



Isn't It Ionic?

Building Cordova/PhoneGap applications faster with
the Ionic Framework

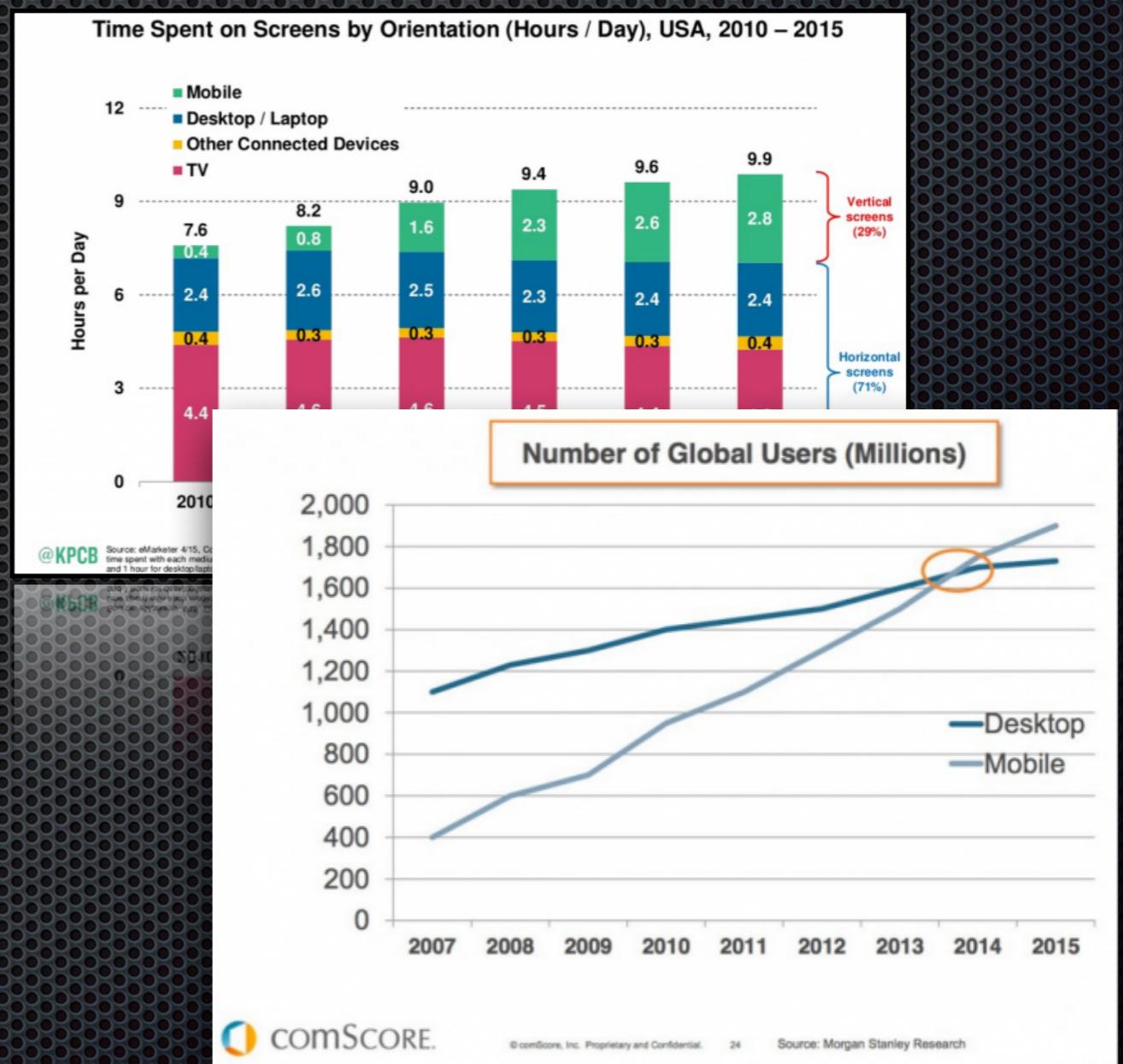
Who Is This Guy???

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

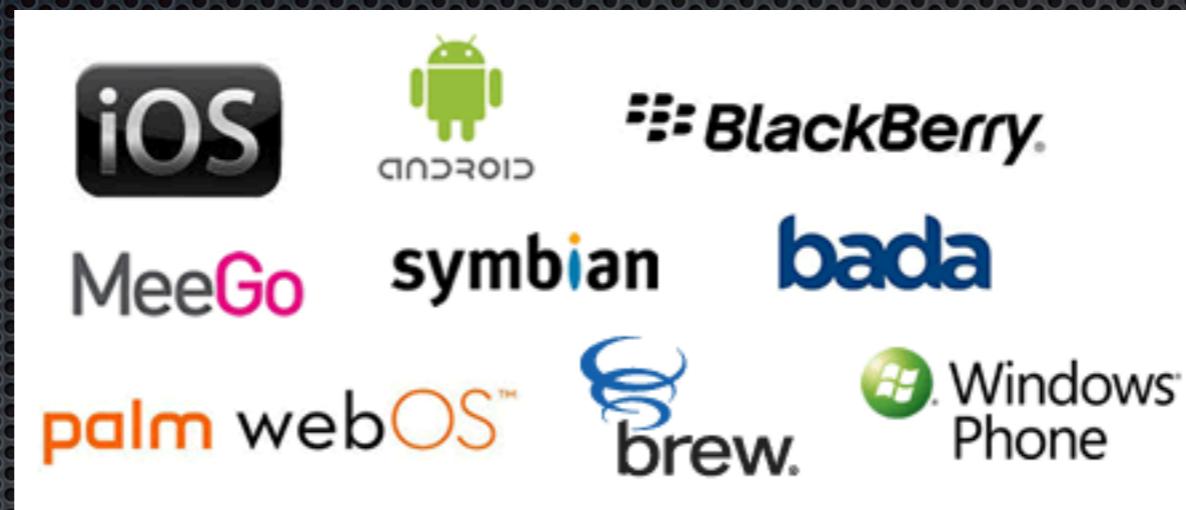


The World Is Going Mobile

- 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 Versions can cause headaches (even on iOS!)



