

Thanks & intro, XactAnalysis Mobile web app, limits and goals

Dev background: AngularJS? iOS dev? Android dev? Firebase?

Ionic Concepts

Ionic is:

- Cross-platform app framework – *one code base!*
- UI Library (Apple-y on iOS, and Android-y on Android)
- Dev & Build & Test Tools
- Performant
- Leverages native widgets & features via Phonegap/Cordova
- Creator
- Community
- MIT License, free for commercial use
- Plug-ins for *everything!*
- App Showcase
- Market
- Playground (like plunkr)

MVC – Model View Controller (& Router)

- HTML templates (view) are displayed in `<div ui-view></div>` in `index.html`
- Controllers are paired with Templates for needed data and user interaction
- Services* provide data access and logic (model)

Show sample index.html, template, controller, service

Directory structure*

- ~~All one file?~~ It's all HTML, javascript, css
<https://github.com/dolthead/ionic-angularjs-kitchensink>

Better Sample Directory Structure

- index.html
 - css
 - style.css
 - templates
 - welcome.html
 - chats.html
 - settings.html
 - js
 - app.js
 - controllers
 - WelcomeController.js
 - ChatsController.js
 - SettingsController.js
 - services
 - UserService.js
 - ChatService.js
 - SettingsService.js

Ionic Getting Started

Install **NodeJS 4** (not 5) from nodejs.org

Install **Ionic & Cordova CLI**

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

Start a project from a starter

```
ionic start myAppName tabs
```

Change to app directory

```
cd myAppName
```

Launch app with Ionic server

```
ionic serve --lab
```

(We only made it this far in the Meetup)

More Ionic Features

```
ionic upload  
ionic share person@gmail.com
```

Ionic View (app for sharing/previewing Ionic apps)
(requires free <https://ionic.io> account)

```
ionic resources
```

```
ionic build ios  
ionic emulate ios
```

(requires Xcode & Xcode command-line tools)

Note: deploying your app to the app store requires \$99/year Apple dev license

```
ionic build android  
ionic emulate android
```

(requires ADK)

Note: deploying to the play store requires \$25 one-time Android dev license

Creator <https://creator.ionic.io/>

Icons <http://ionicons.com/> - notice and use the search box

Showcase <http://showcase.ionicframework.com>



Ionic Firebase Starter

Downloadable (work in progress)

<https://github.com/dolthead/firebooklogin>

Basic Firebase setup is quick.

Firebase Auth setup is a bit more involved, requires developer accounts for facebook, google, twitter, etc. But it is SO WORTH IT!

Firebase Authentication Docs

<https://www.firebase.com/docs/web/guide/user-auth.html>

AngularFire Docs

<https://www.firebase.com/docs/web/libraries/angular/>

Learn More

<http://appcamp.io/> - Excellent! Interactive, like codeschool.com

<http://learn.ionicframework.com/>

YouTube, Blogs: <http://mcgivery.com/100-ionic-framework-resources/>

\$\$ great AngularJS, Ionic, Firebase courses: Pluralsight, Codeschool, Udemy, Lynda, Devdactic, Thinkster, Egghead.io