



Isn't It Ionic?

Building mobile applications faster with the Ionic Framework
Matthew Ridley (@matt_ridley)



Milwaukee Code Camp 2015

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The logo features the word "that" in a red, cursive, sans-serif font. A thick red arrow points from the top right towards the end of the "t". To the right of "that" are three dark brown pine tree icons. To the right of the trees is a dark brown mountain icon with a "TM" symbol at its peak. Below "that" is the word "CONFERENCE" in large, bold, dark brown capital letters. Underneath "CONFERENCE" is the text "summer camp for geeks" in a dark brown, lowercase, sans-serif font.

#that CONFERENCE

summer camp for geeks

August 8th – 10th 2016

Kalahari Resort, Wisconsin Dells

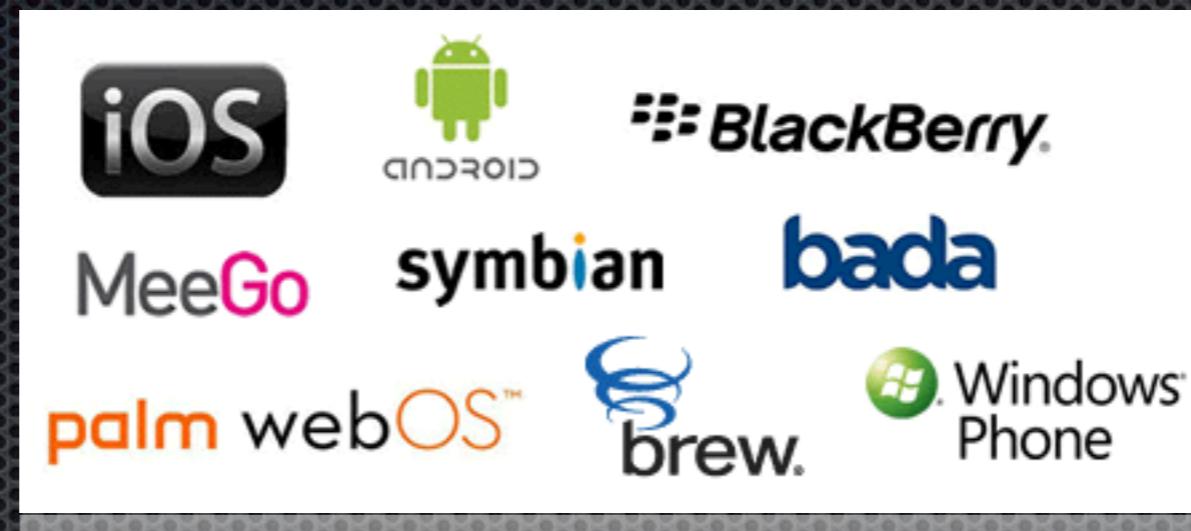
<http://www.ThatConference.com>

Who Is This Guy???

- Matthew Ridley
- @matt_ridley
- Co-Owner of Milk Can LLC
<http://milkcan.io>
- Experience Writing Apps for:
 - Alliance Laundry Systems
 - Polaris
 - Foot Locker
 - ... and more



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)



