

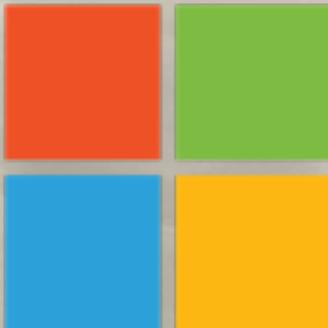


Isn't It Ionic?

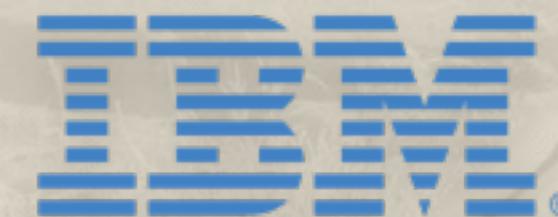
Building faster Cordova/PhoneGap applications with
the Ionic Framework

Matthew Ridley

@matt_ridley



Microsoft



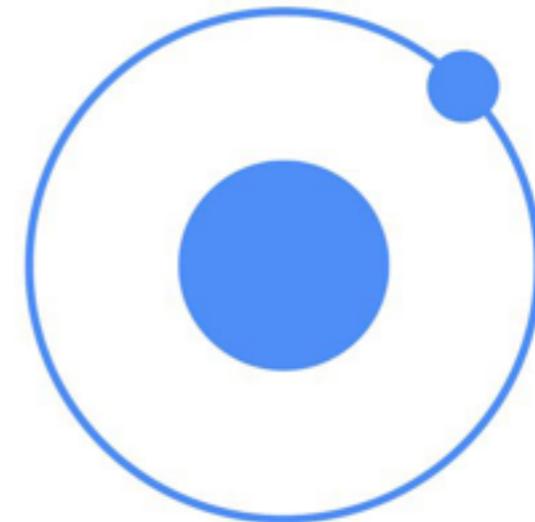
Who Is This Guy???

- Matthew Ridley
- @matt_ridley
- Co-Owner of Cheetah Software LLC
<http://cheetah-software.com>
- Experience Writing Apps for Polaris,
Foot Locker and Champs Sports and
more.



The Goal

Explain why Ionic is my
SDK of choice for building
mobile applications.