Going Hybrid (The Old Way)



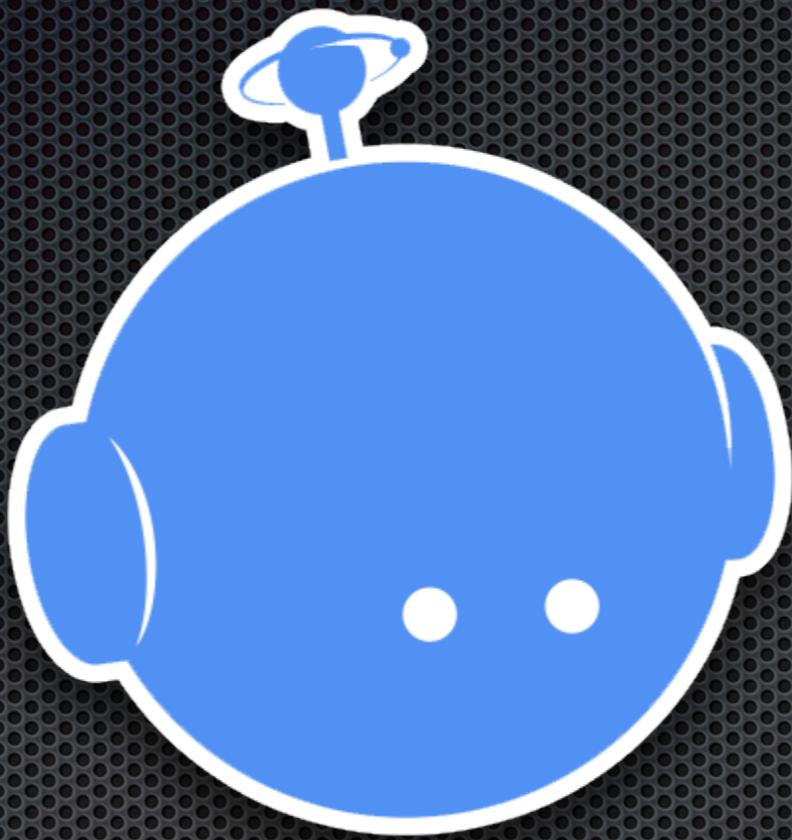
PROs

- Low cost point to add additional platforms
- Shared Code
- Does not require OS specific knowledge most of the time

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
- 1,000,000+ Apps Created Through Ionic-CLI
- Release History
 - Alpha - Nov 2013
 - Beta - March 2014
 - Version 1.0 - May 2015



Use What You Know

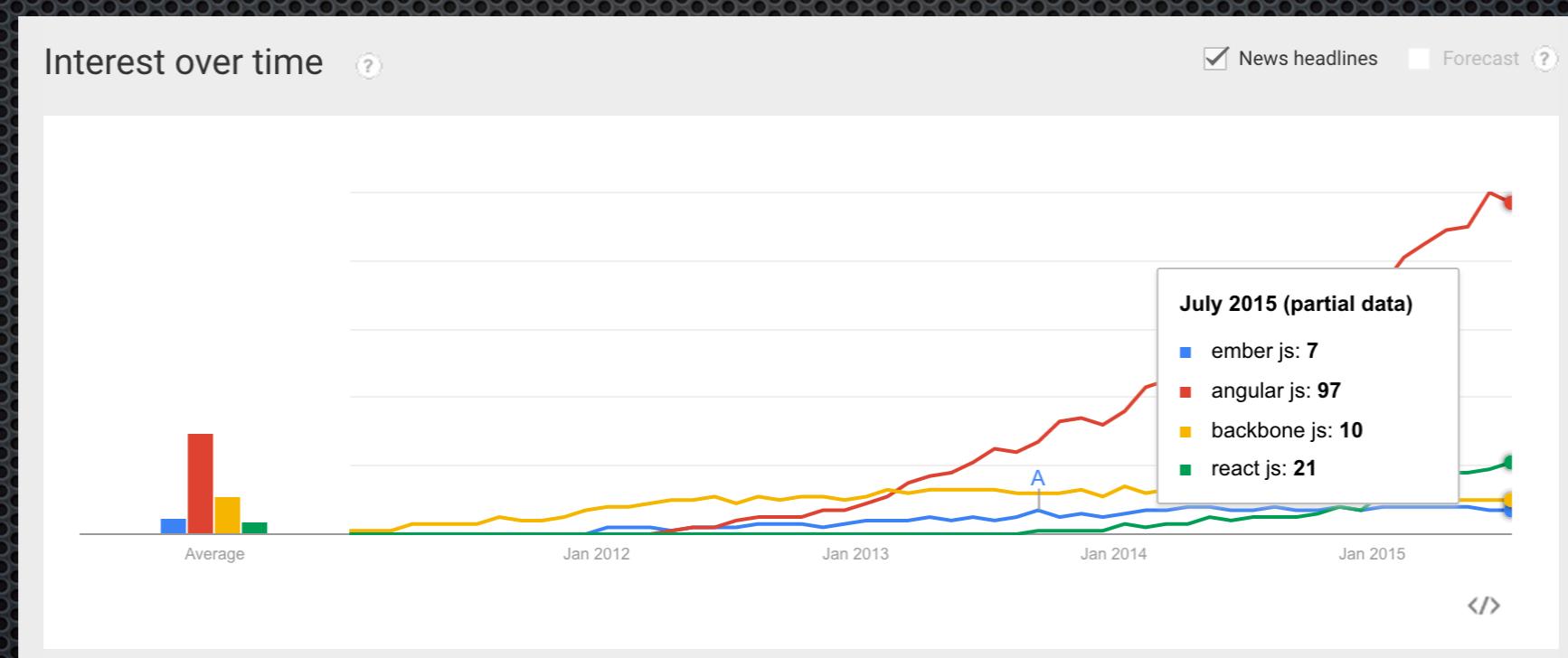
- 20+ Years of Tools and Technology
- Your favorite IDE, text editor and debugger tools
- Share code with your website
- Allows a web-heavy development group resources to be used on mobile work



AngularJS!