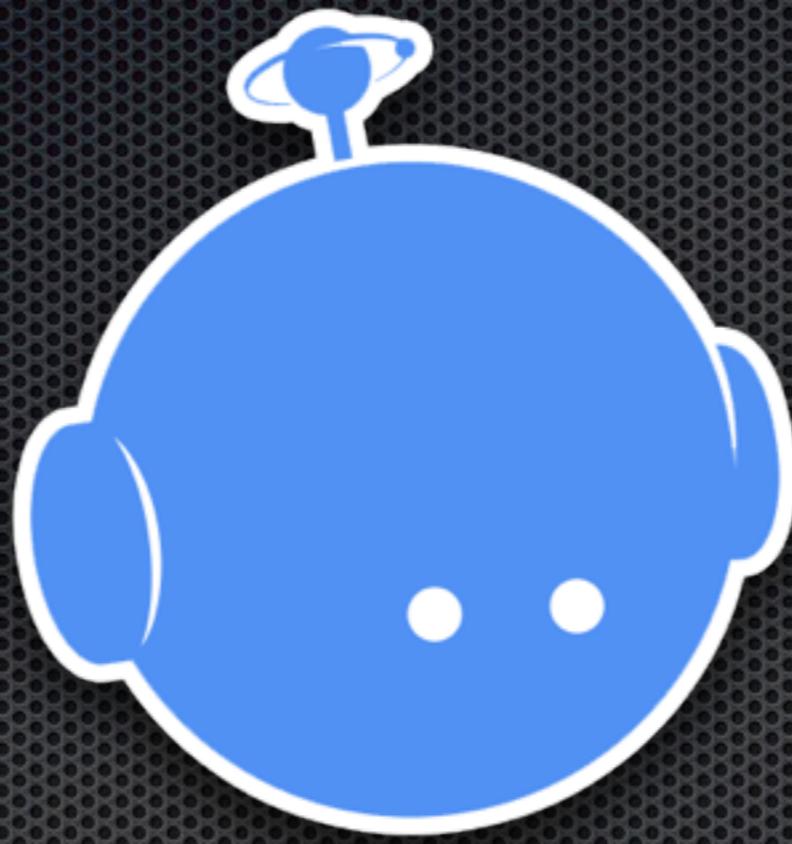
PROs

- 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





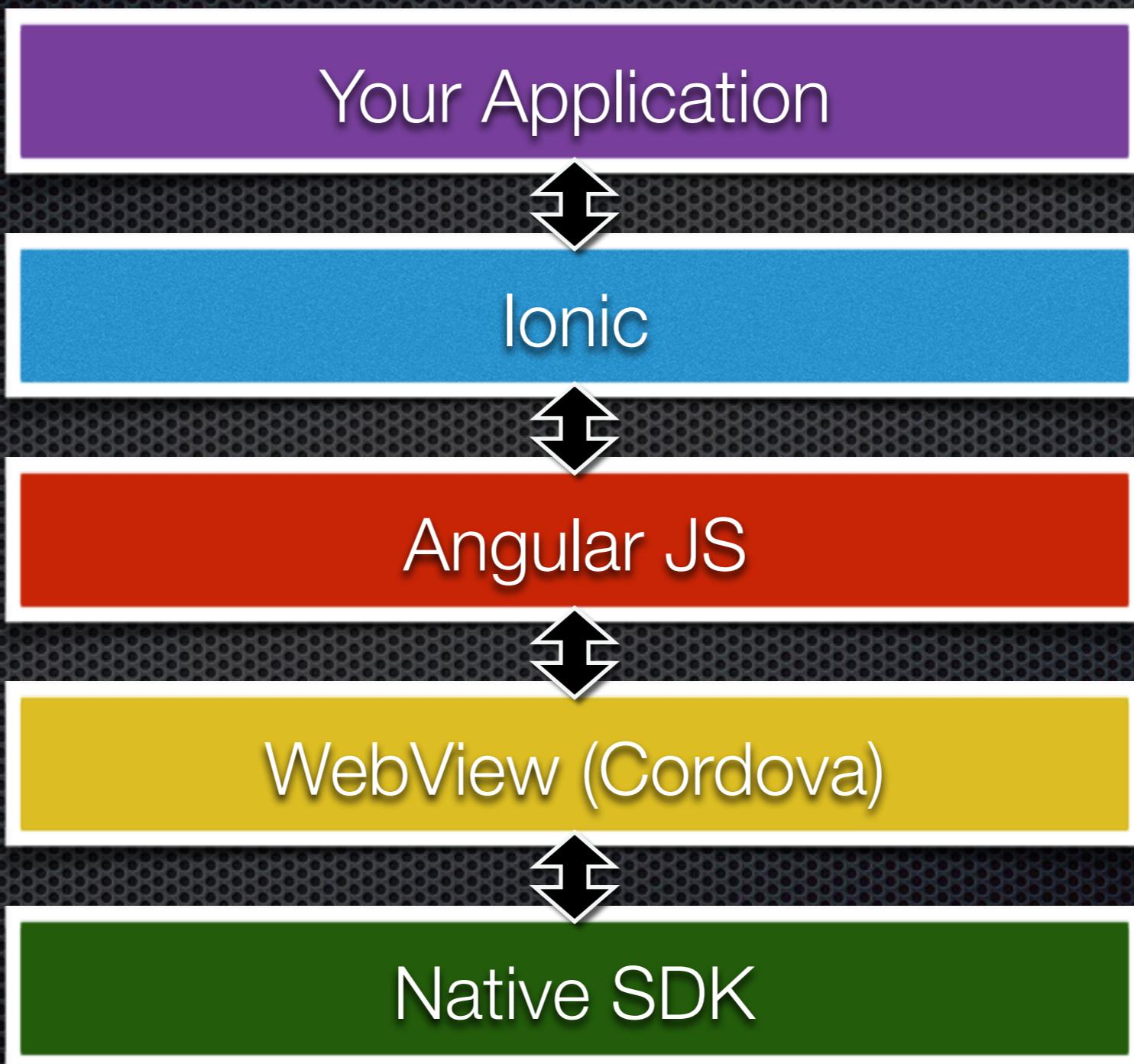
And then there was Ionic... and it was good.
(Really Good)

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
 - Currently on version 1.1



How Does It Work?



Use What You Know

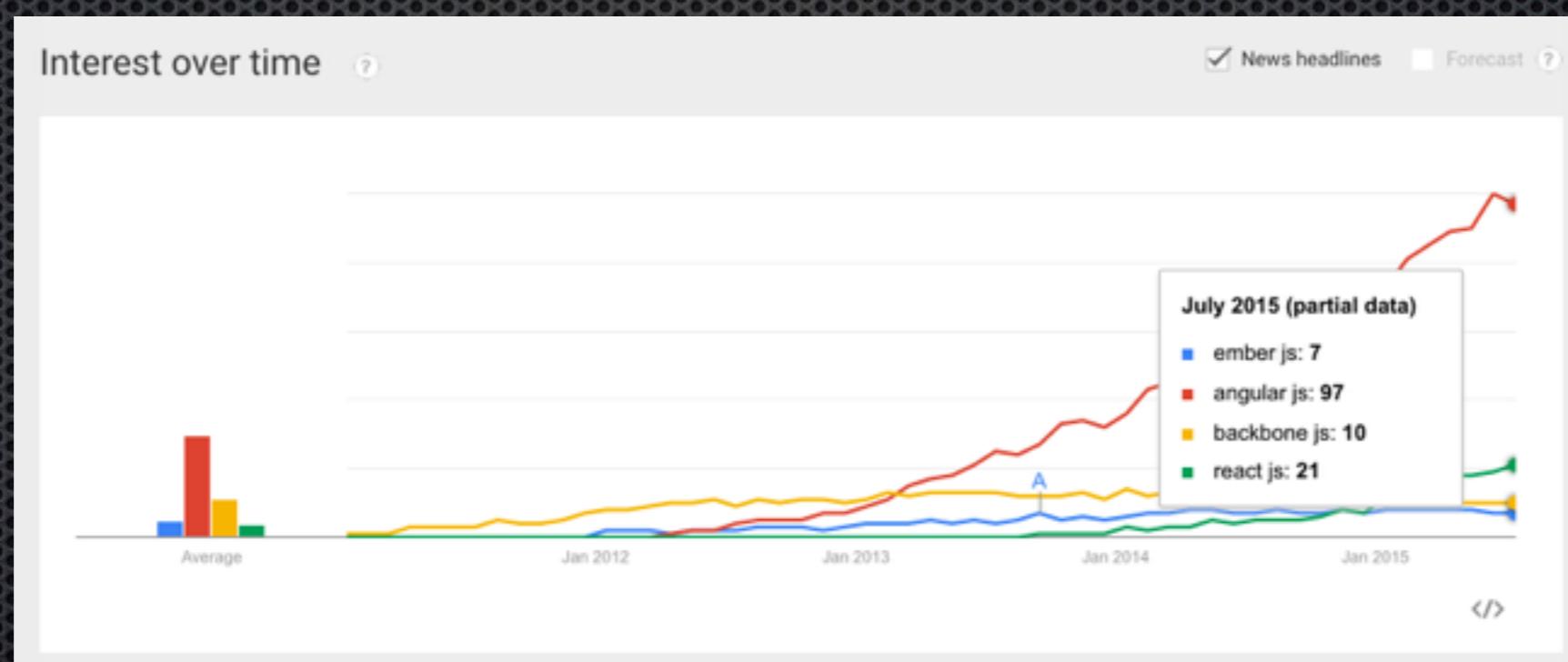
- 20+ Years of Tools and Technology
- Your favorite IDE, text editor and debugger tools
- Share code with your website
- Allows web-heavy development group resources to be used on mobile work