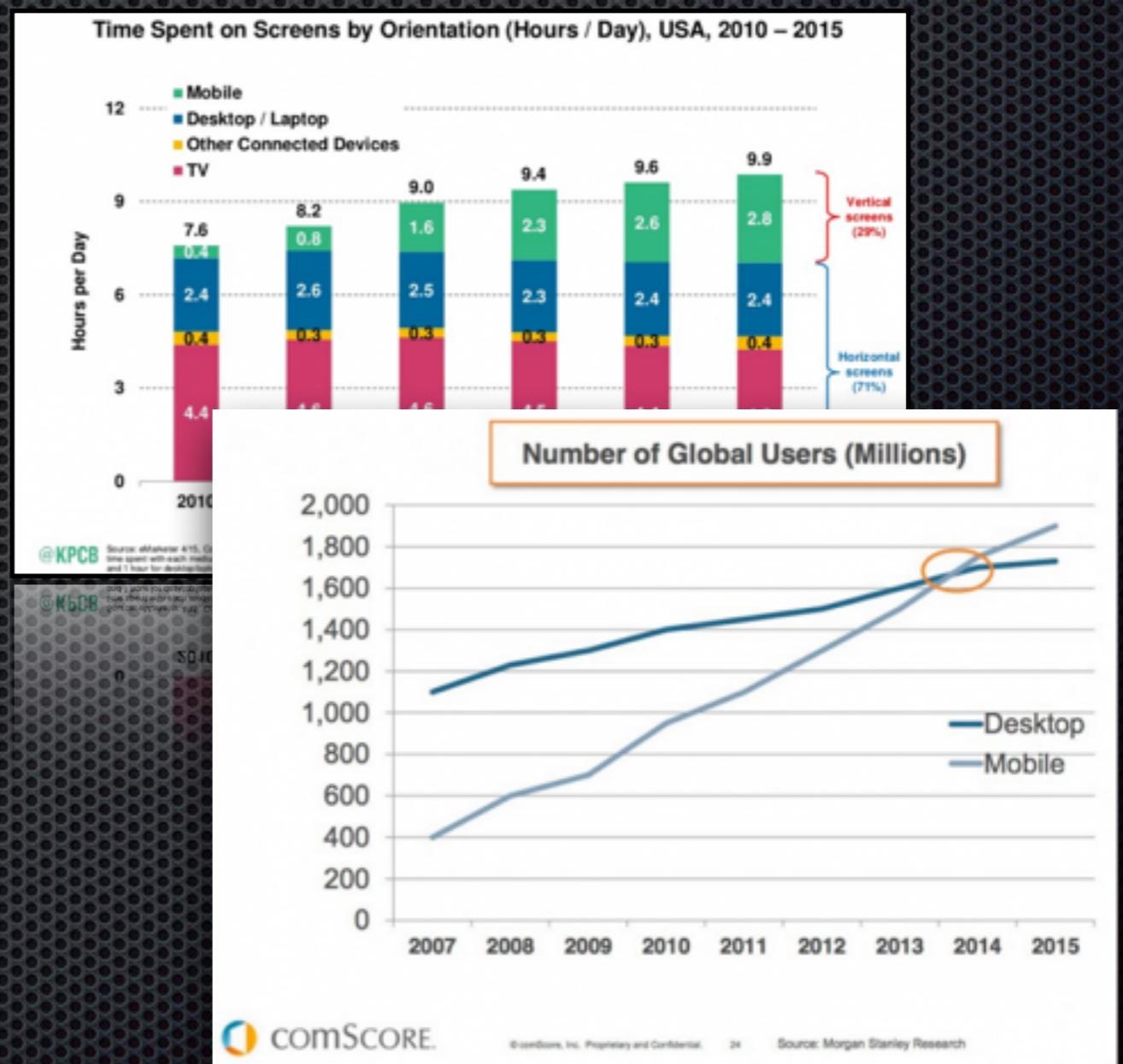


ionic



The World Is Going Mobile

- 1994: IBM releases first smartphone
- 2007: First iPhone
- 2008: Android 1.0 Released
- 2014: Mobile use passes desktop use
- July 2015:
 - 1.6 Million Android Apps
 - 1.5 Million iOS Apps



Going Native



PROs

- Can utilize all of the OS and Hardware functionality
- Usually better performance

CONS

- Expensive
- Requires large or multiple teams to support each platform
- Virtually no shared code or assets
- Costs increase per platform
- OS Version fragmentation can cause headaches (even on iOS!)



Going Hybrid (The Old Way)



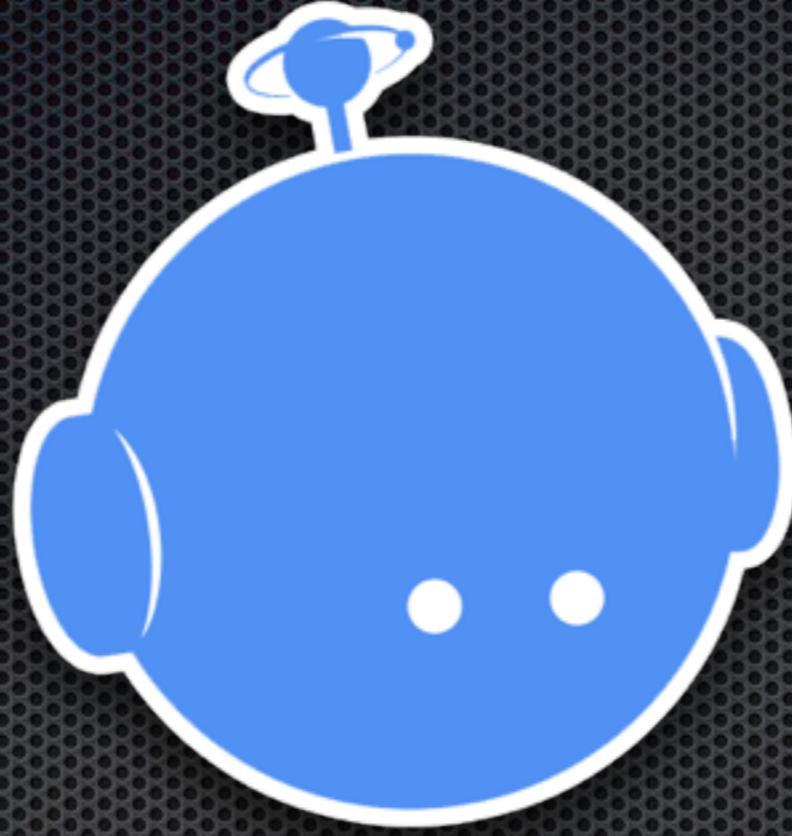
PROs

- Low cost point to add additional platforms
- Shared Code
- Does not require OS specific knowledge (most of the time)
- Strong community of free plug-ins