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

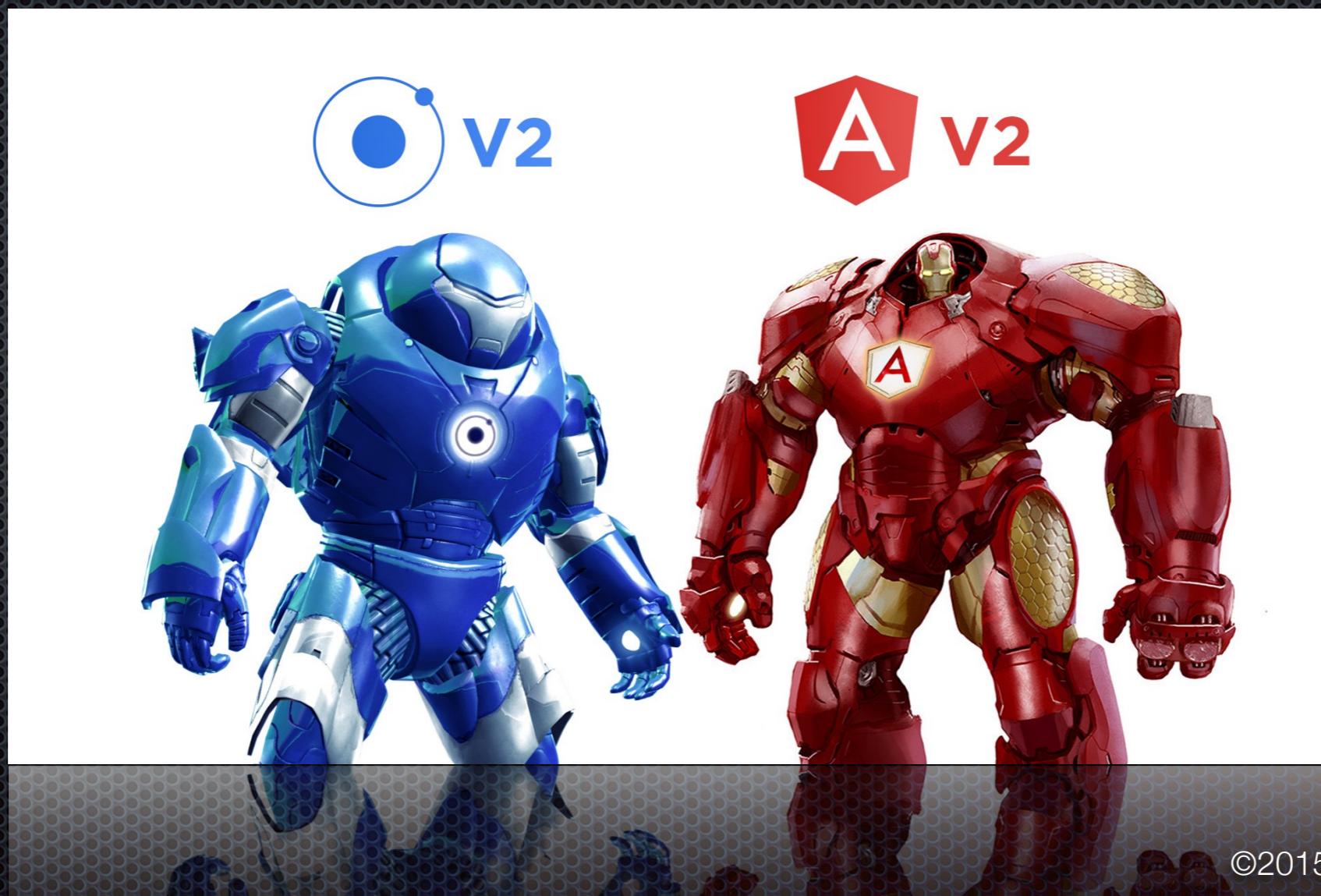
<http://www.sitepoint.com/10-reasons-use-angularjs/>



source: <http://bit.ly/1H7ID3b>

What About AngularJS 2.0???

- Ionic v2.0 and Angular v2.0 will release the same day
- Ionic Team is less than 6 hours behind Angular team releases
- Public Alpha released Monday (October 19):
 - <http://blog.ionic.io/announcing-ionic-2-0-alpha/>



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

- Power Your CSS with Sass
- Still can use Less or plain CSS3 if you want.
- Next version of Bootstrap will be in Sass



And More Stuff!

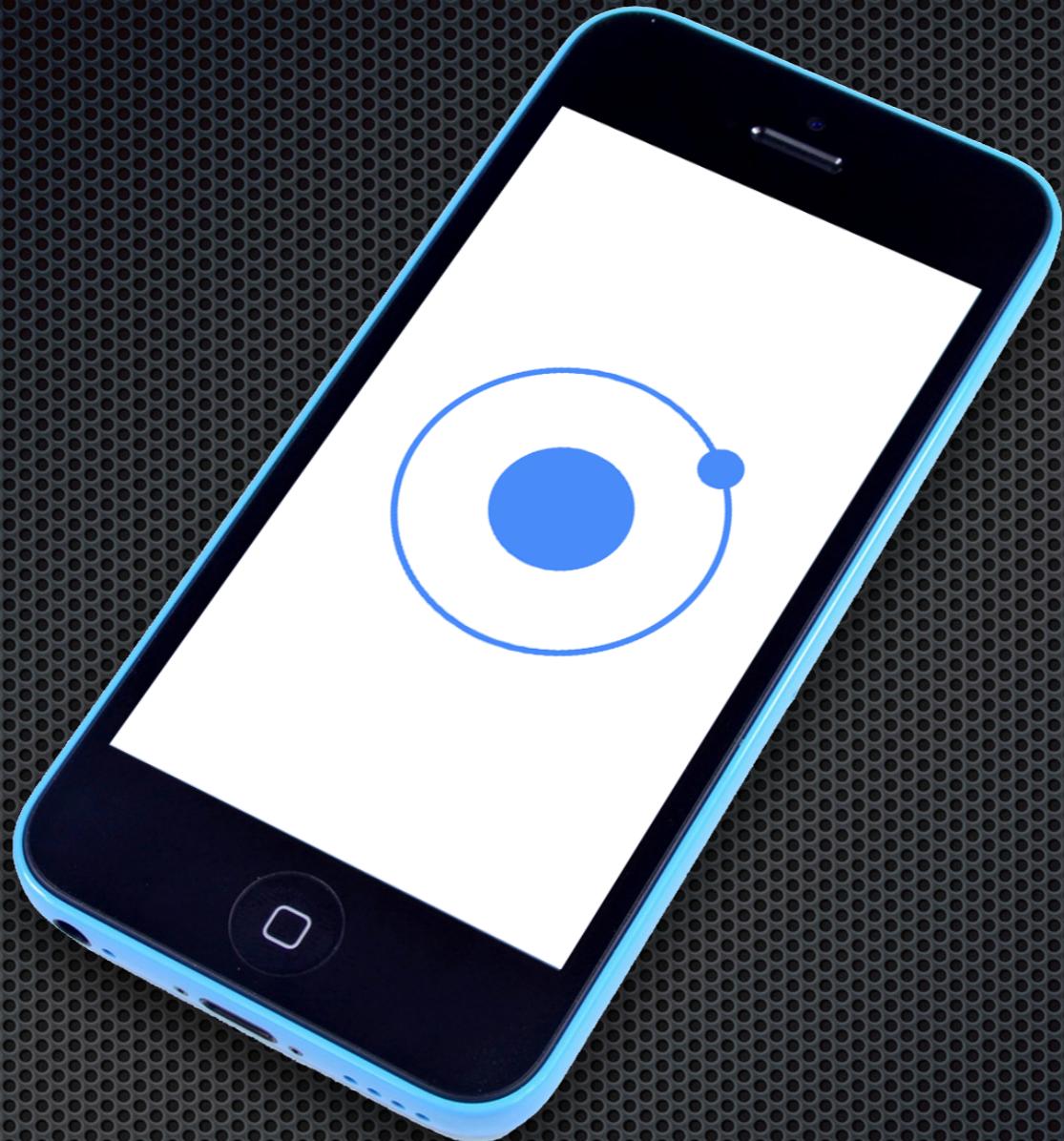
- Resource Construction
- iOS vs. Android Rendering
- Live Debugging
- Hardware Accelerated Animations
- Ionicons
- Templates, Tools and Components

