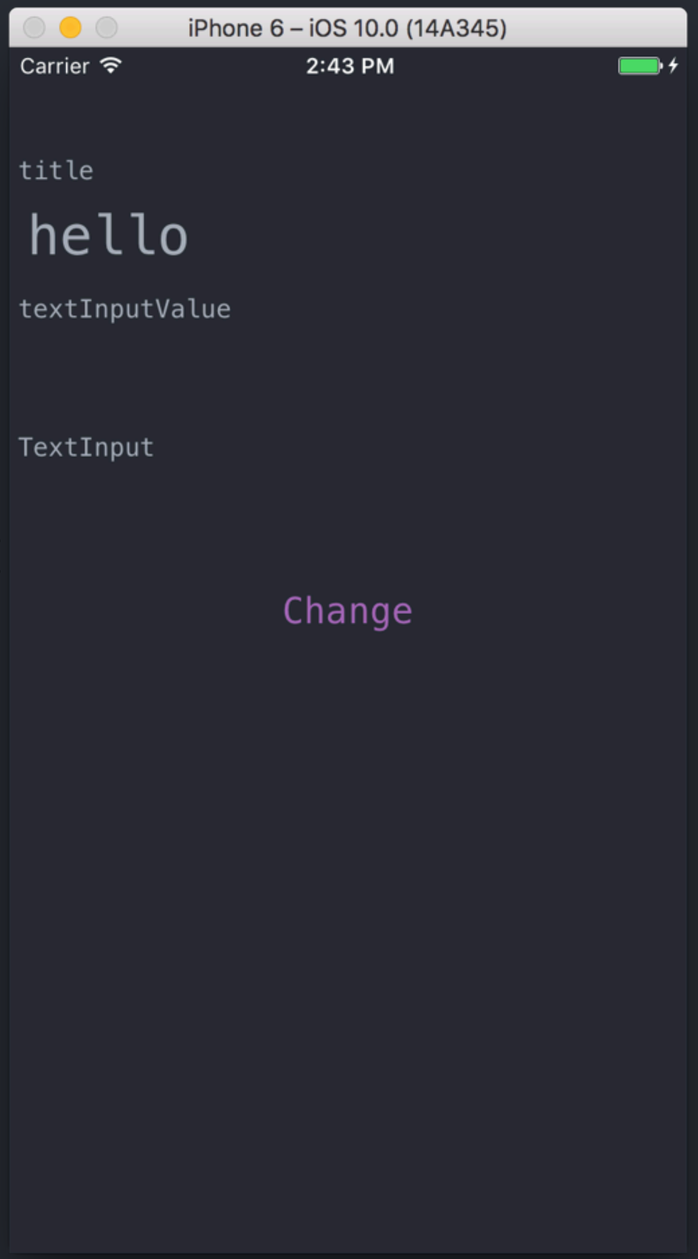
interface TextInputFieldProps {
  textInput: string
  onTextInput: (text: string) => void
}

const TextInputField = ({textInput, onTextInput}: TextInputFieldProps) => {
  return (
    <View style={{ alignSelf: 'stretch' }}>
      <Text style={[styles.mono, styles.label]}>
        TextInput
      </Text>
      <TextInput
        style={[styles.mono, styles.title, styles.textInput]}
        onChangeText={onTextInput}
        value={textInput}
        />
    </View>
  )
}
```



```tsx
interface MainScreenProps {