CONS

- Can be hard to access and use OS and Hardware features
- Can appear sluggish (especially on older hardware)
- Hard to Prevent the “Looks like a Website”
- Non-Native look for one or more platforms





And then there was Ionic... and it was good.
(Really Good)



Meet Ionic

- Mobile Hybrid SDK
- Extends Cordova
- 400,000+ Apps Created Through Ionic-CLI
- Release History
 - Alpha - Nov 2013
 - Beta - March 2014
 - Version 1.0 - May 2015



Use What You Know

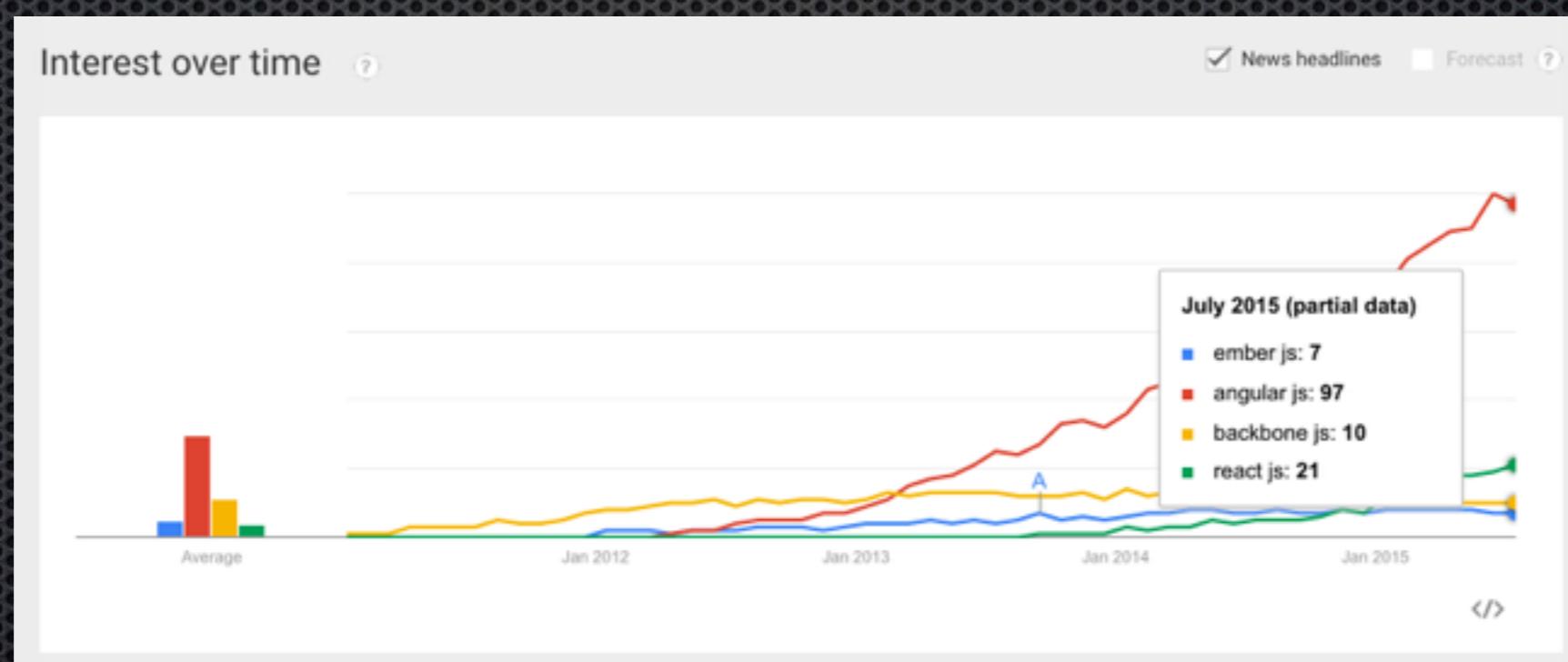
- 20+ Years of Tools and Technology
- Your favorite IDE, text editor and debugger tools
- Share code with your website
- Allow a web-heavy development group resources to be used on mobile work



AngularJS!

