

# Apps mòbils amb



## Introducció a Ionic

# Index

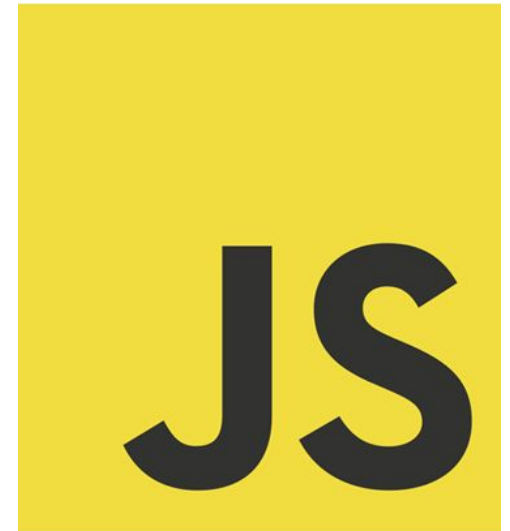
- What is Ionic?
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# What is Ionic?



A frontend framework, built on  
Cordova, Angular and Sass

# What is Ionic?



# Apache Cordova



APACHE  
CORDOVA™

Apache Cordova is a platform for building native mobile applications using HTML, CSS and Javascript.

# AngularJS



Client-side framework for building  
webapps

# Sass



Sass is an extension of CSS that adds power and elegance to the basic language.

# Pros

- Cross-platform: Android, iOS, Windows, Blackberry.
- Smaller learning curve if you have a web development background.
- Faster development



# Cons

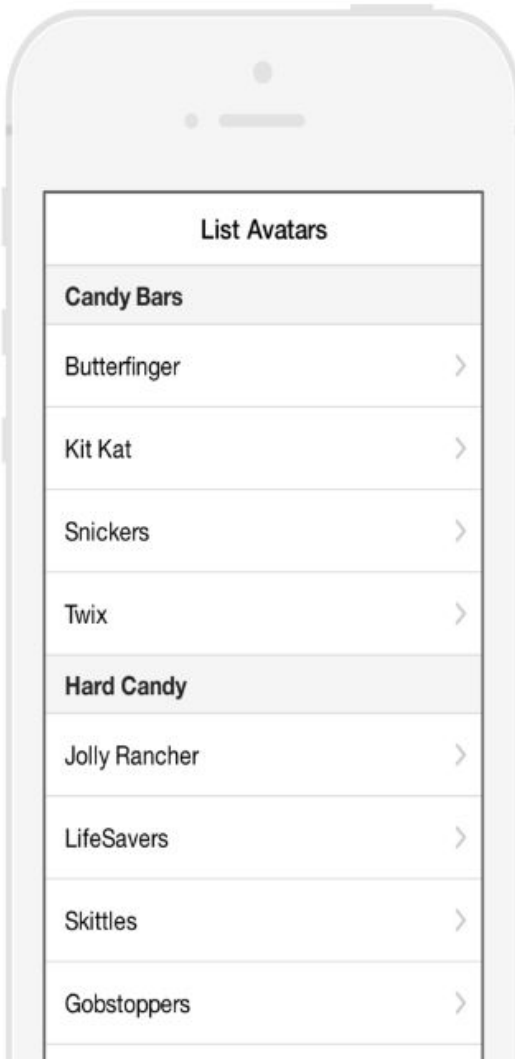
- Poor performance
- Common UI across platforms

# Pre-requisites

- Node/NPM
- Ruby/Sass
- (optional) Gulp
- (optional) Android Studio or Xcode

# CSS Components

## Lists



```
<div class="list">

  <div class="item item-divider">
    Candy Bars
  </div>

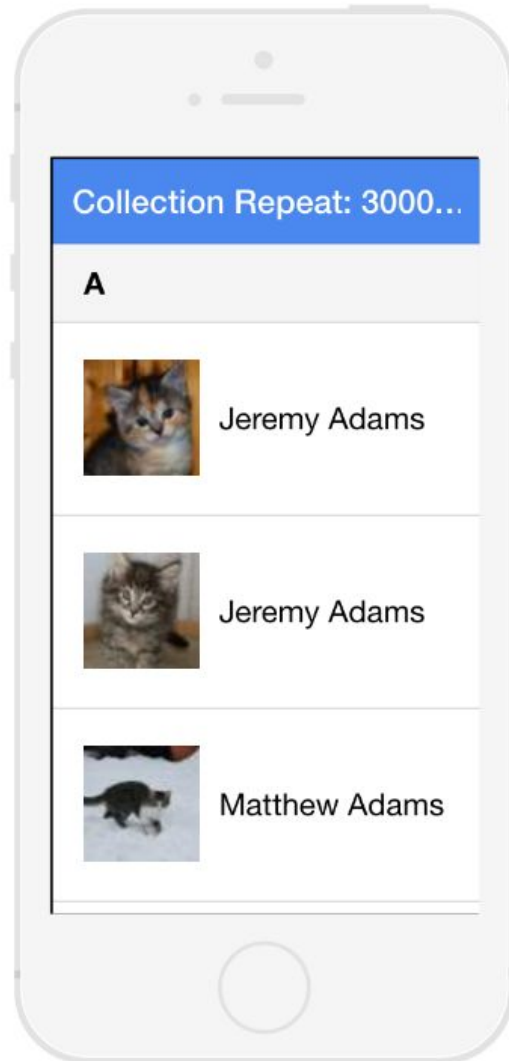
  <a class="item" href="#">
    Butterfinger
  </a>

  <a class="item" href="#">
    Kit Kat
  </a>

  ...
</div>
```