AngularJS!

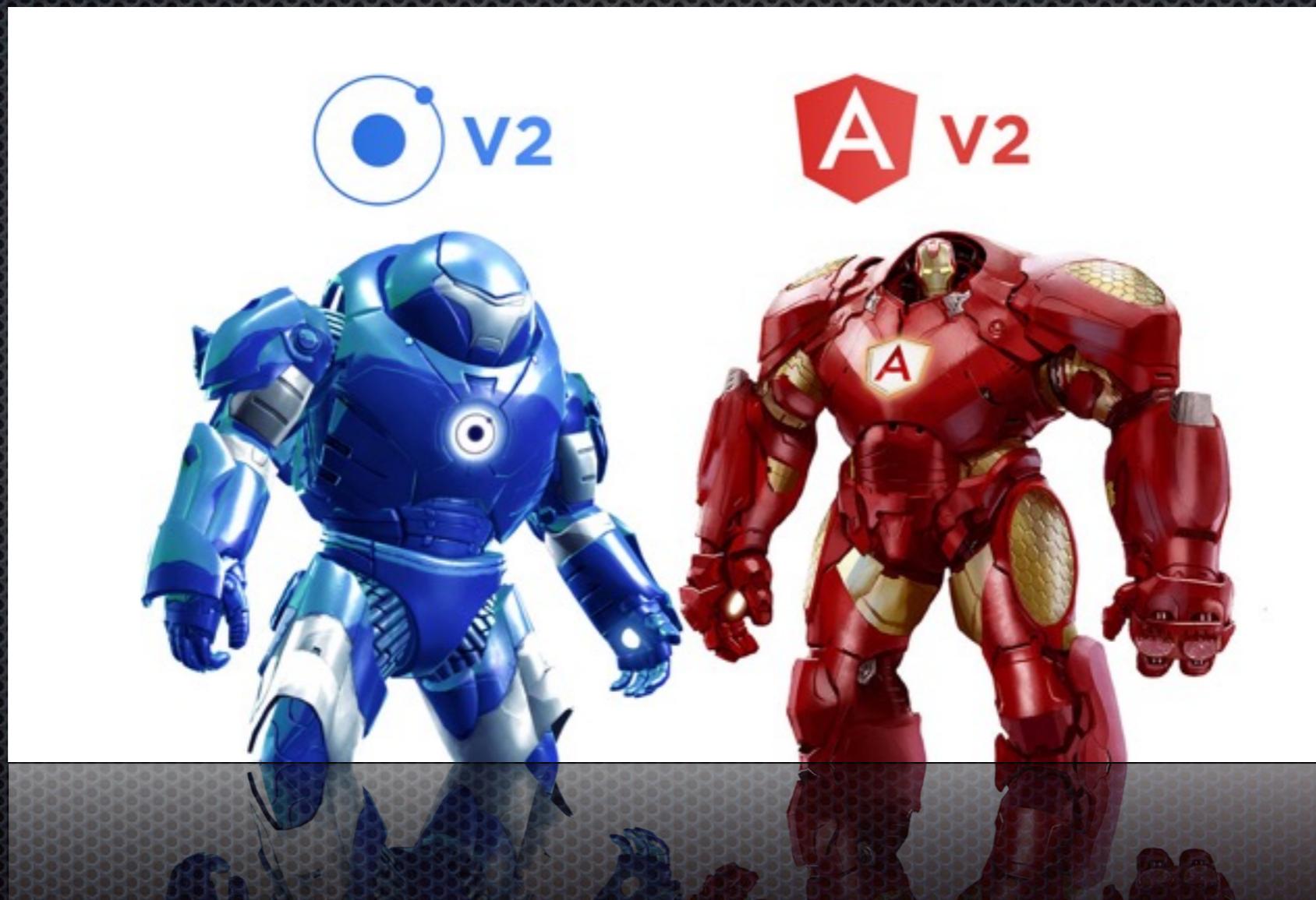
- Most popular JS framework
- MVC
- Unit Testing Ready
- And More...

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



What About AngularJS 2.0???

- Ionic 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????)