... all ready to go from the start!



How Does It Work?

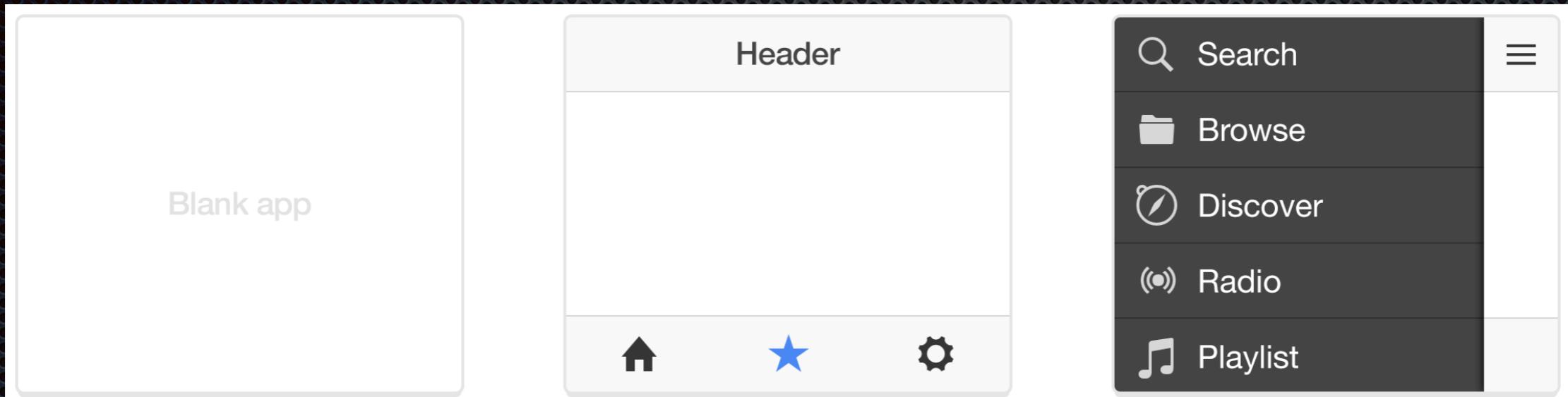




Ionic In Action *(What's In The Box?)*



Ionic Start



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