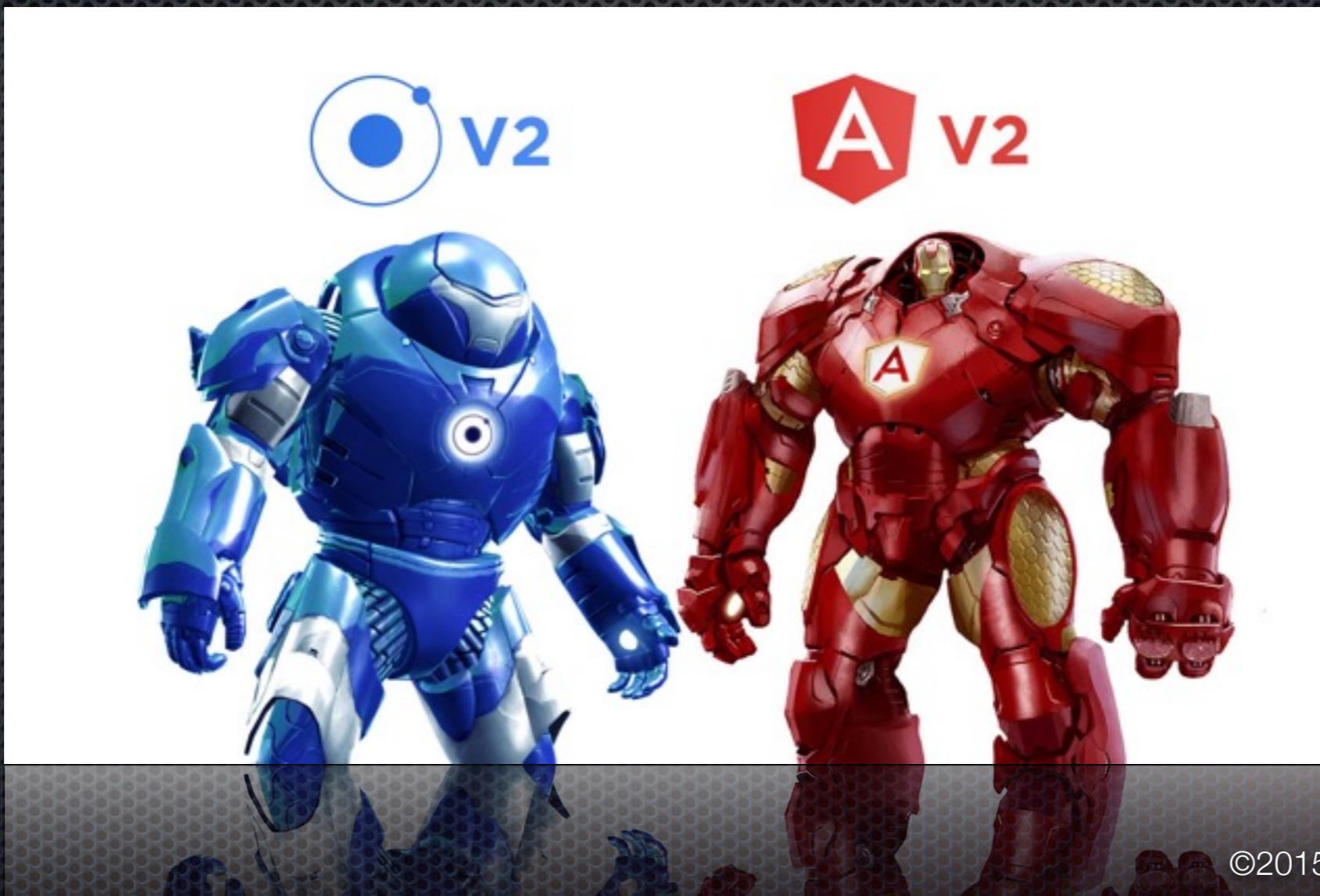
- Most popular JS framework
- MVC
- Unit Testing Ready
- And More...

<http://www.sitepoint.com/10-reasons-use-angularjs/>



What About AngularJS 2.0???

- Ionic has you covered there too!
- Ionic v2.0 and Angular v2.0 will release the same day



SASS!!! (or SASS????)

- Power Your CSS with Sass
- Still can use Less or plain CSS3 if you want.



And More Stuff!

- Resource Construction
- iOS vs. Android Rendering
- Live Debugging
- Hardware Accelerated Animations
- Ionicons
- Templates, Tools and Components

... all ready to go from the start!



How Does It Work?