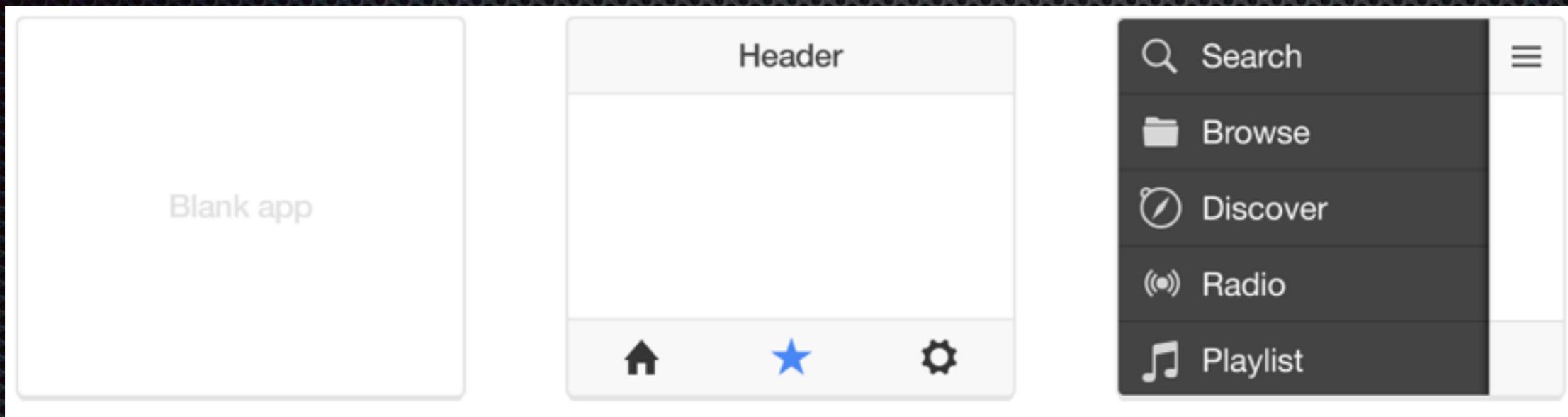
- Power Your CSS with Sass
- Still can use Less or plain CSS3 if you want.
- Next version of Bootstrap will be in Sass





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

Ionic Start



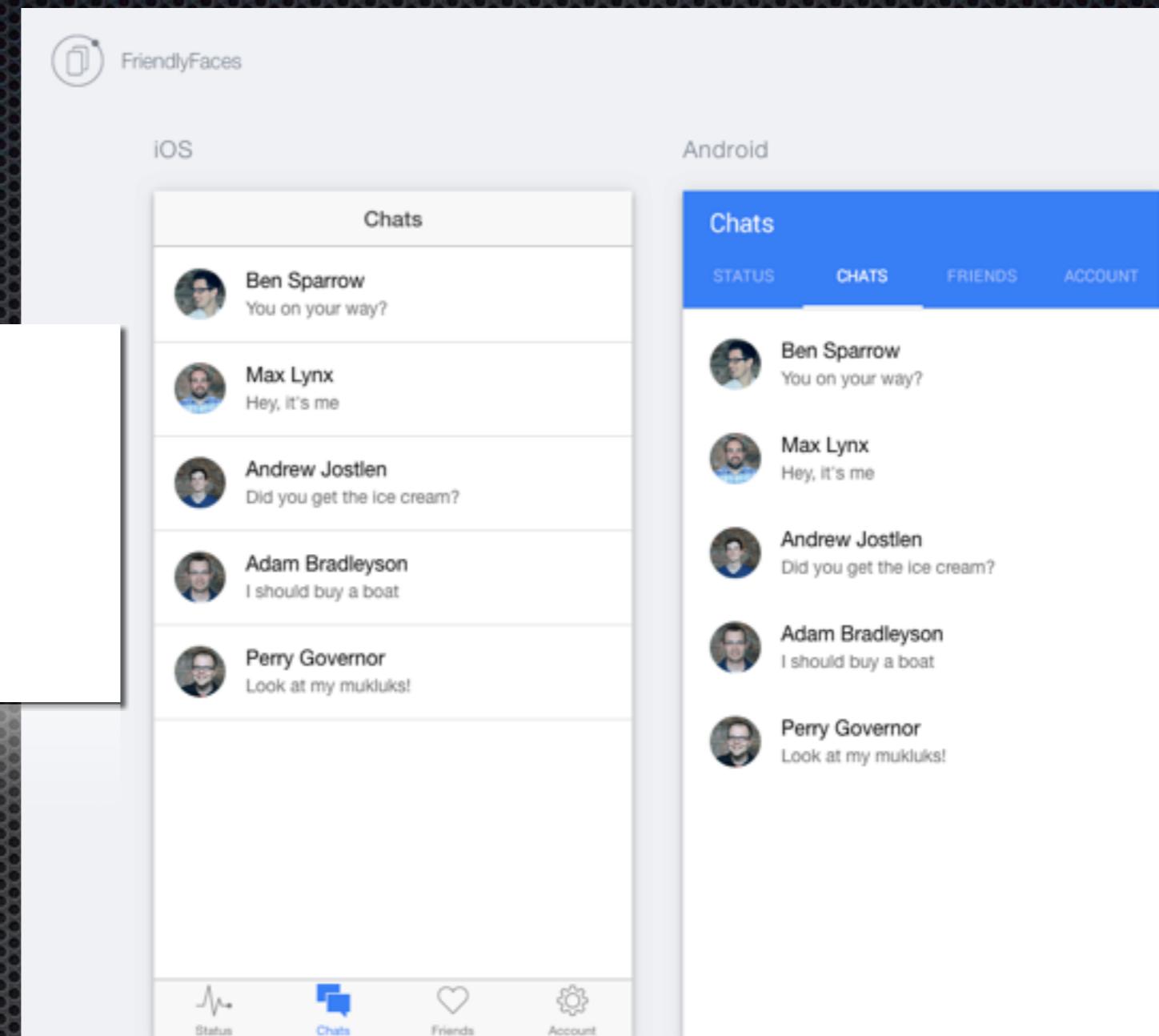
```
$ ionic start myApp blank  
$ ionic start myApp tabs  
$ ionic start myApp sidemenu
```