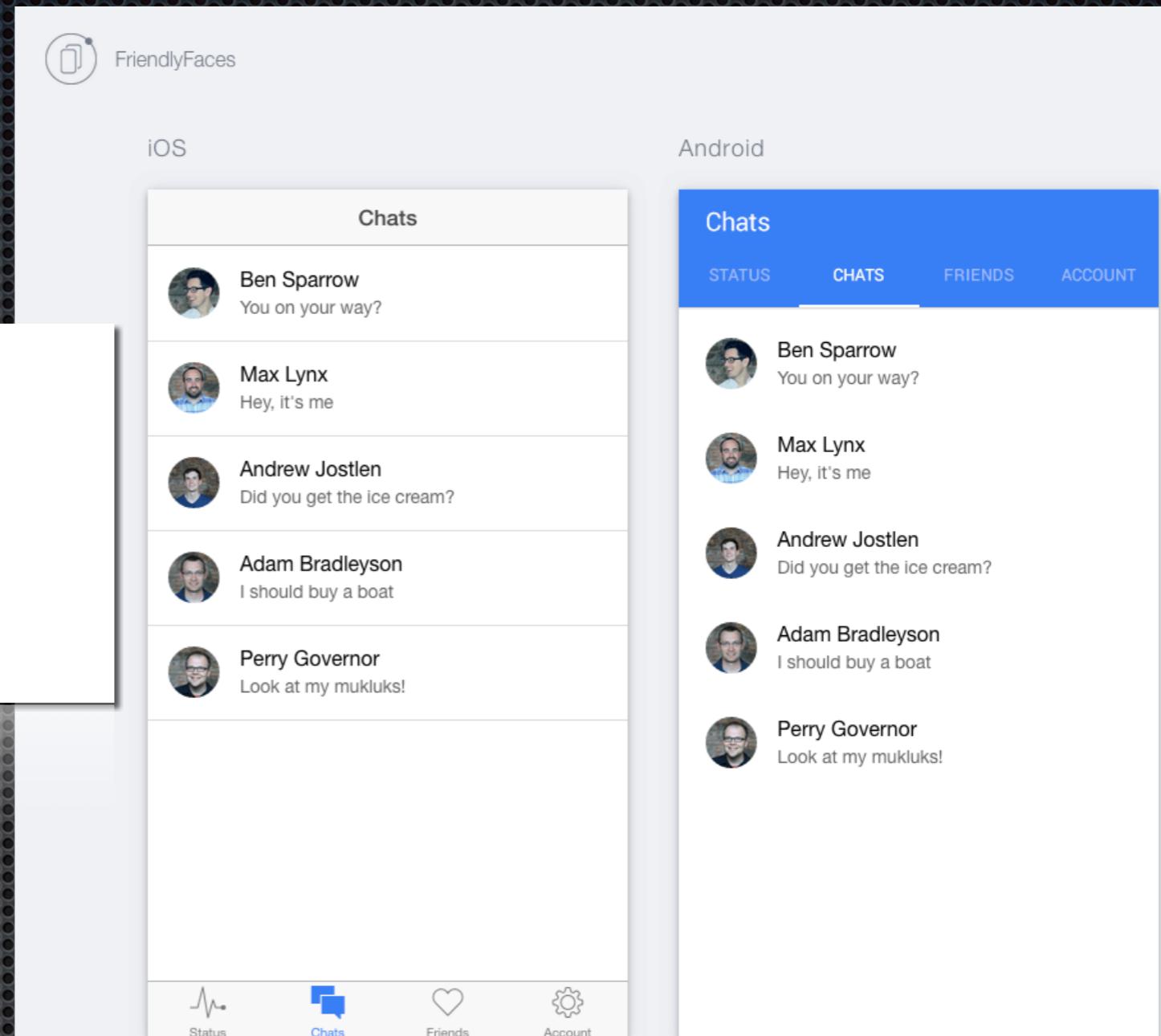
↳ TOUCS accus uLvh aTASGmua

- 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

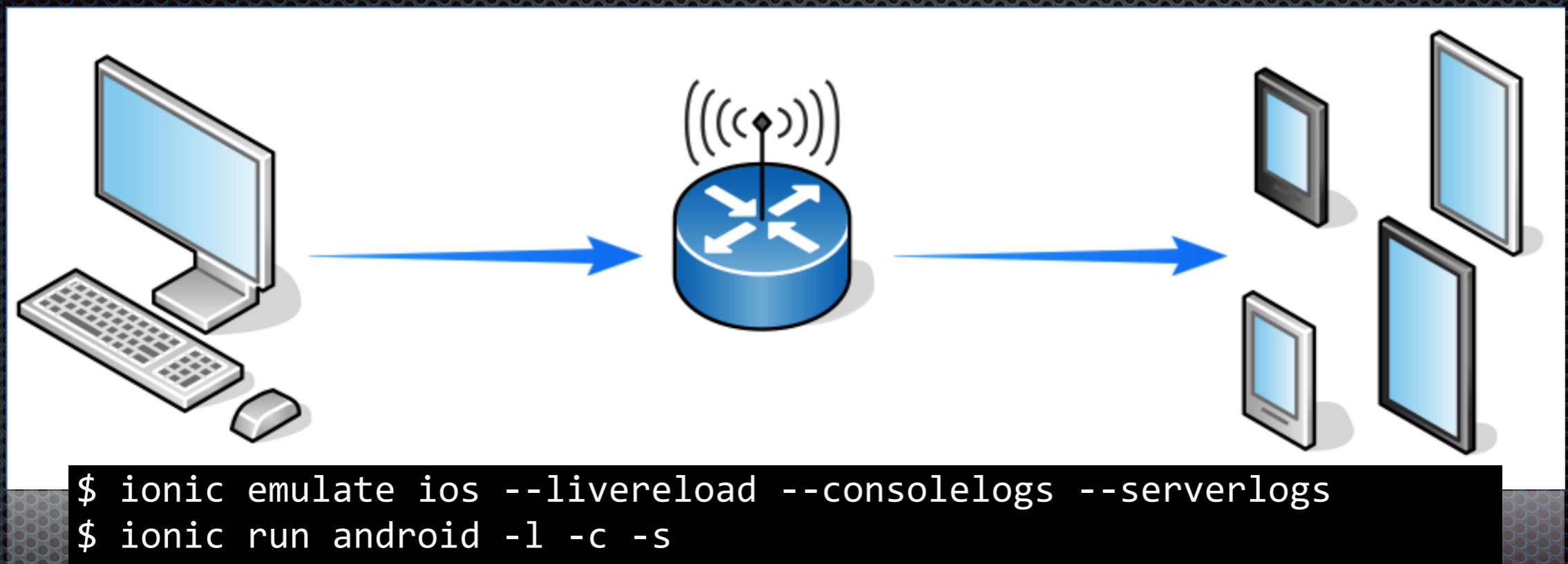
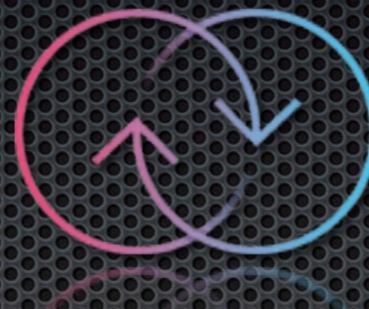


```
$ ionic serve --lab
```