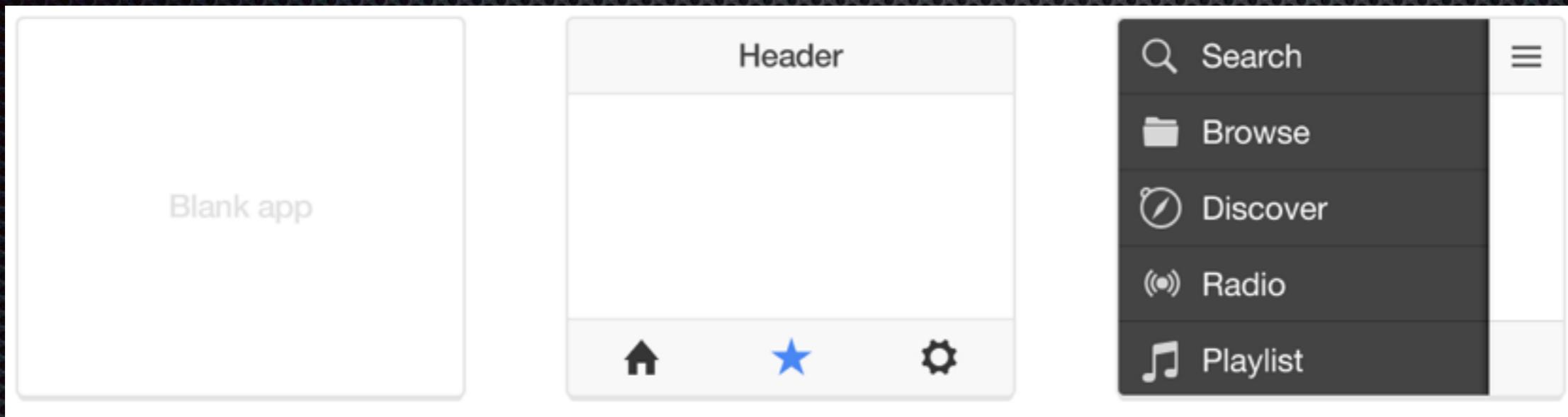




Ionic In Action *(What's In The Box?)*



Ionic Start



```
$ ionic start myApp blank  
$ ionic start myApp tabs  
$ ionic start myApp sidemenu
```