↳ TOUCS 2015 - Milwaukee

- 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>

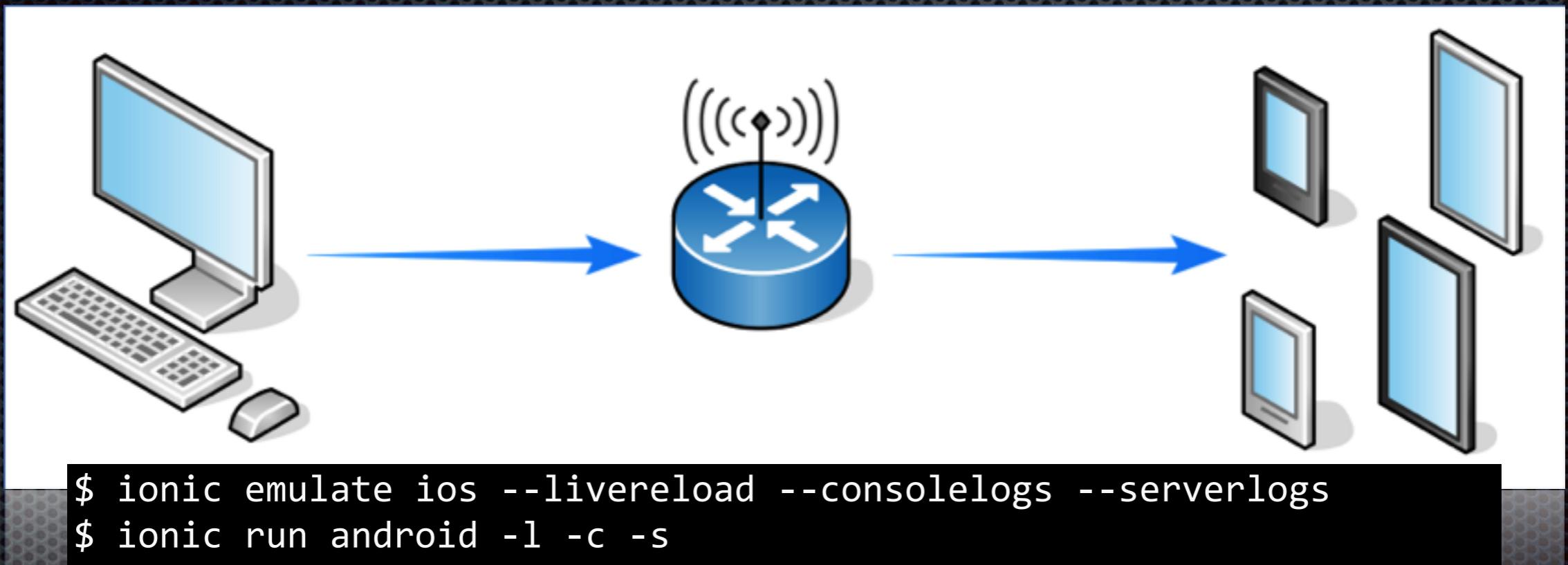
Ionic Lab



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

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