  title: string
  editedTextValue: string
  onTextInput: (text: string) => void
  onSetTitle: (text: string) => void
}

const MainScreen = ({
  title, editedTextValue, onTextInput, onSetTitle,
}: MainScreenProps) => {
  return (
    <View style={{ flex: 1 }}>
      <StatusBar
        backgroundColor='#282c34'
        barStyle='light-content'
        />
      <View style={styles.container}>
        <LabelAndTitle label='title' value={title} />
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        <TextInputField textInput={editedTextValue} onTextInput={onTextInput} />
        <ChangeButton onPress={() => onSetTitle(editedTextValue)} />
      </View>
    </View>
  )
}
```

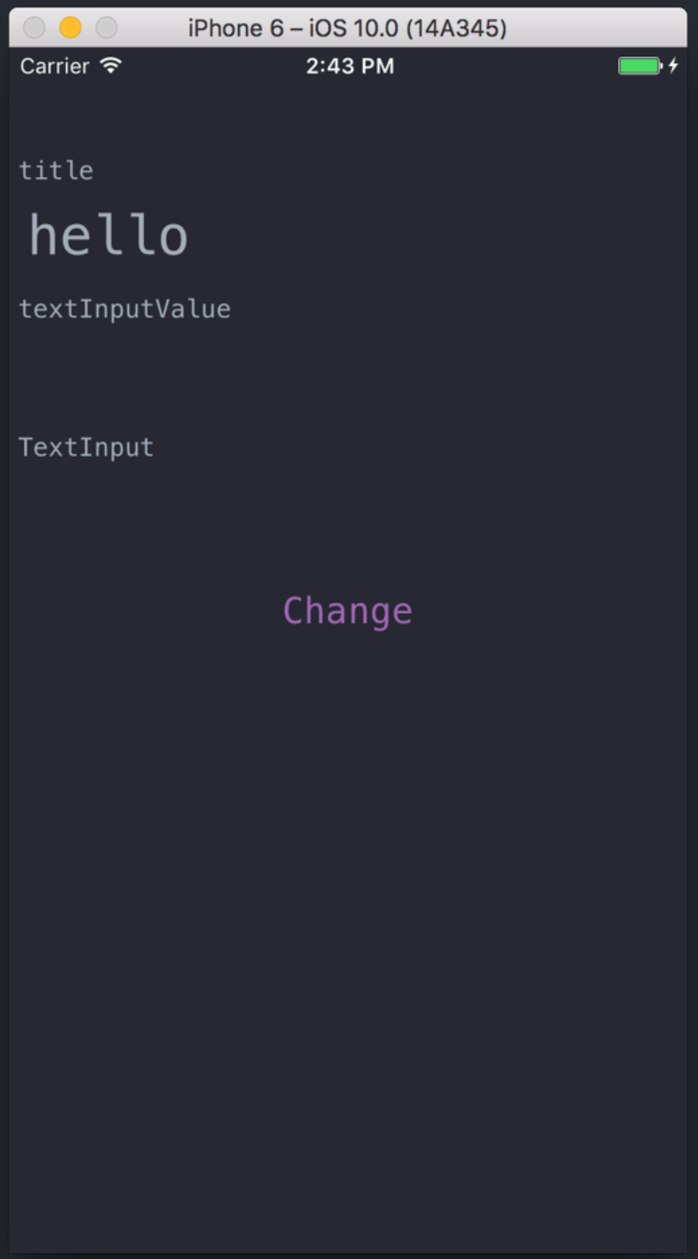

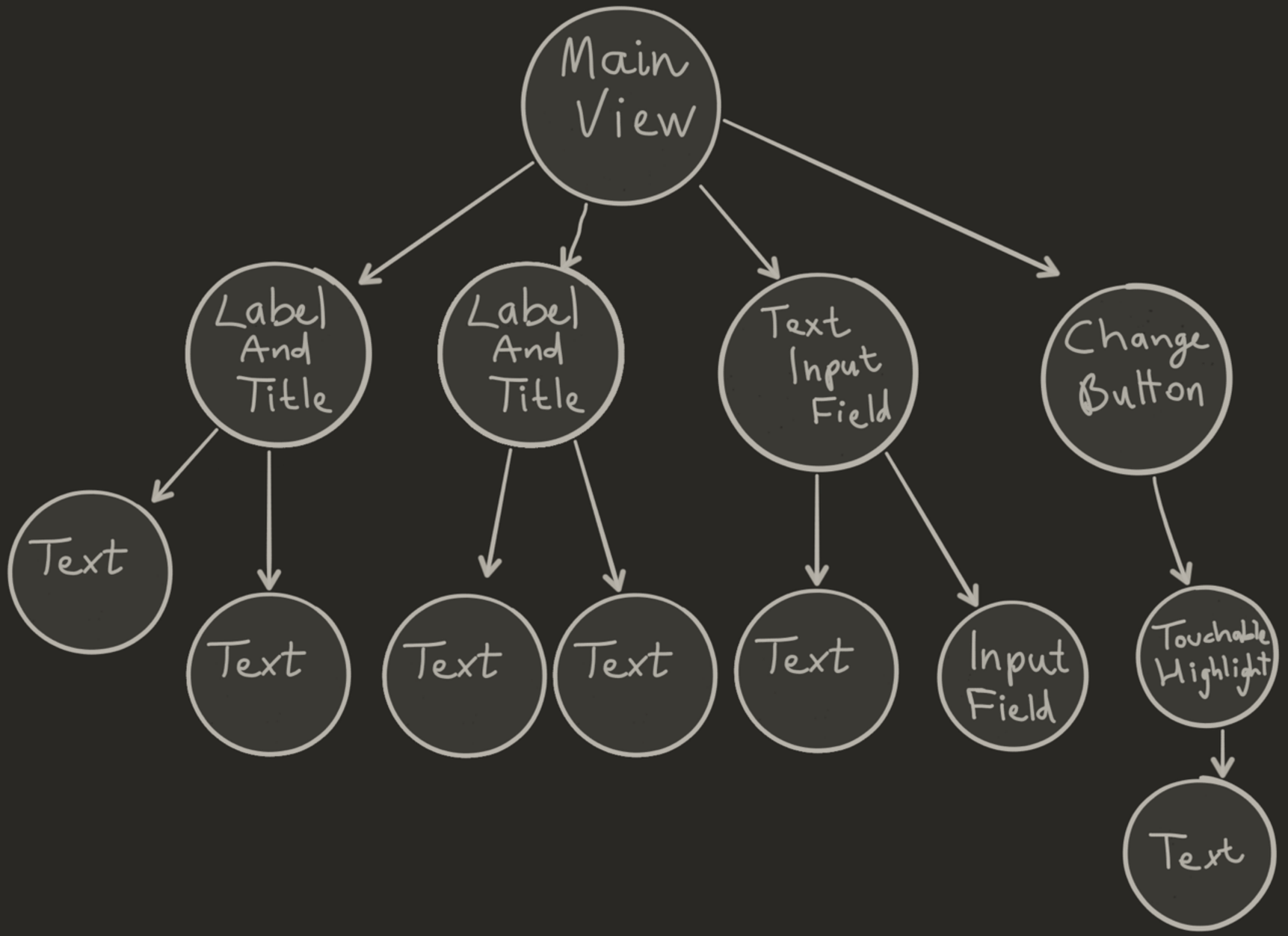
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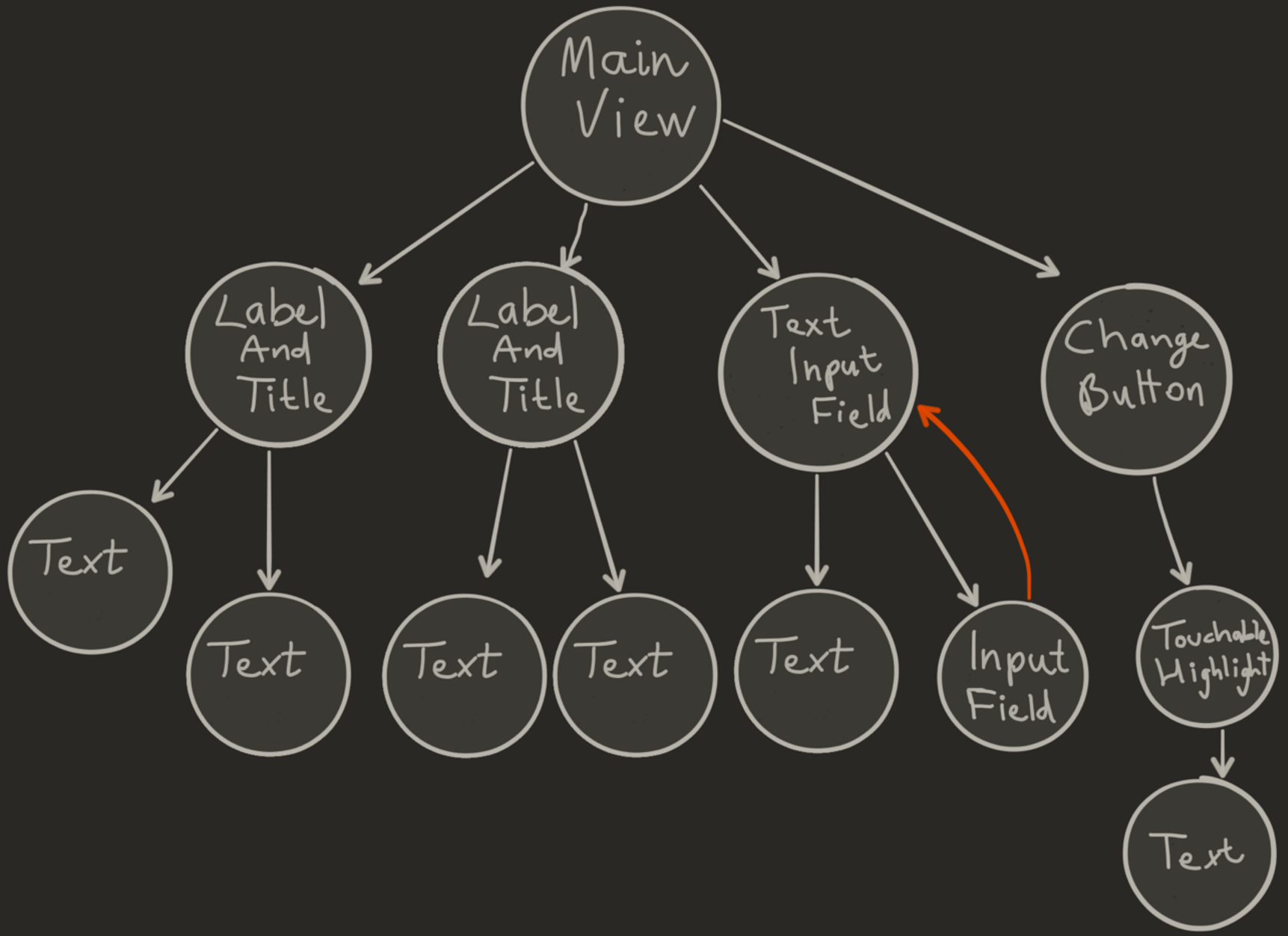
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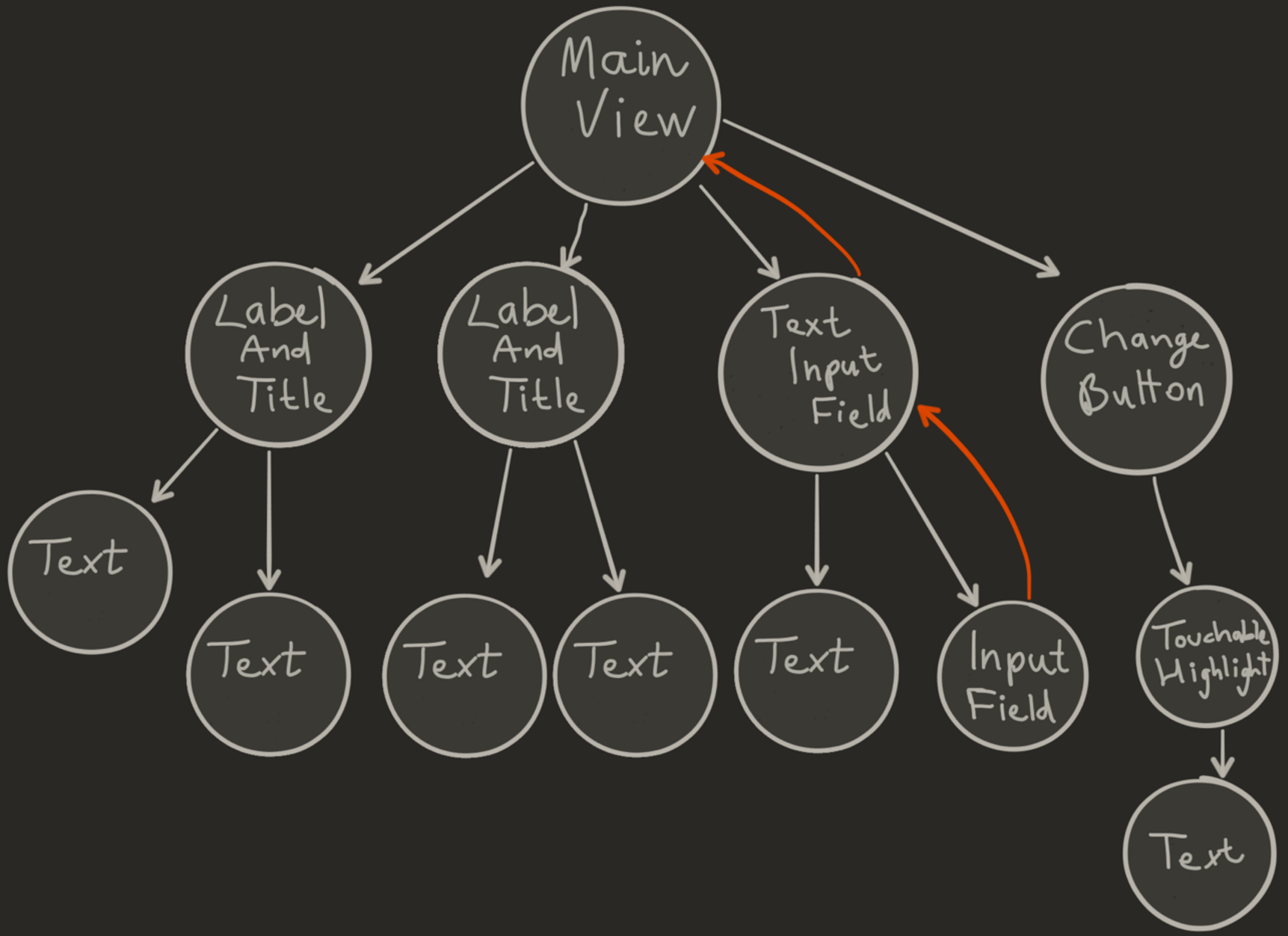
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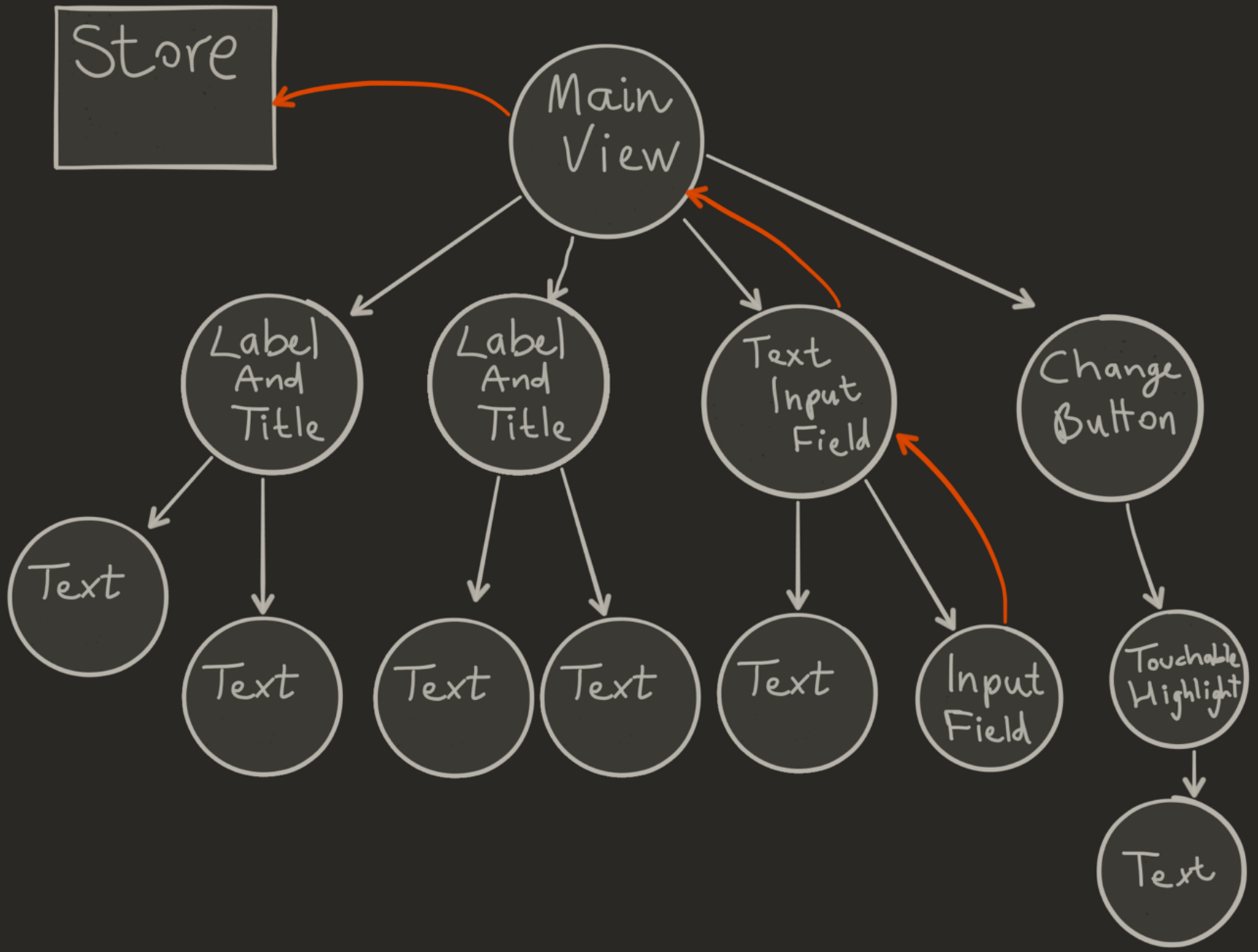
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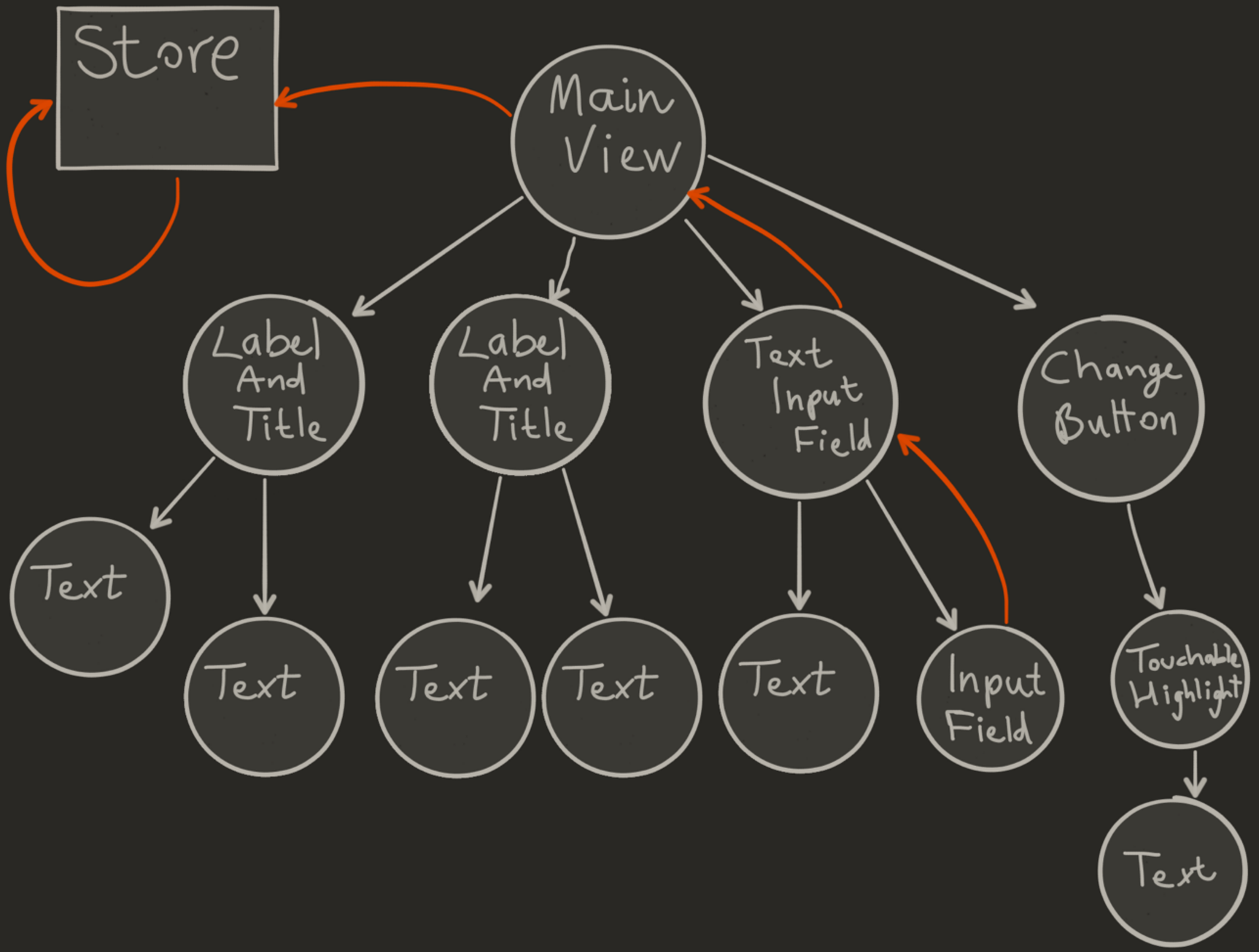