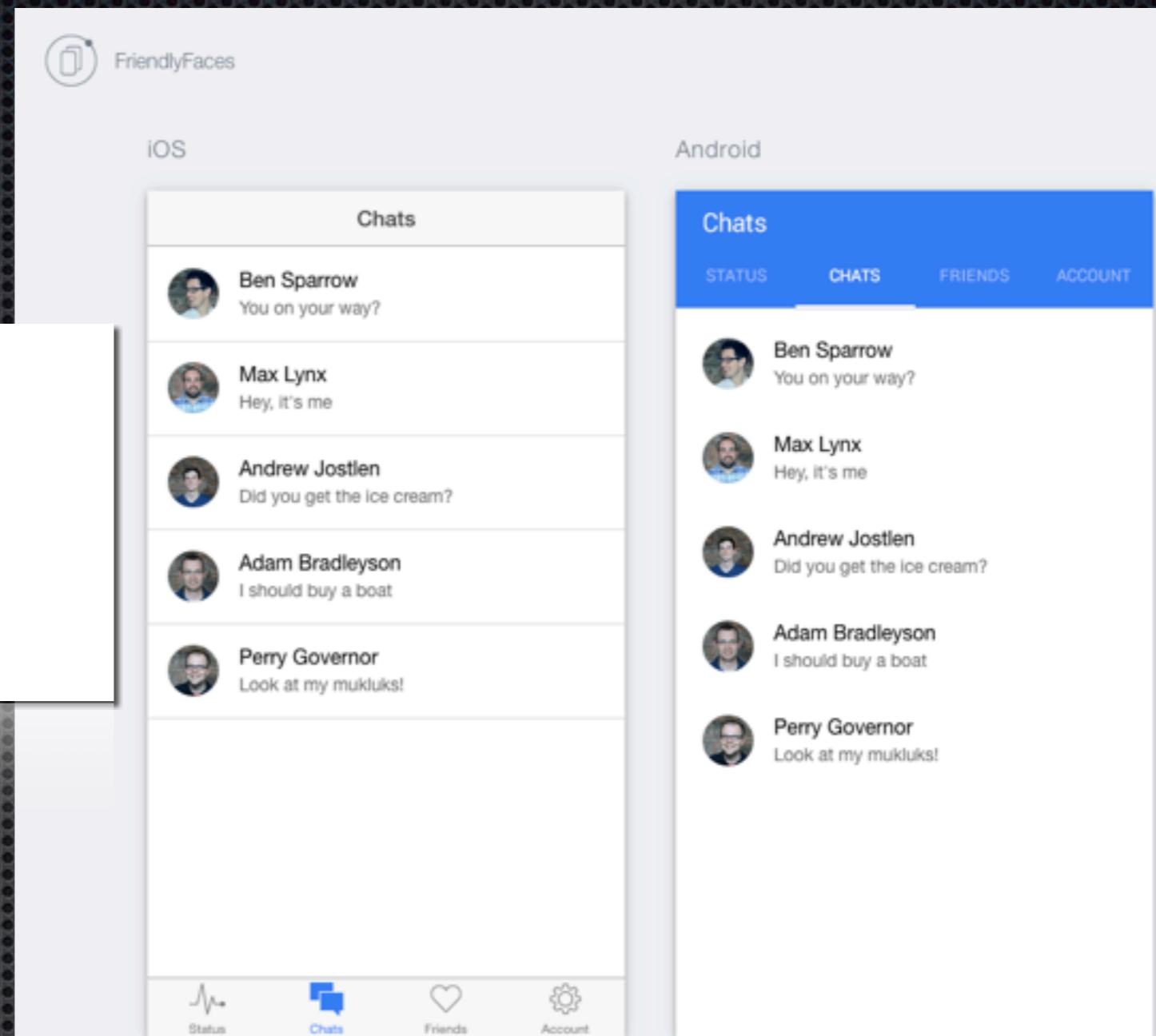
↳ TO THE SOURCE CODE DIRECTORY

- Start your application with a blank slide, or fully functional navigation.
- Find more templates on GitHub. Good resource:

<http://ionicframework.com/docs/cli/start.html>



Ionic Lab

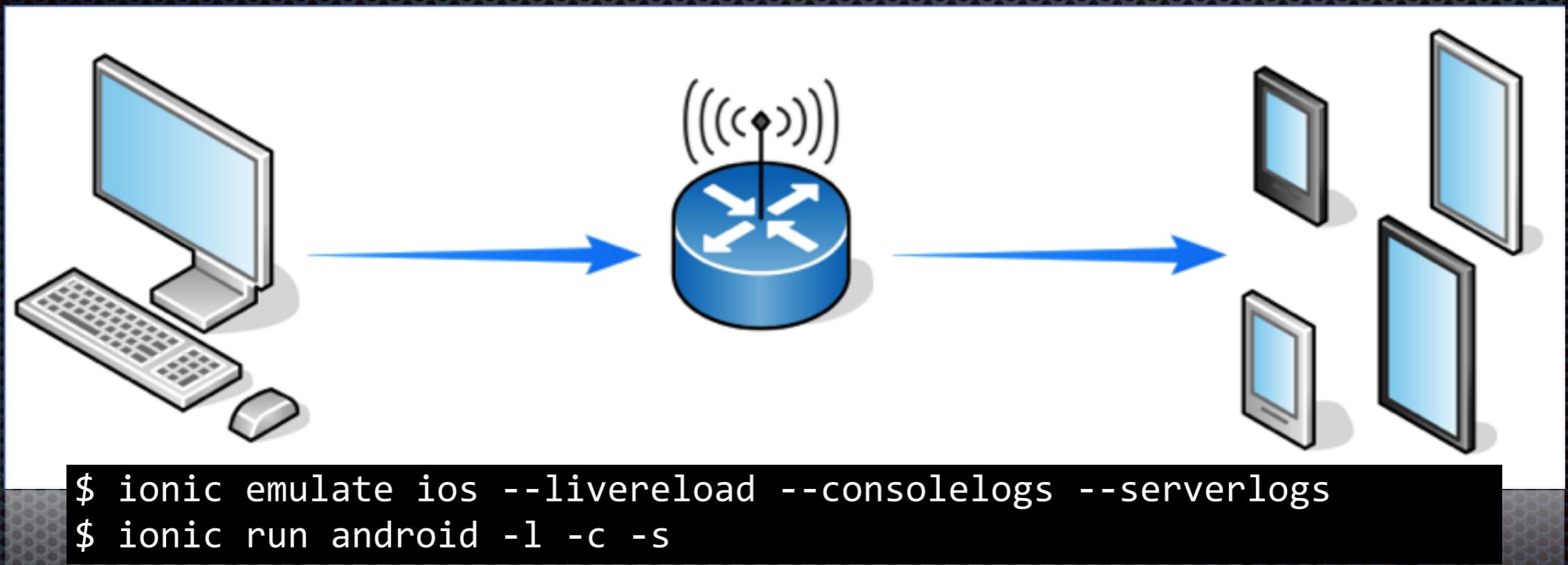
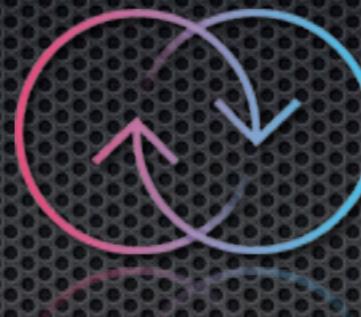


```
$ ionic serve --lab
```

- View your changes instantly with both Android and iOS views.