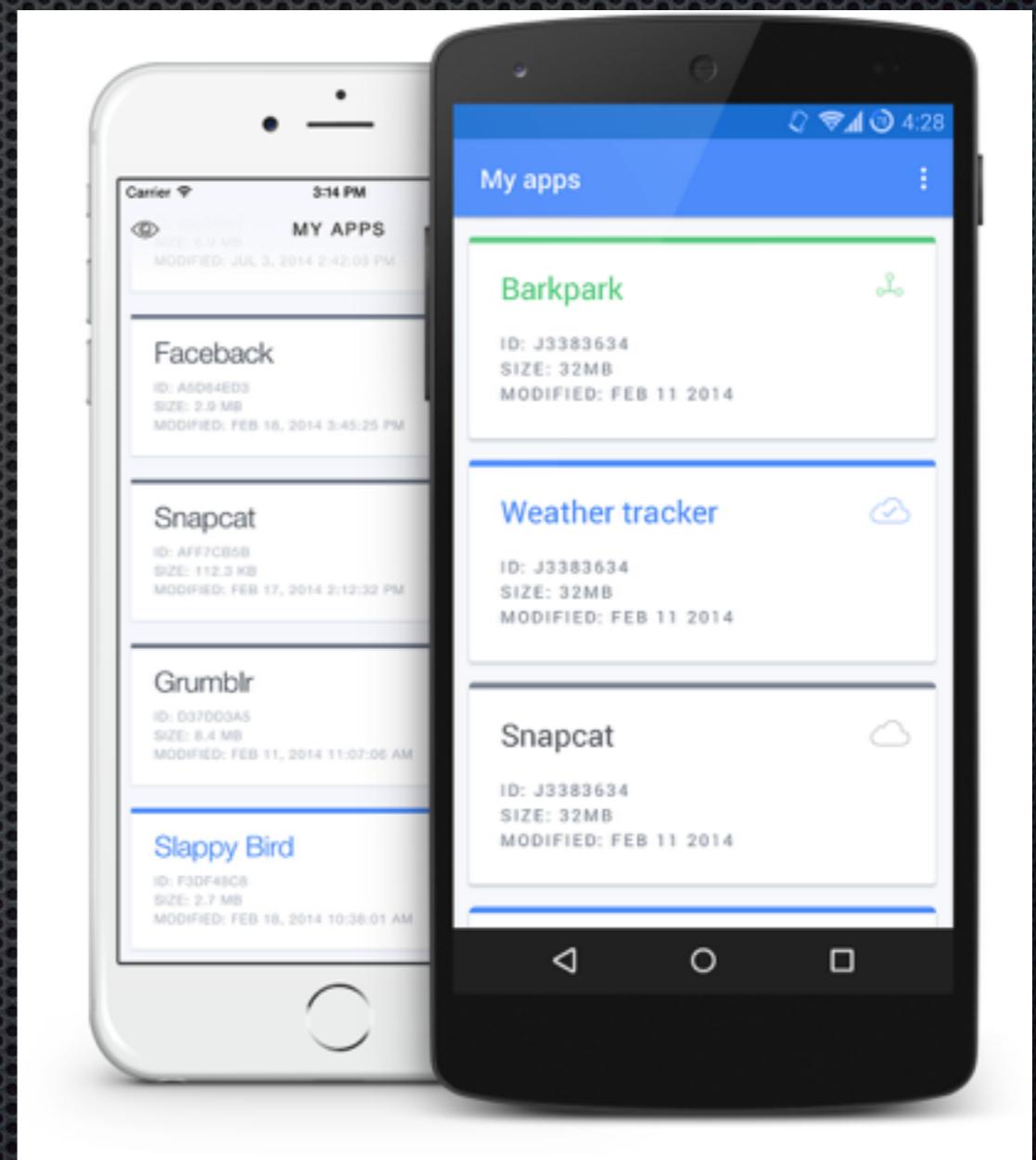
Ionic LiveReload



- 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



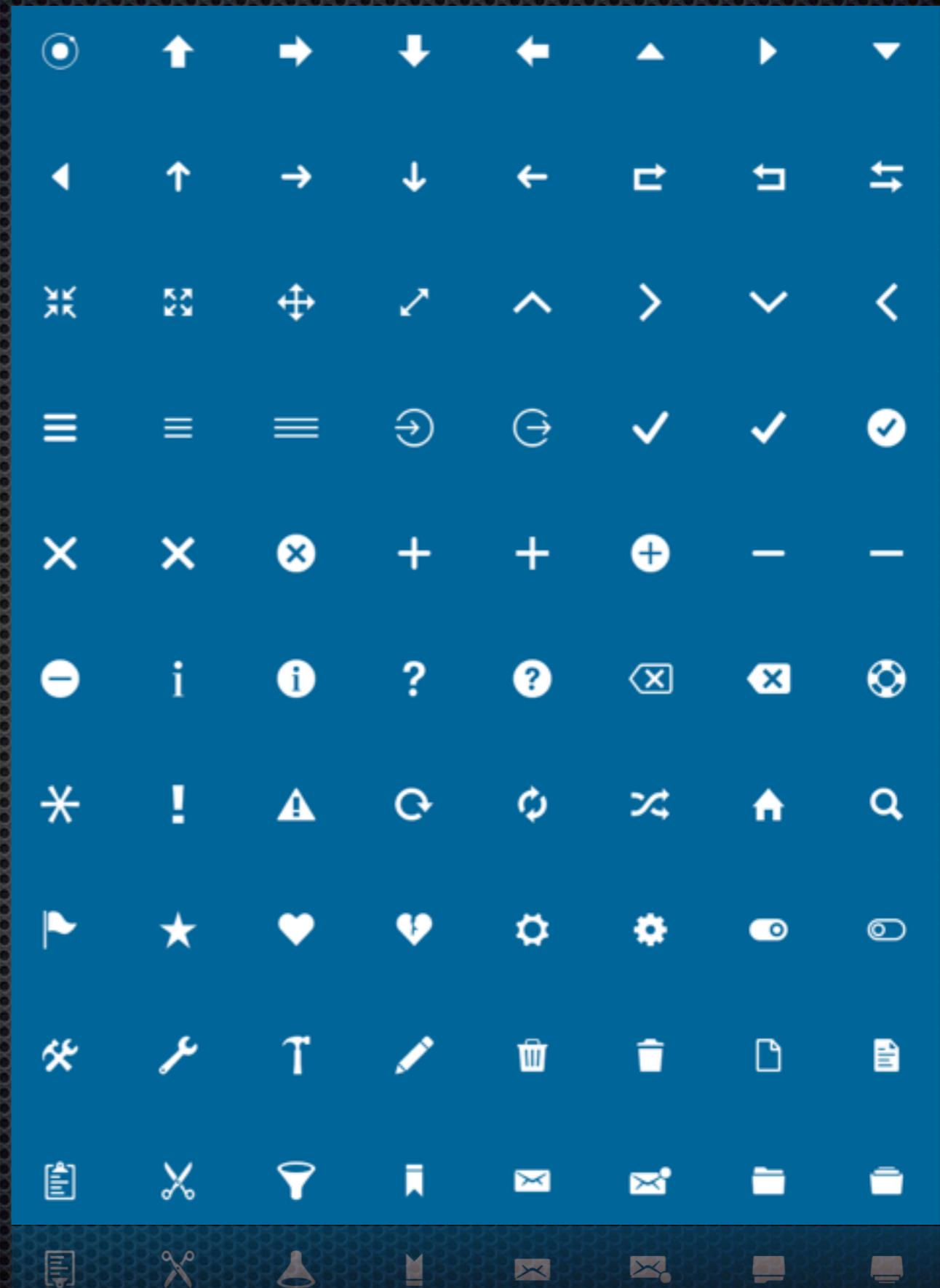
```
$ ionic resources  
$ ionic resources --icon  
$ ionic resources --splash
```

```
↳ TO USE RESOURCES --> btsaur
```