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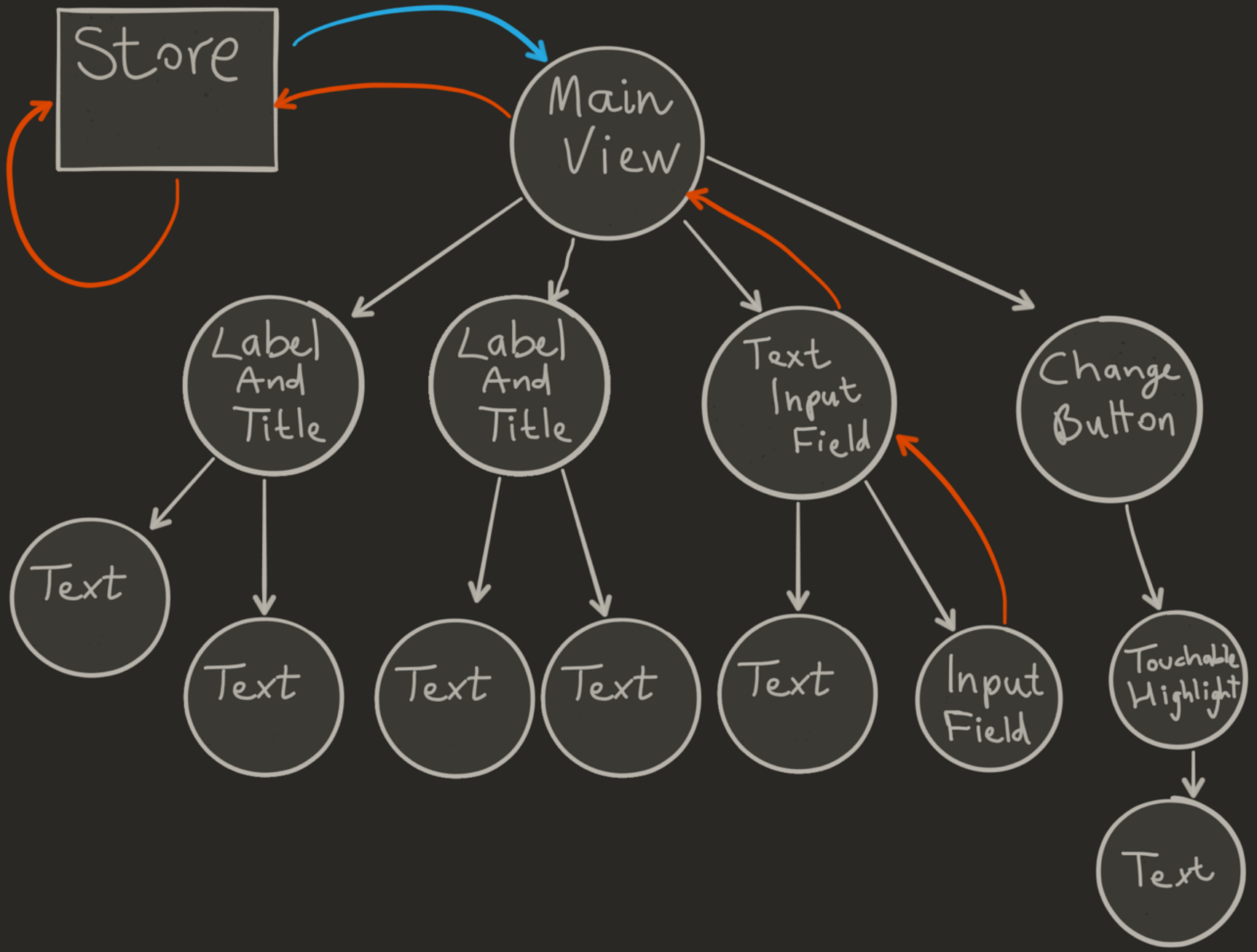
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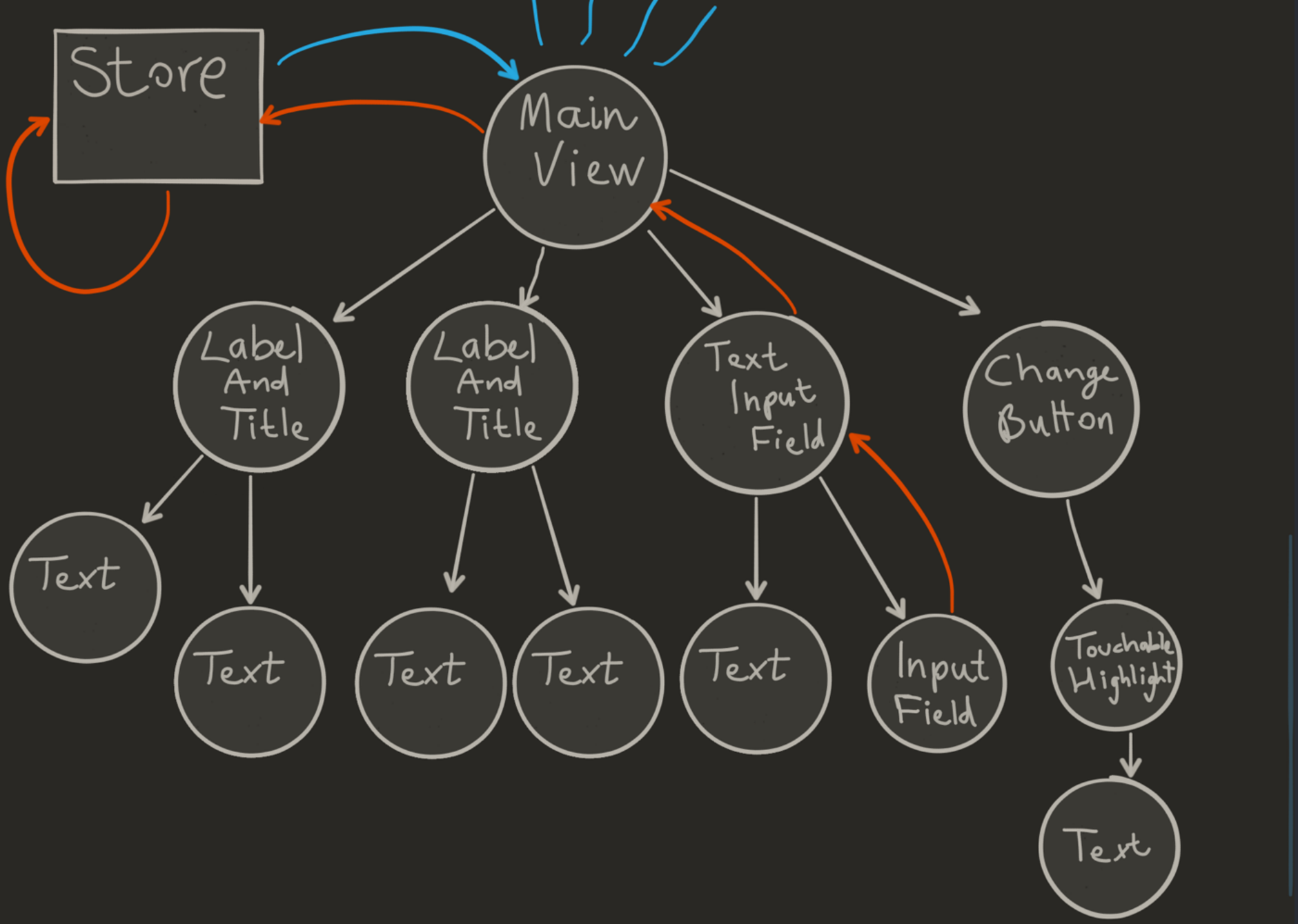
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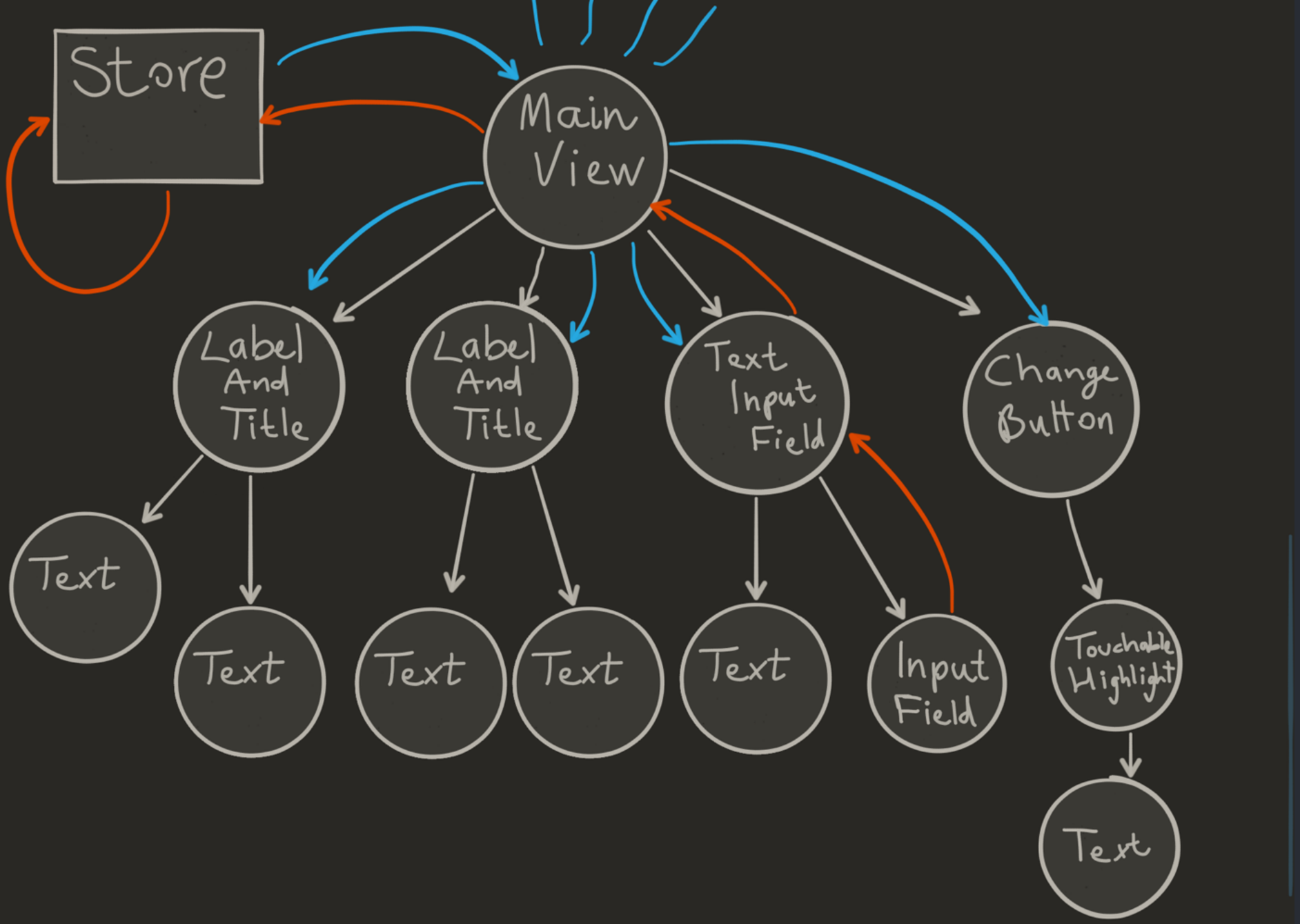
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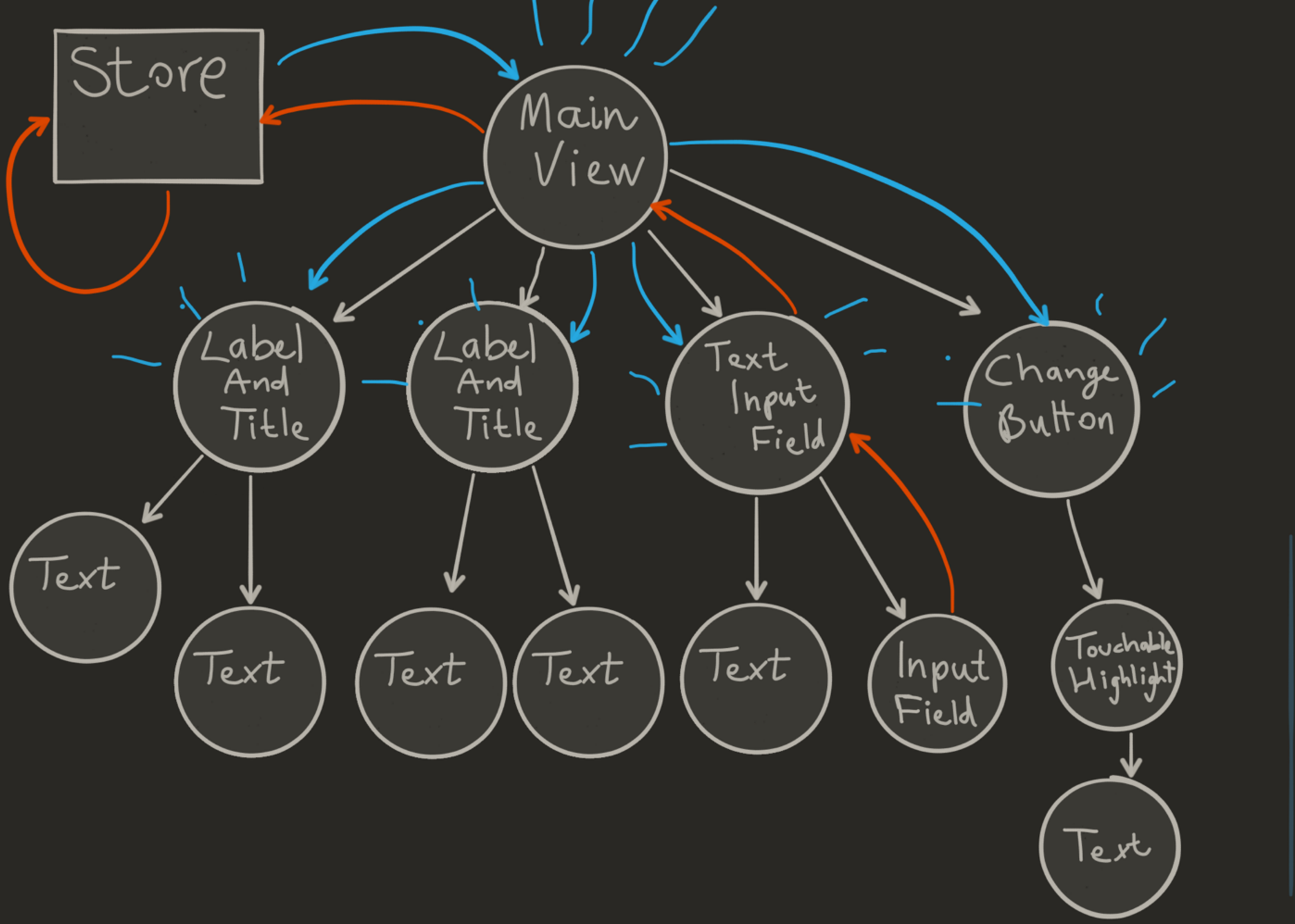
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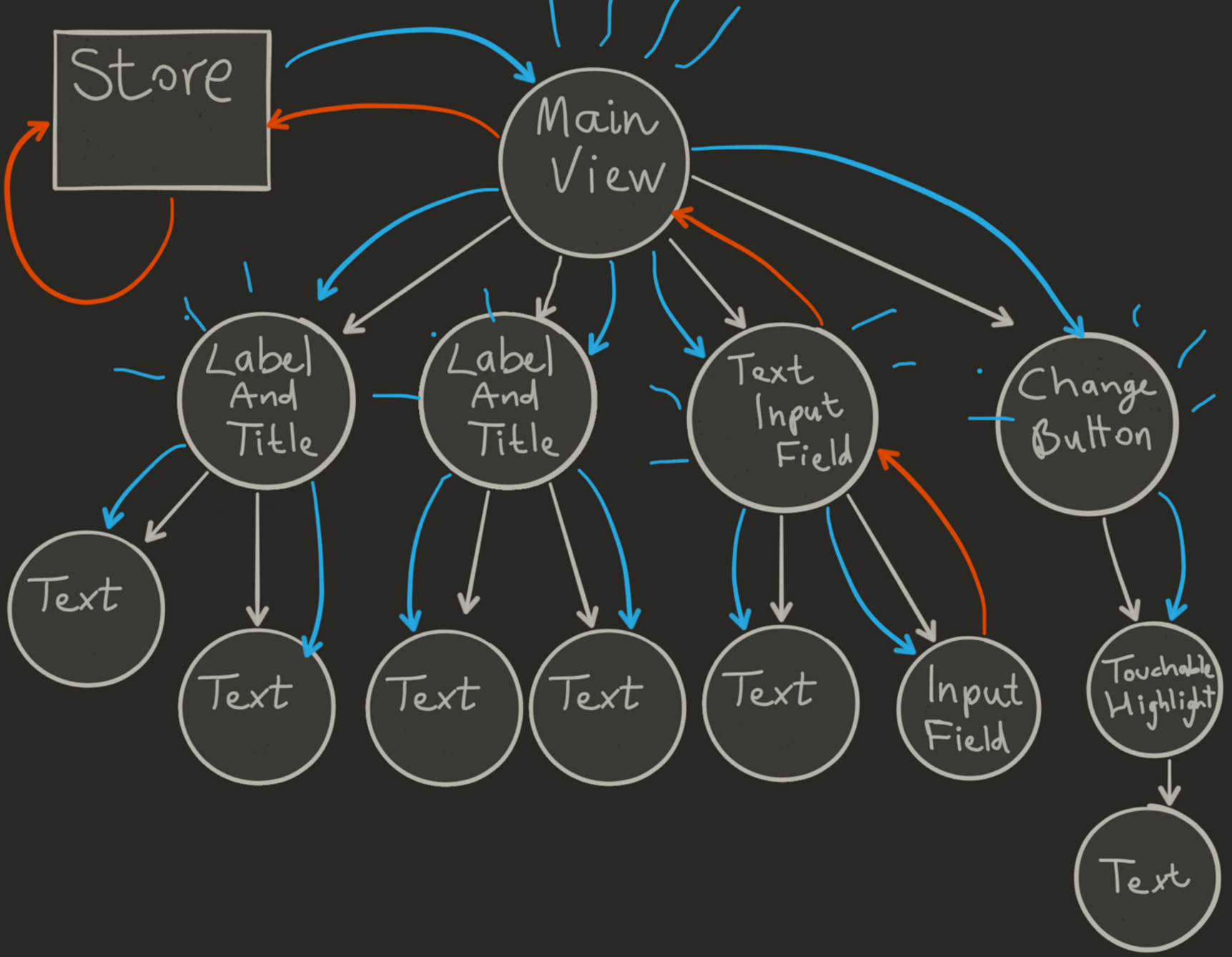