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



Ionic LiveReload

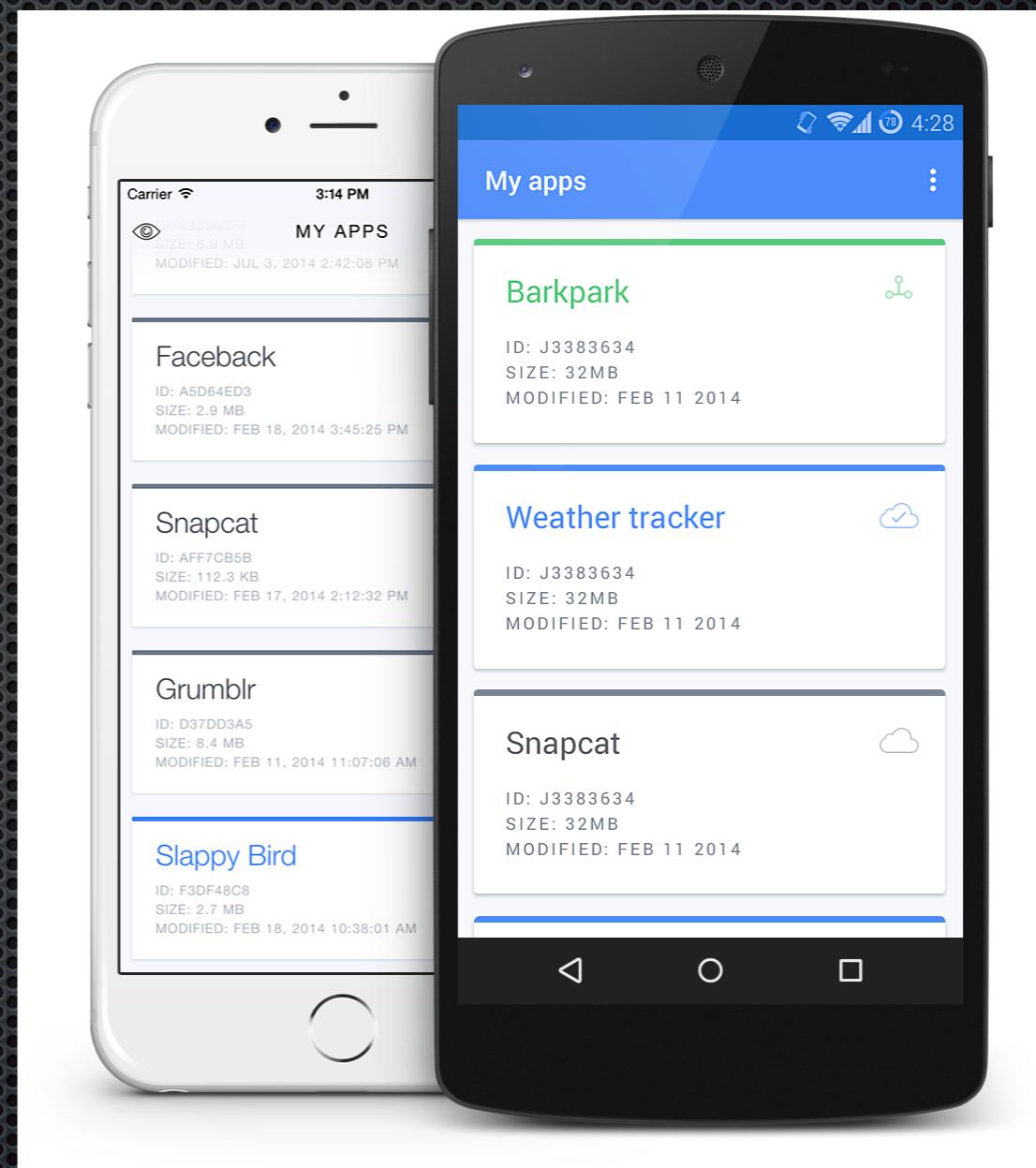


- Run or Emulates on your device(s) with live updating
- Great for testing



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 Resources



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