# CSS Components

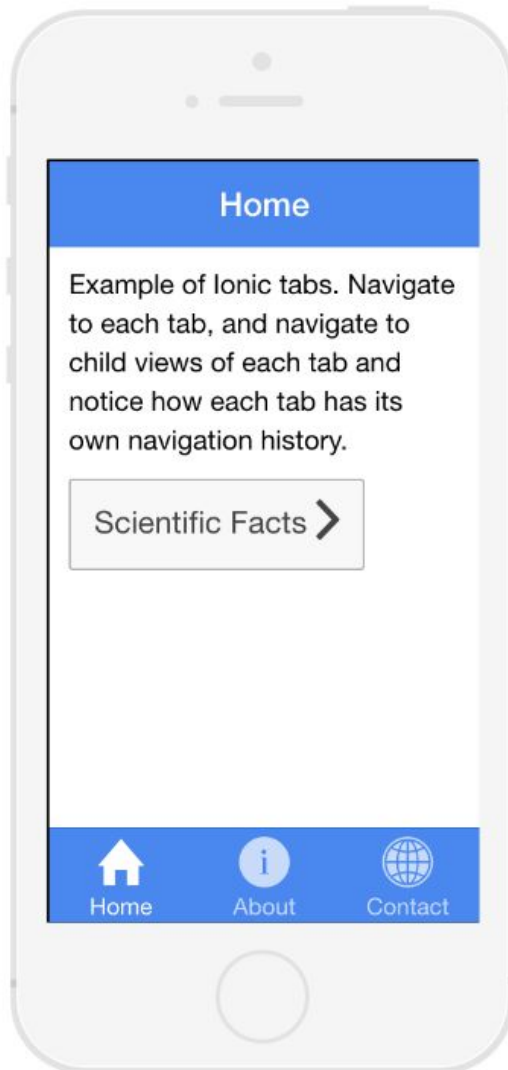
## Collection Repeat



```
<div class="list">
  <div collection-repeat="c in contacts">
    <h2>{{ c.name }}</h2>
    <p>{{ c.email }}</p>
  </div>
</div>
```

# CSS Components

## Tabs



```
<ion-tabs>

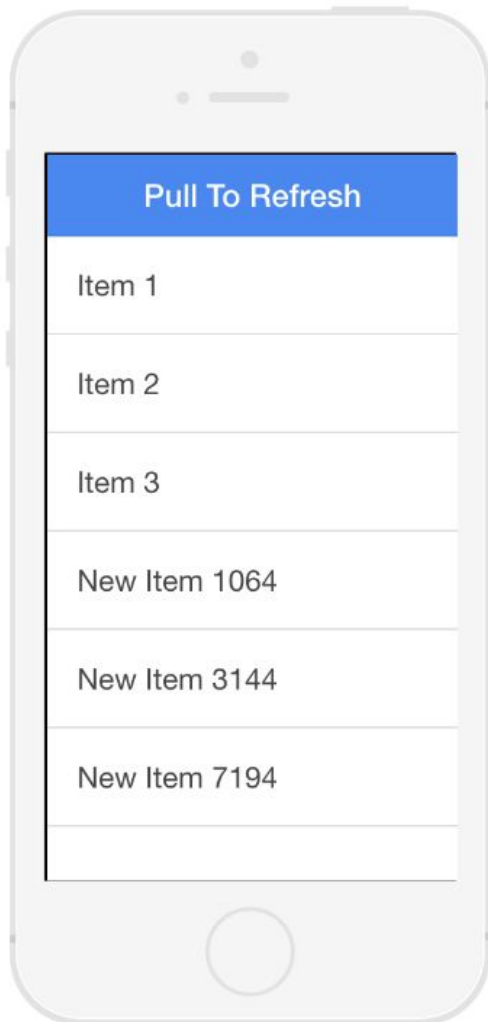
  <ion-tab title="Home" icon="ion-home">
    <ion-nav-view name="home"></ion-nav-view>
  </ion-tab>

  <ion-tab title="About" icon="ion-information">
    <ion-nav-view name="about"></ion-nav-view>
  </ion-tab>

  <ion-tab title="Contact" icon="ion-ios7-world">
    <ion-nav-view name="contact"></ion-nav-view>
  </ion-tab>

</ion-tabs>
```