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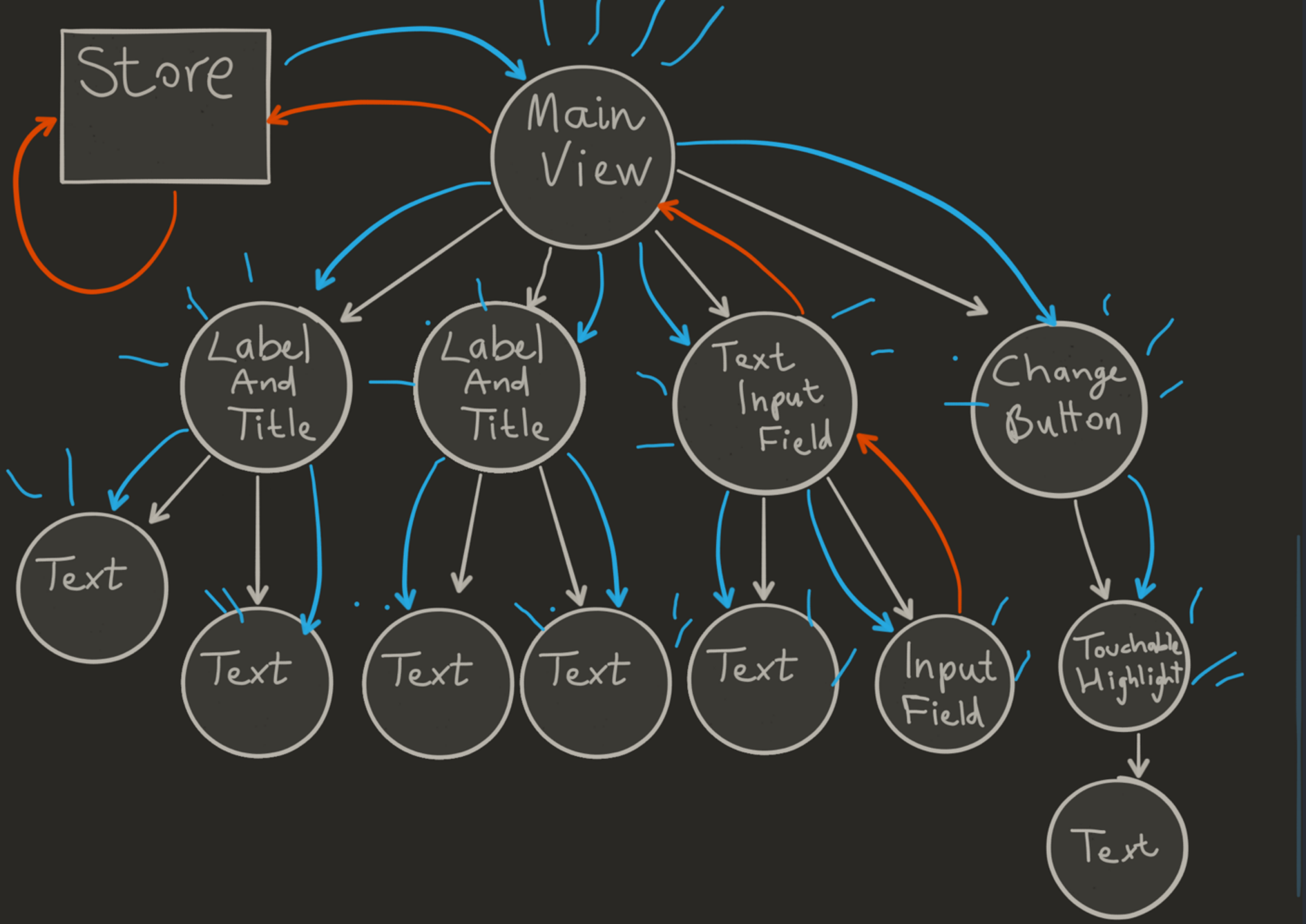
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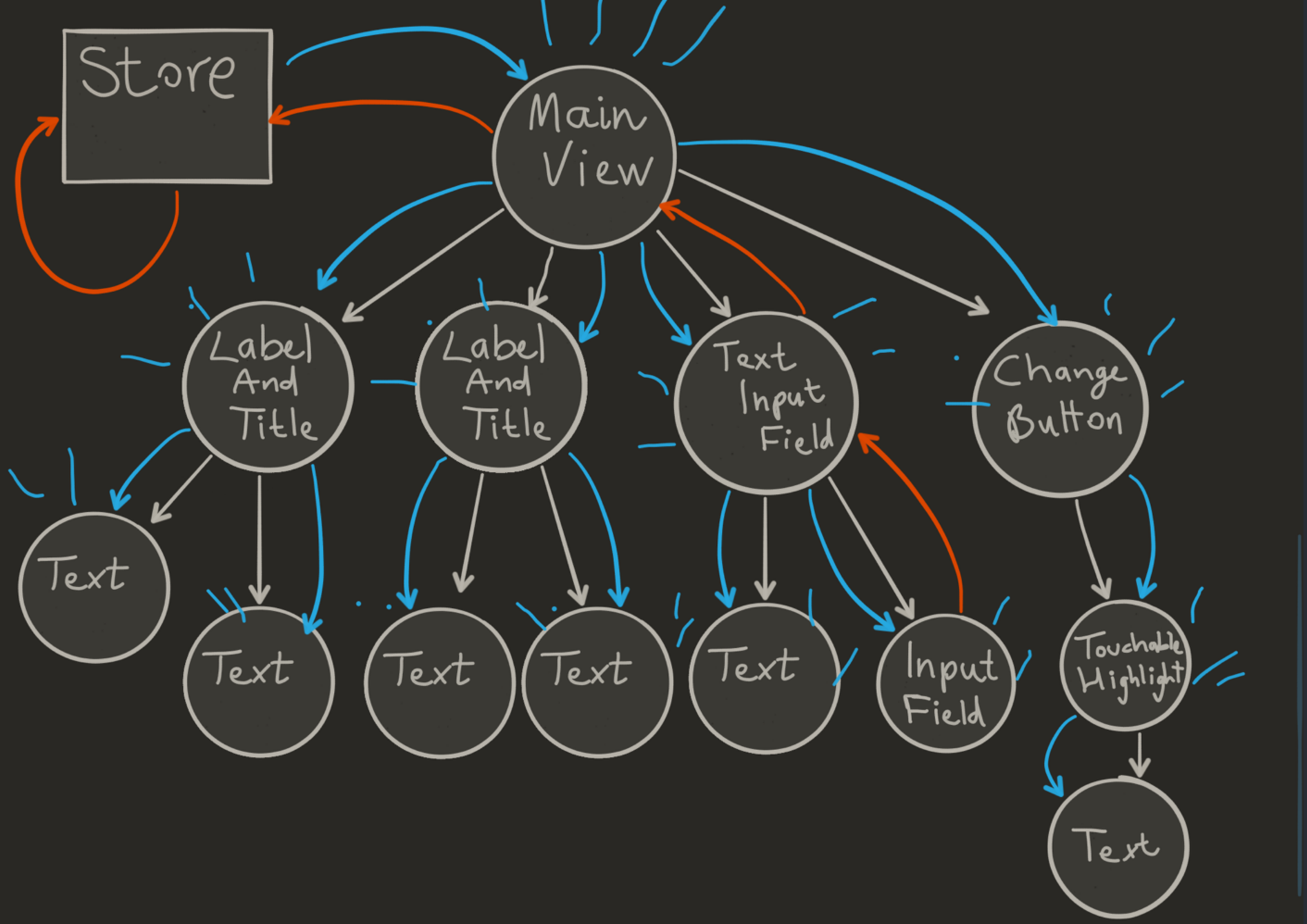
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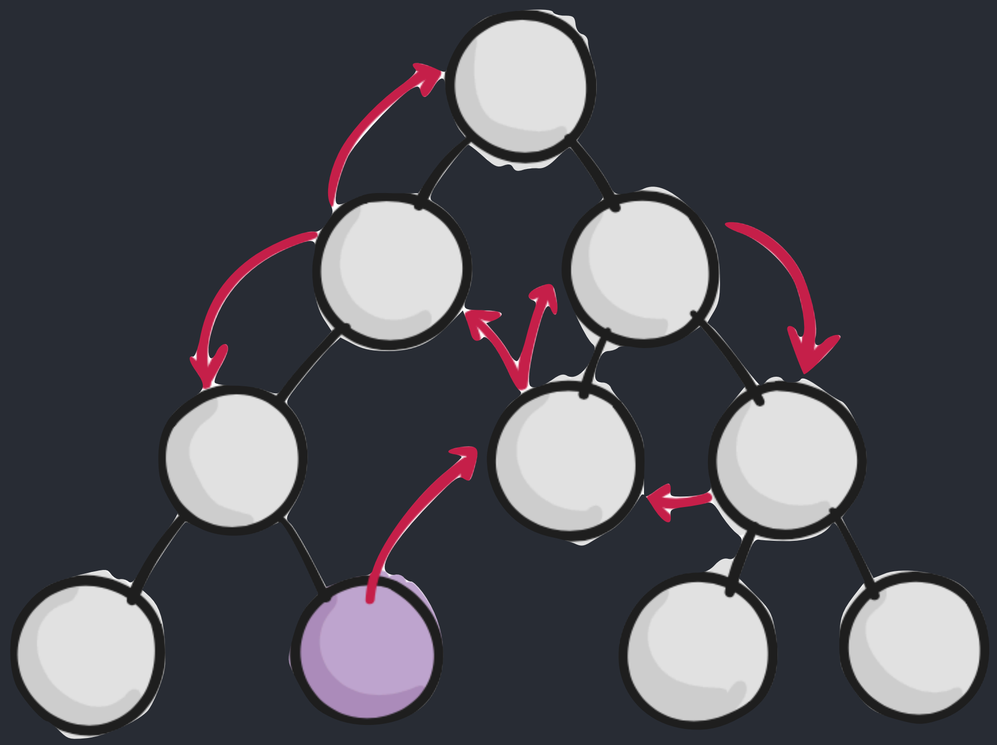
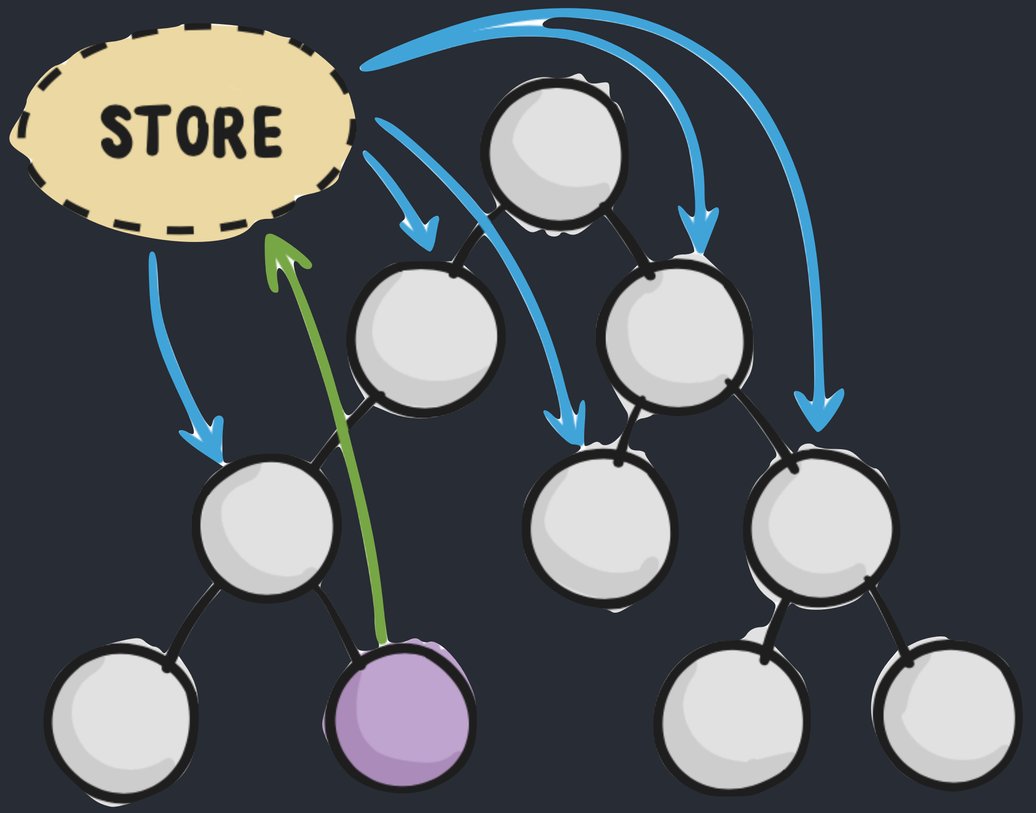
Without Redux

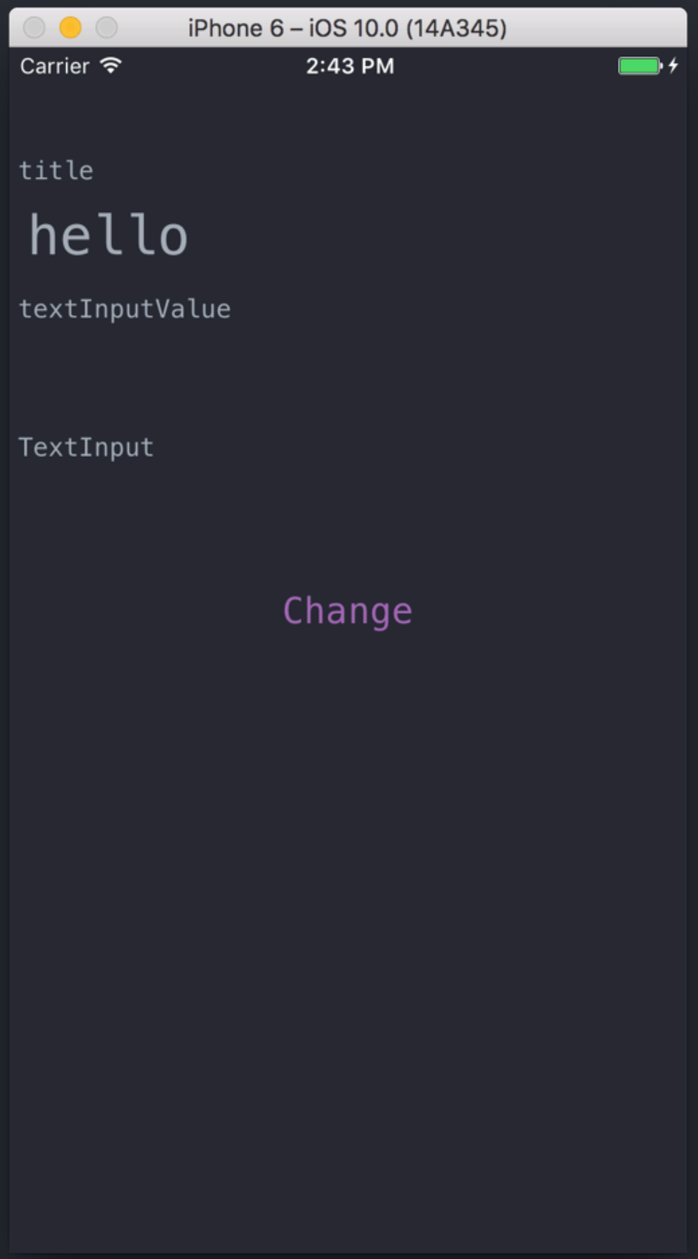


With Redux



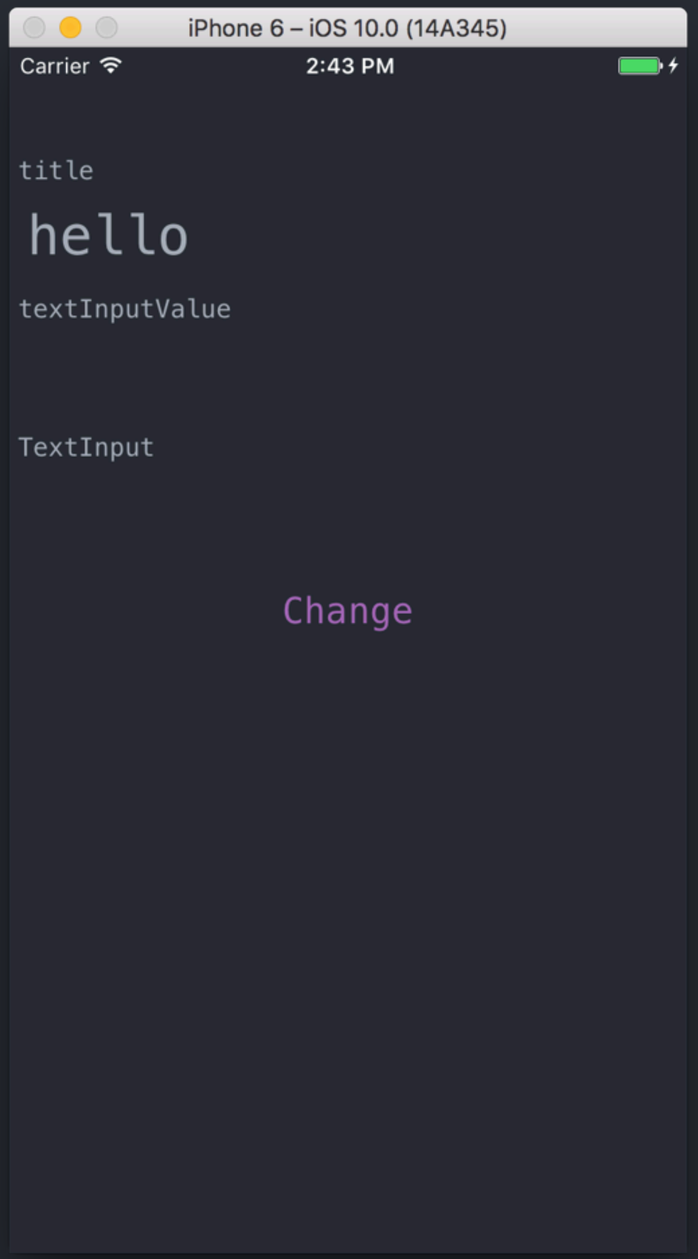
```tsx
interface MainScreenProps {
  title: string
  editedTextValue: string
  onTextInput: (text: string) => void
  onSetTitle: (text: string) => void
}