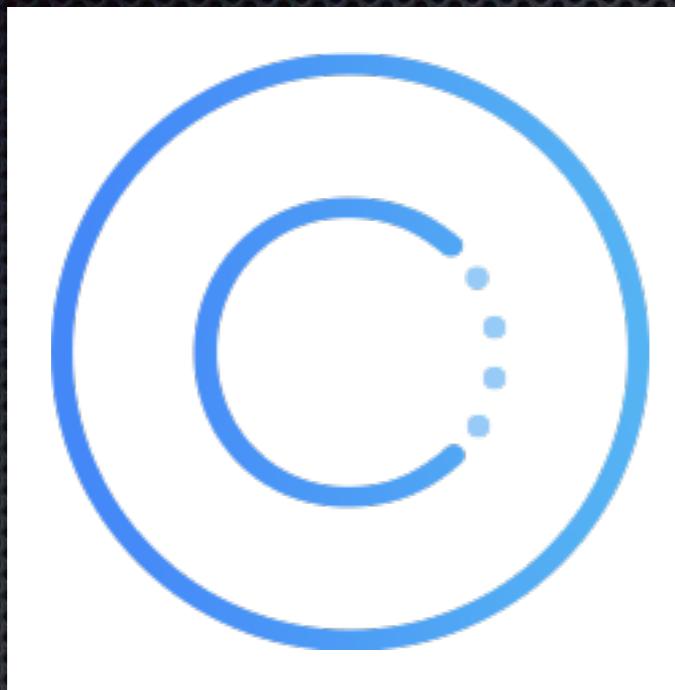
- Create all of your icons and splash screens from single source
 - Splash Screen: 2208px x 2208px
 - Icon: 192px x 192px

Ionicons

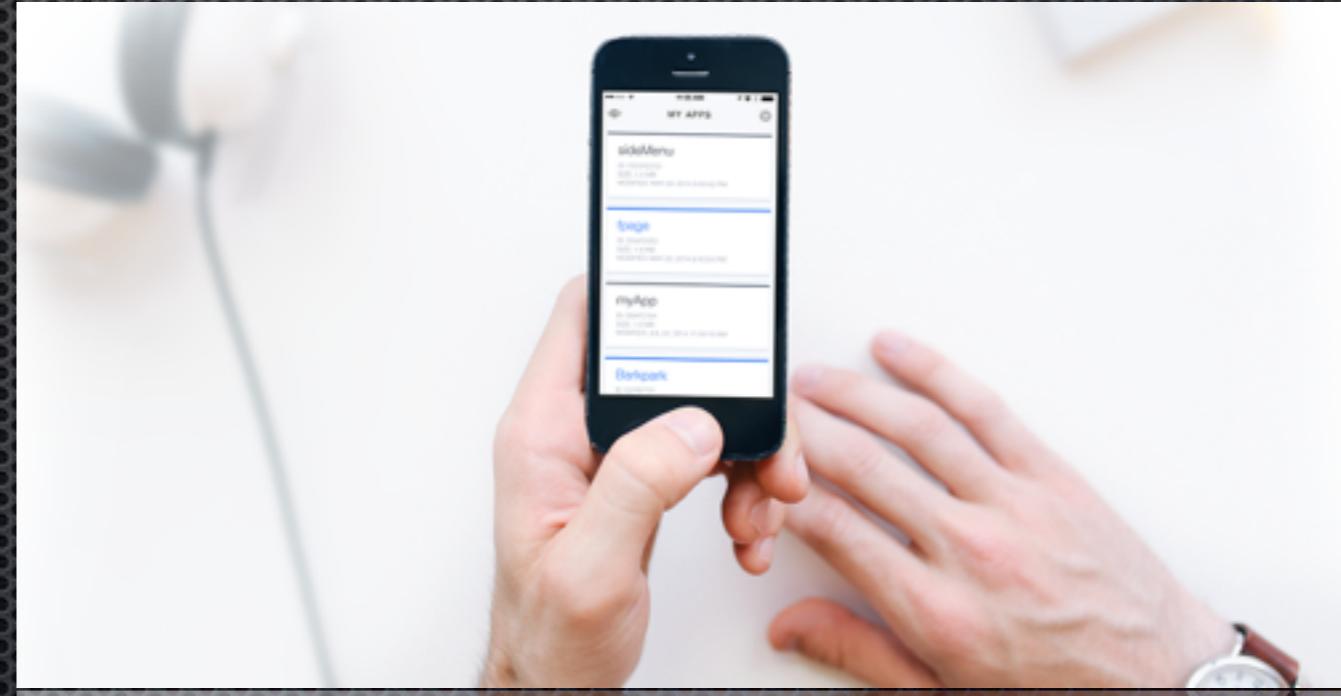
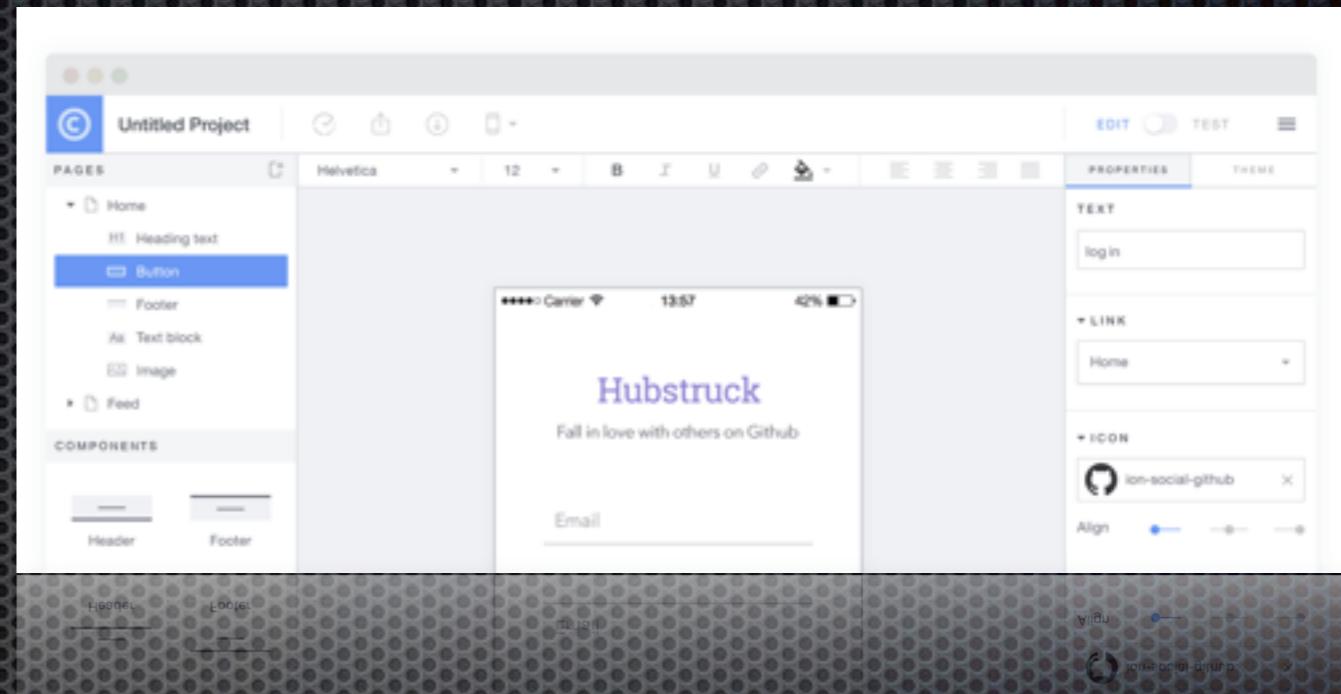
- 700+ Font Icons for mobile that are all 100% Free and Open Source. MIT Licensed.



