OBJECT COMPUTING

React Native iOS Components

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iOS-SPECIFIC COMPONENTS

- **DatePickerIOS**

- **ImagePickerIOS**

- **InputAccessoryView**

- **MaskedViewIOS**

- **NavigatorIOS**

- **PickerIOS**

- **ProgressViewIOS**

- **PushNotificationIOS**

- **SafeAreaView**

- **SegmentedControlIOS**

- **SnapshotViewIOS**

- **TabBarIOS**

iOS-SPECIFIC PROVIDED LIBRARIES

- **ActionSheetIOS**
- **AlertIOS**
- **ImagePickerIOS**
- **Settings**
- **StatusBarIOS**

DatePickerIOS

```
<DatePickerIOS
  date={initialDate}
  mode="mode"
  onDateChange={date => { ... }}
/>
```

date is a JavaScript **Date** object

- **mode** values are **'date'**, **'time'**, and **'datetime'** (default)

- Other props are
  - **maximumDate**
  - **minimumDate**
  - **minimumInterval** - interval at which minutes can be selected (defaults to 1)

- Can use MomentJS library to work with values

OBJECT COMPUTING

PickerIOS

- For picking an item from a list

- How is this better than the platform-independent `Picker` component?

- If better, add details from book

ProgressViewIOS

- To show percent completion of an activity
  such as fetching data from a REST service

  - How would you know the percentage, from Content-Length header?

- Other props

  - **progressImage**

  - **trackImage**

  - **progressTintColor**

  - **progressViewStyle**

  - **trackTintColor**

```
<ProgressViewIOS
  progress={percentage}
/>
```

ActionSheetIOS …

- To show action sheets and share sheets

- Action sheets are specified with an array of buttons
  that each have an associated function that is called when pressed

  - setting `cancelButtonIndex` to 0 places it at bottom

```
ActionSheetIOS.showActionSheetWithOptions(
    buttonTexts,
    cancelButtonIndex: 0,
    successCb);
```
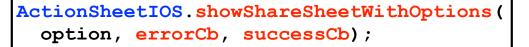
...`ActionSheetIOS`

- **`showShareSheetWithOptions`** options

  - **`url`**

  - **`message`**

  - **`title`**

  ```
  ActionSheetIOS.showShareSheetWithOptions(
      option, errorCb, successCb);
  ```

  - **`subject`**

  - **`excludeActivityTypes`** - an array; What are the possible values?

  - **`successCb`** is passed

    - a boolean to indicate if successful
      (Why doesn't it just call errorCb if not successful?)

    - a method (What is this?)

ProgressViewIOS

- Renders a progress bar

```
<ProgressViewIOS progress={progress} />
```

SegmentedControlIOS

- For horizontal tab bars

- Doesn't on its own hide and show other components

- Why not use platform-independent navigation tabs?

TabBarIOS

- Add description

- Doesn't on its own hide and show other components