Hybrid mobile development with
Ionic Framework

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Native vs Hybrid

Native
- Proficiency in each platform required
- Entirely separate code bases
- Time consuming & expensive development
- More Platforms. More Problems.

Hybrid Apps
- HTML5 that acts like native
- Direct access to native APIs
- Familiar web dev environment
- Develop a single code base
- reuse code between platforms

Native vs Hybrid

Why still **native sdk**

- Common UI Views for better user experience
- Navigation and history stack
- Transitions
- It offers full access to the mobile platform

and not **web sdk**

- Doesn't offer full access to the mobile platform
- Doesn't provide rich, native-style UI components and interactions
- You'll probably spend way too much time bringing native look and feel

Native vs Hybrid

What

HTML5 framework for hybrid mobile apps.
Build on angular, sass.
Uses cordova/phonegap for creating running building deploying mobile apps.
Contains lots of mobile optimised css and javascript components.

Native like performance and beautifully designed
Inspiration

Because they strongly believe HTML5 would rule on mobile over time, exactly as it has on the desktop.

Why

- Native Focused
- Performance Obsessed
  - Hardware accelerated animations
  - Minimal DOM Manipulation
  - Remove 300ms tap delay
- Plain old CSS
- Sass
  - 80+ reusable mixins
- Boilerplate app structure ready for customization
- Preconfigured tools: Gulp, Sass, Bower, etc.

Prerequisites Before starting

Knowledge

- AngularJS (UI router, custom directives, $scope and controllers)
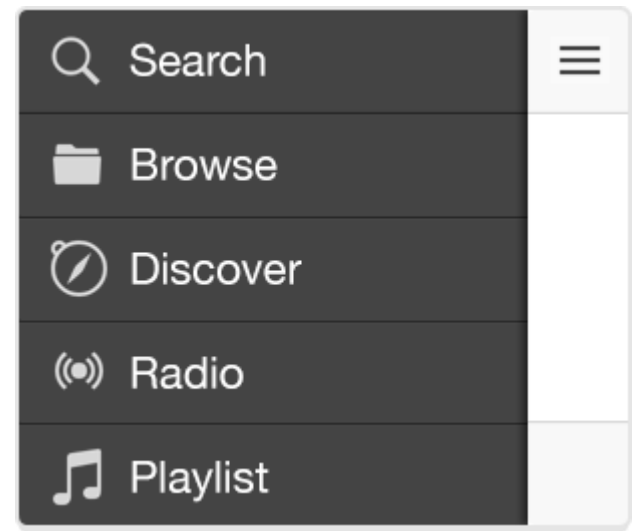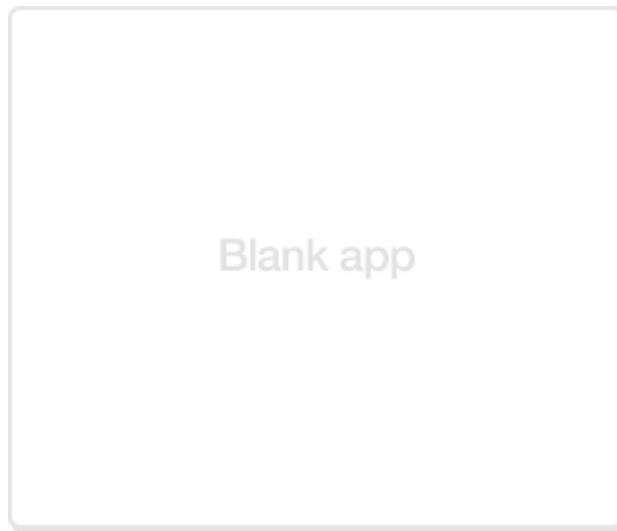- Phonegap
- Sass (optional)

Other

- NodeJS

Getting started / Install

```
$ npm install -g cordova ionic
```

Getting started / Create

$ ionic start myApp [blank | tabs | sidemenu]

Blank app

Header

🏠 ⭐ ⚙

🔍 Search ☰

📁 Browse

🧭 Discover

((•)) Radio

🎵 Playlist

Getting started / See

$ ionic serve [--lab]

CLI

Common cli commands from cordova

$ ionic platform add [android | ios]
$ ionic platform emulate [android | ios]
$ ionic platform build [android | ios]

Components

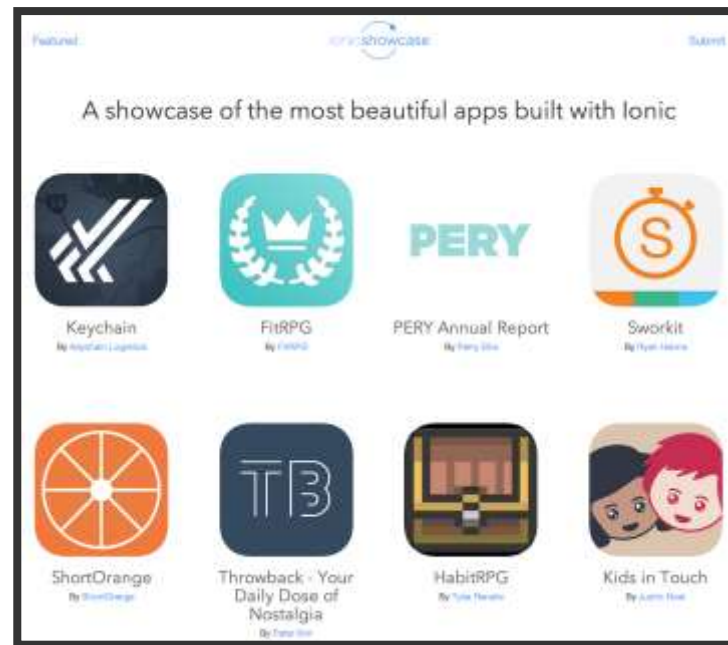[ionic CSS components](#)

Components

ionic JS components

Demo

https://github.com/shyjal/First-ionic-app

http://codepen.io/ionic/public-list/

Showcase

Ionic Showcase

showcase.ionicframework.com

Platform access

ngCordova

- Cordova with the power of angularJS

- A collection of 63+ AngularJS extensions on top of the Cordova API that make it easy to build, test, and deploy Cordova mobile apps with AngularJS.

Tools and extras

[ionicons](#)

[ionicview](#)

Ionic crosswalk integration

[ionic creator](#)

Thank you