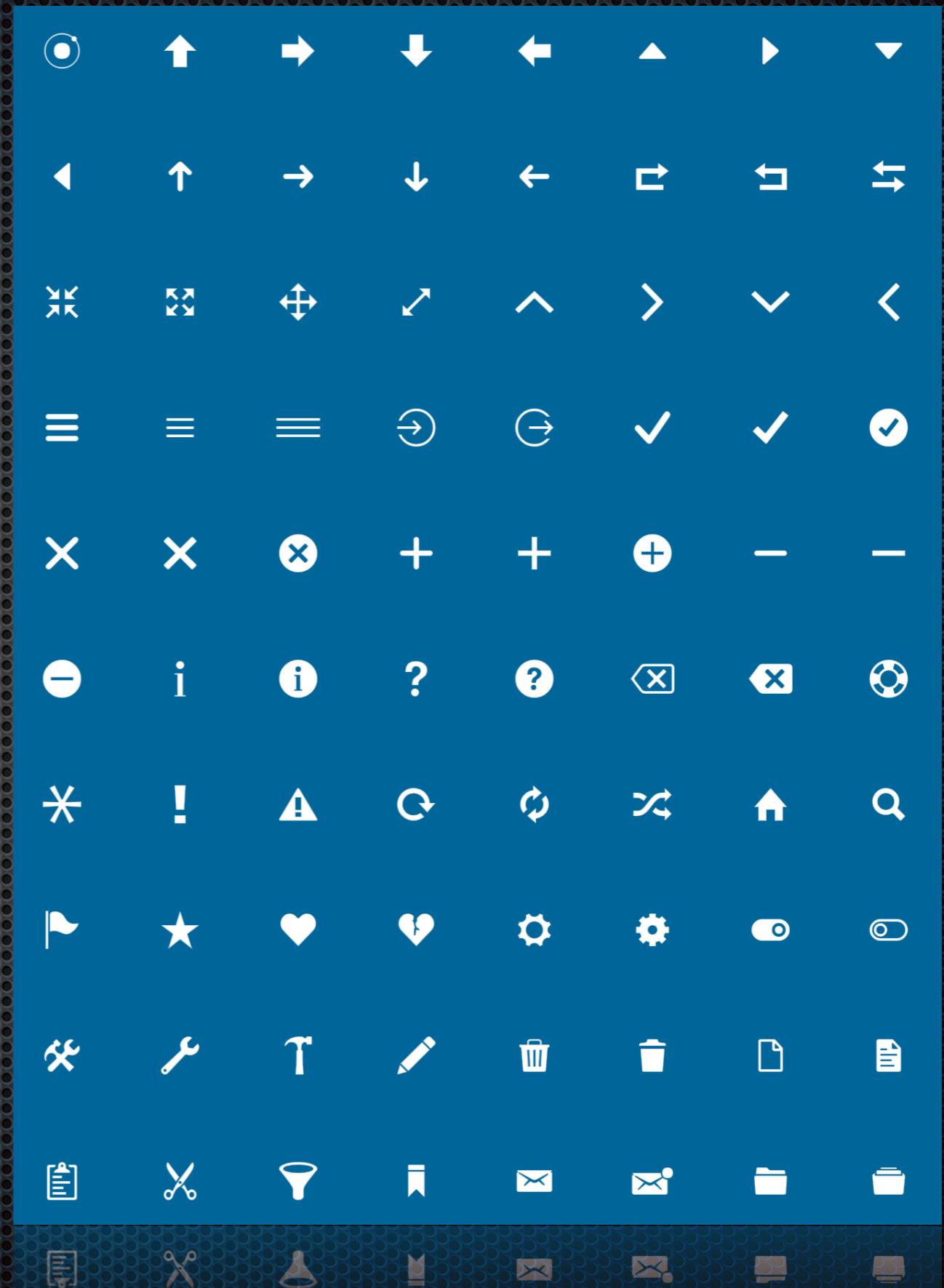
↳ TO THE LECTURE NOTES

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

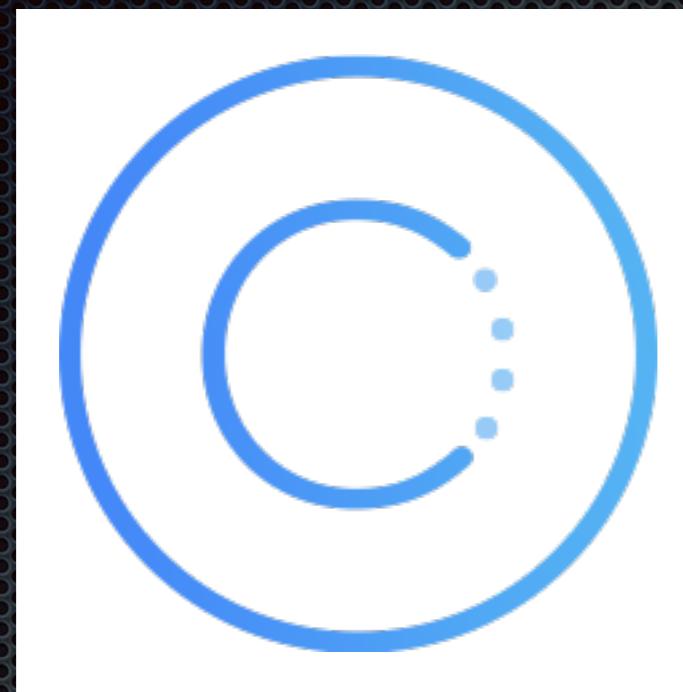


Ionicons

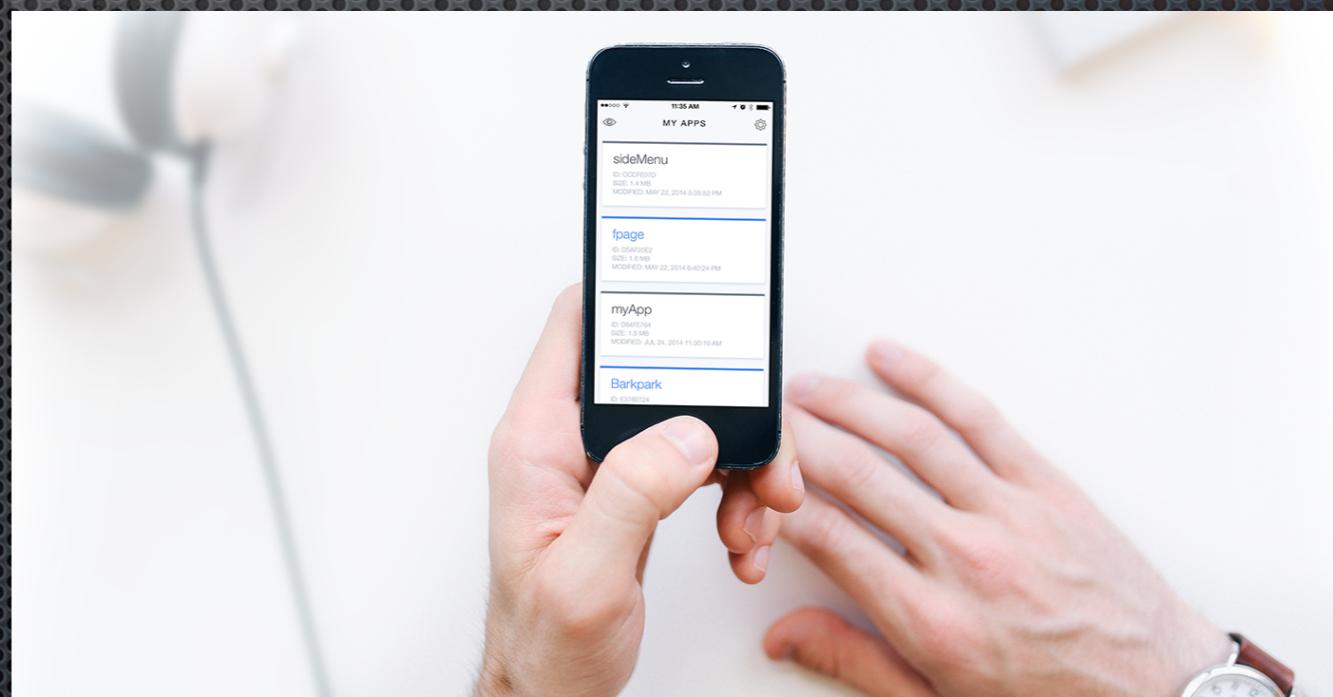
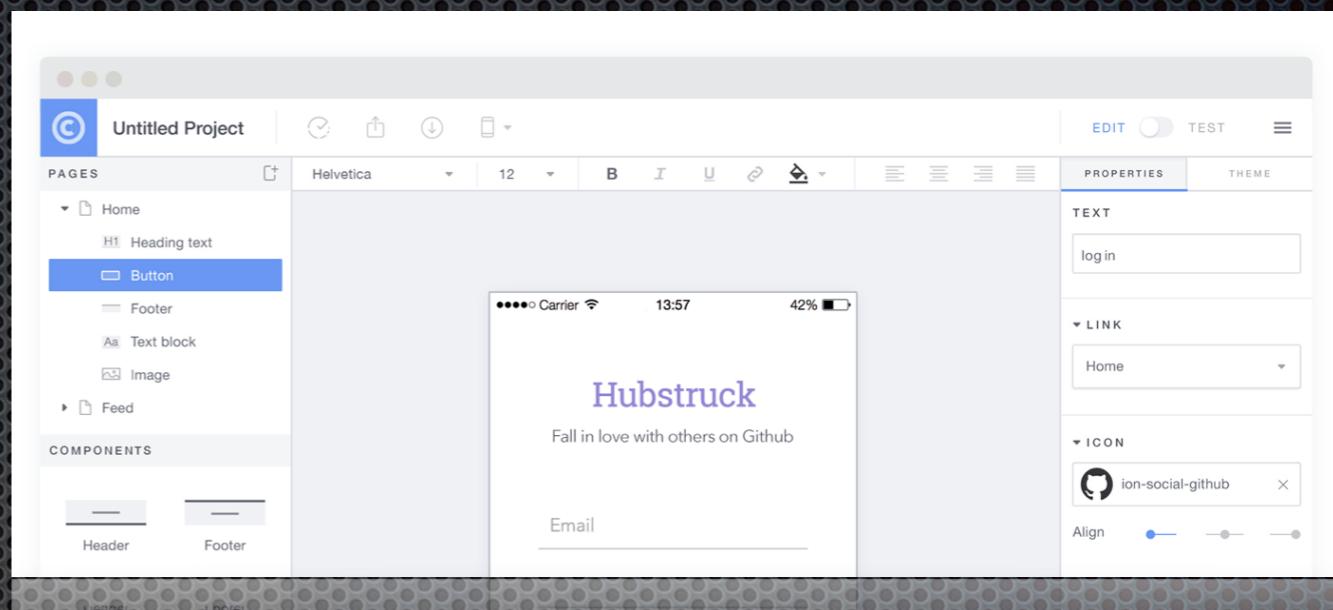
- 700+ Font Icons for mobile that are all 100% Free and Open Source. MIT Licensed.