Ionic LiveReload



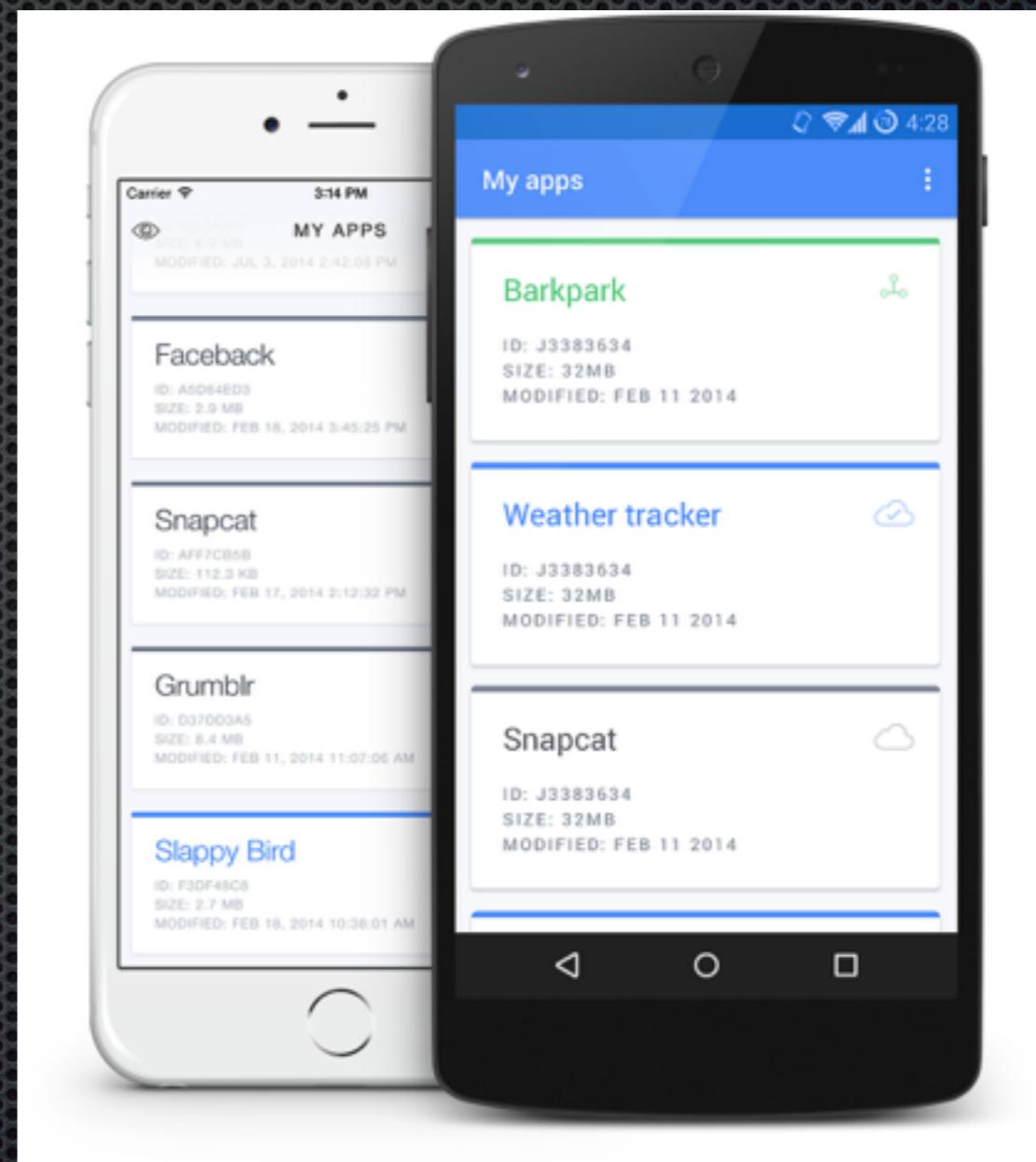
- Run or Emulates on your device(s) with live updating
- Great for testing



Ionic ViewApp

- Push app to user devices without waiting for the stores.
- Allows testers to reset app data and exit the app whenever they need.
- Only basic level of plugin support.

```
$ ionic upload
```



Ionic Resources



```
$ ionic resources  
$ ionic resources --icon  
$ ionic resources --splash
```

```
↳ TO THE RESOURCES -- SPLASH
```