const MainScreen = ({
  title, editedTextValue, onTextInput, onSetTitle,
}: MainScreenProps) => {
  return (
    <View style={{ flex: 1 }}>
      <StatusBar
        backgroundColor='#282c34'
        barStyle='light-content'
        />
      <View style={styles.container}>
        <LabelAndTitle label='title' value={title} />
        <LabelAndTitle label='textInputValue' value={editedTextValue} />
        <TextInputField textInput={editedTextValue} onTextInput={onTextInput} />
        <ChangeButton onPress={() => onSetTitle(editedTextValue)} />
      </View>
    </View>
  )
}
```



```
          <LabelAndTitle label='title' value={title} />
          <LabelAndTitle label='textInputValue' value={editedTextValue} />
          <TextInputField textInput={editedTextValue} onTextInput={onTextInput} />
          <ChangeButton onPress={() => onSetTitle(editedTextValue)} />
        </View>
      </View>
    )
}

const mapStateToProps = (state: State) => {
  return {
    title: state.title,
    editedTextValue: state.textInputValue,
  }
}
const mapDispatchToProps = (dispatch: Dispatch<any>) => {
  return {
    onTextInput: (text: string) => dispatch(textInput(text)),
    onSetTitle: (text: string) => dispatch(setTitle(text)),
  }
}
export const MainScreenContainer = connect(mapStateToProps, mapDispatchToProps)
(MainScreen)
```



Typescript

@ Good community support

@ Seems to have better IDE integration than Flow

@ always enable `noImplicitAny` and `strictNullChecks`

React Native

@ Try it!

@ Perfect for small projects, side projects

@ Production ready

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github.com/balazsbajorics/react-native-demo-app