Ionic Creator



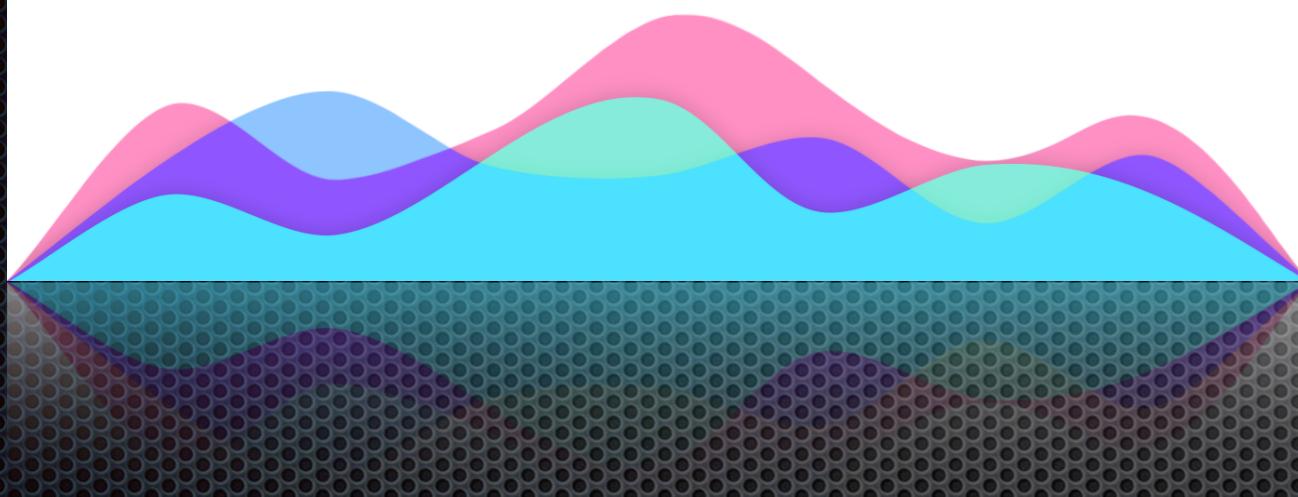
- <https://creator.ionic.io/app/login>
- Recently Updated to Version 1.1
- GUI Interface for Creating App
- Easy to Share
- Exports to Great Looking Code



More All The Time.....



ionicanalytics



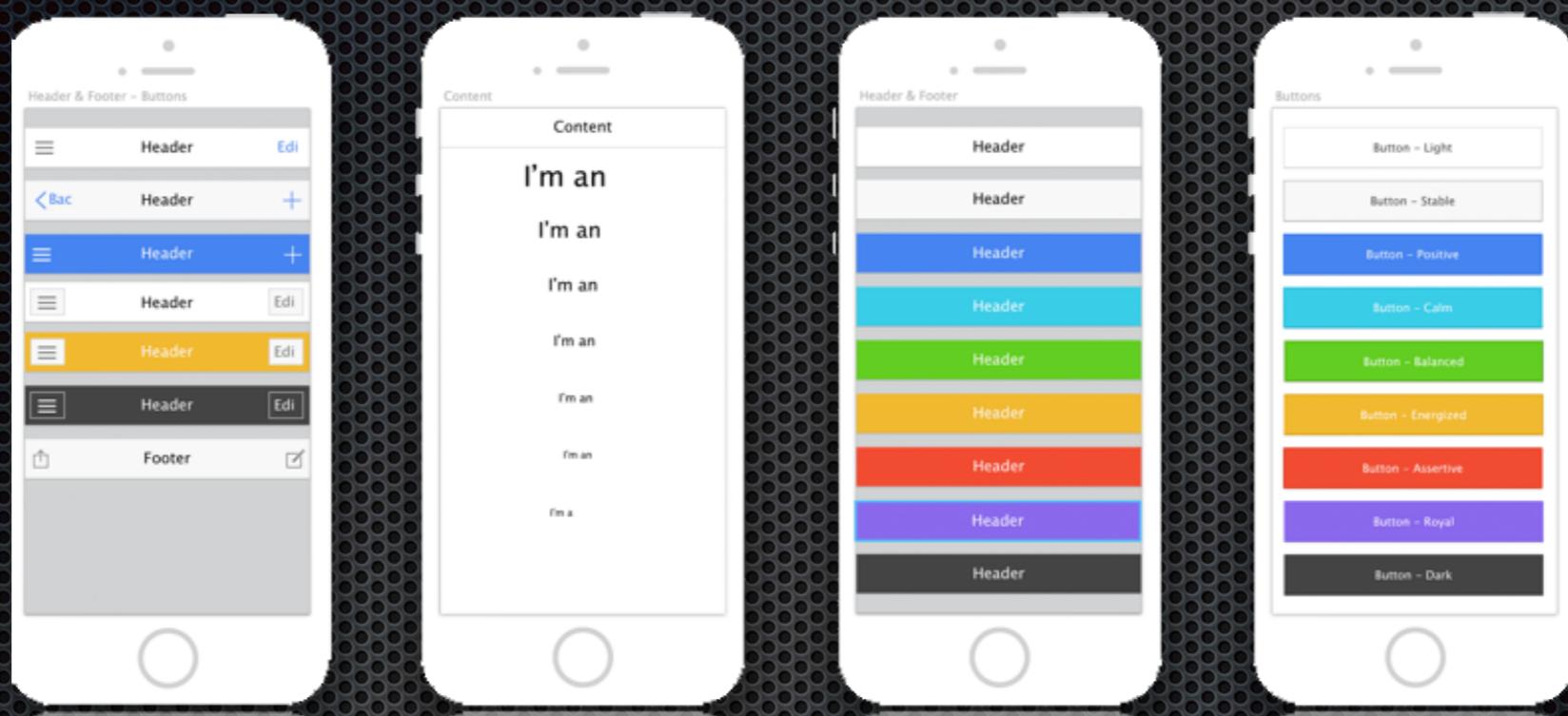
ionicdeploy



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





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



Thank You!!! Questions???



- You can access this presentation and app code here
https://github.com/cheetahsoft/2015_NEWAITP_Ionic