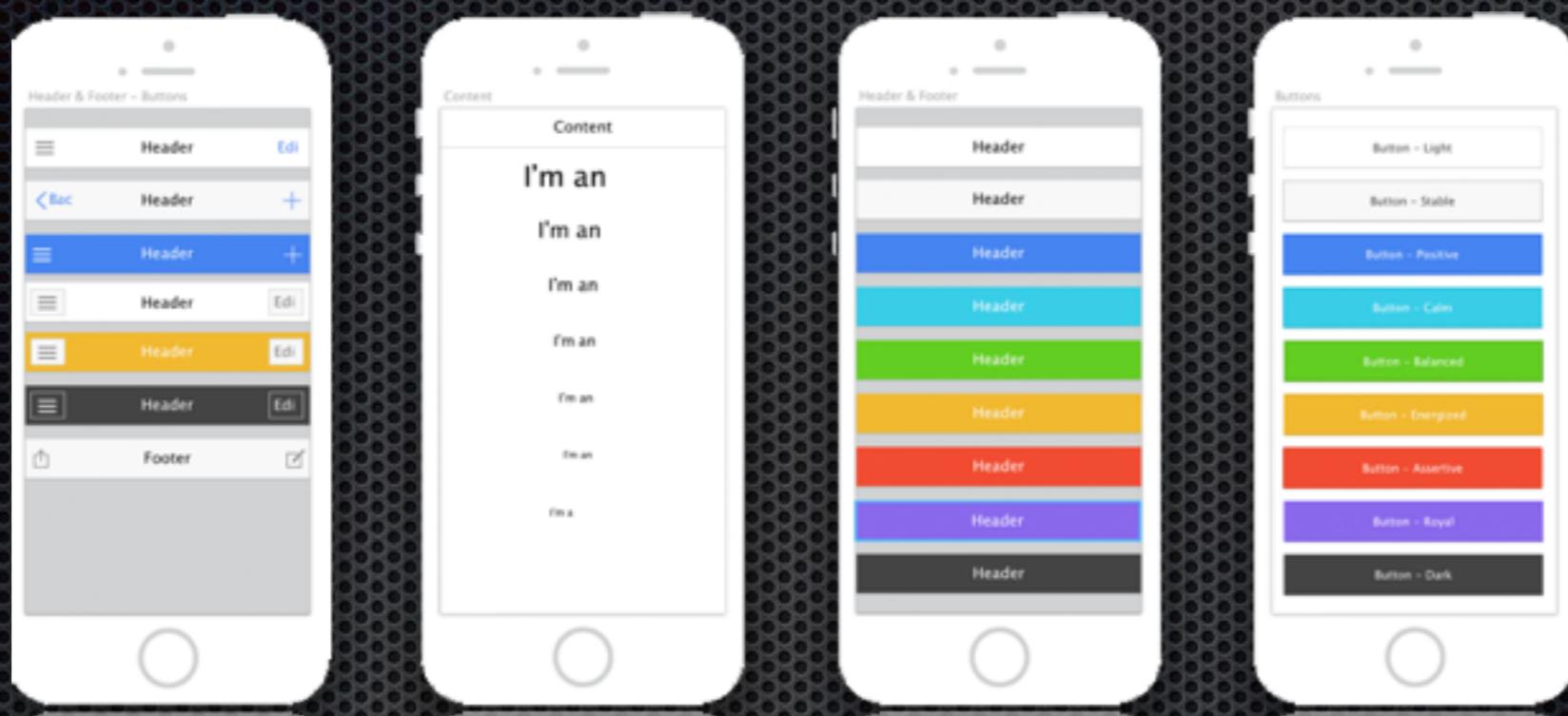
- Create all of your icons and splash screens from single source
 - Splash Screen: 2208px x 2208px
 - Icon: 192px x 192px



Ionicons

- 700+ Font Icons for mobile that are all 100% Free and Open Source. MIT Licensed





Ionic Components *(Let's Build An App)*



More Ionic

- [Getting Started Guide](#)
ionicframework.com/getting-started
- [Documentation](#)
ionicframework.com/docs
- [Ionic Community](#)
FORUMS: forum.ionicframework.com
SLACK: ionic-worldwide.slack.com
- [Meet Ups](#)
MADISON: meetup.com/Ionic-Madison/
- [Contribute on GitHub](#)
github.com/driftyco/ionic
- [Smarter, Better Ionic](#)
<http://mhartington.io/effective-ionic/>
- [Ionic Tutorials/Blog](#)
<http://www.gajotres.net/>



Thank You!!! Questions???



- You can access this presentation and app code here
<https://github.com/cheetahsoft/TC2015-Ionic-Presentation>