# Javascript Components

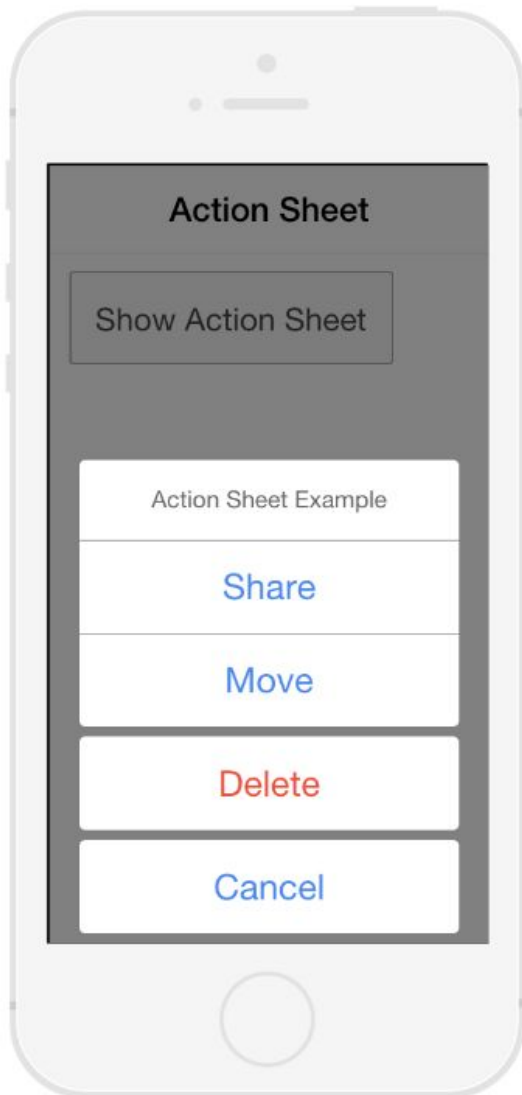


## Pull to Refresh

```
<ion-refresher on-refresh="doRefresh()" pulling-text="Pull to refresh..." refreshing-text="Refreshing!" refreshing-icon="ion-loading-c">
</ion-refresher>
```

# Javascript Components

## Action Sheet



```
$ionicActionSheet.show({
  titleText: 'Action Sheet Example',
  buttons: [
    { text: 'Share' },
    { text: 'Move' },
  ],
  destructiveText: 'Delete',
  cancelText: 'Cancel',
  buttonClicked: function(index) {
    console.log('BUTTON CLICKED', index);
    return true;
  }
});
```

# Javascript Components



## Popover

```
$ionicPopover.fromTemplateUrl('popover.html',  
  function(popover) {  
    $scope.popover = popover;  
  }  
);
```

```
<ion-popover-view>  
  <ion-header-bar>  
    <h1 class="title">My Popover Title</h1>  
  </ion-header-bar>  
  <ion-content class="padding">  
    Hello!  
  </ion-content>  
</ion-popover-view>
```



# CLI

- `ionic start <appName> <template>`
- `ionic serve [--livereload] [--lab]`
- `ionic platform add <platform>`
- `ionic build <platform>`
- `ionic emulate <platform>`
- `ionic help`

# Folder structure

- /hooks Cordova custom commands
- /platforms Android, iOS, Windows, etc.
- /plugins Cordova plugins
- /resources Icon & splash images
- /scss Sass stylesheet files
- /www Root directory
- /www/lib Bower packages

# Demo

## Install Ionic and Cordova

```
> npm install -g cordova ionic
```

## **Optionally** install Gulp and Sass

```
> gem install sass
```

```
> npm install -g gulp
```

# Demo

## Create project

- > ionic start SeminariFIB tabs

## Add platform

- > ionic platform add android
- > ionic platform build android
- > ionic platform emulate android

# Demo

## Test it in the browser

> ionic serve

## See how it will look like in Android and iOS

> ionic serve --lab

## See changes live

> ionic serve --livereload

# Q&A

# Reference

## **Getting started guide**

[ionicframework.com/getting-started](https://ionicframework.com/getting-started)

## **Documentation**

[ionicframework.com/docs](https://ionicframework.com/docs)