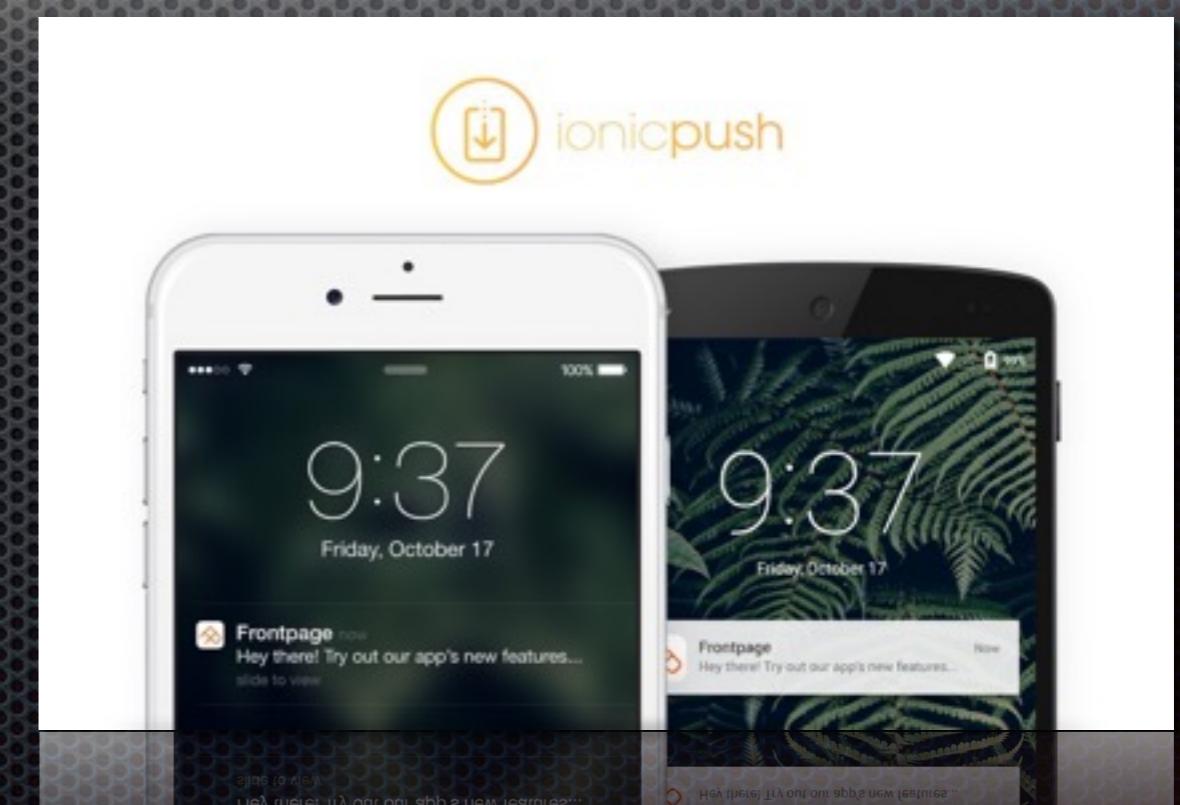
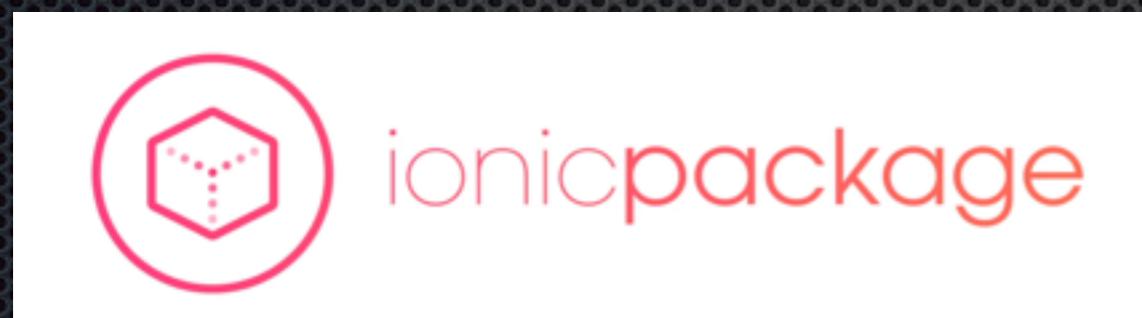
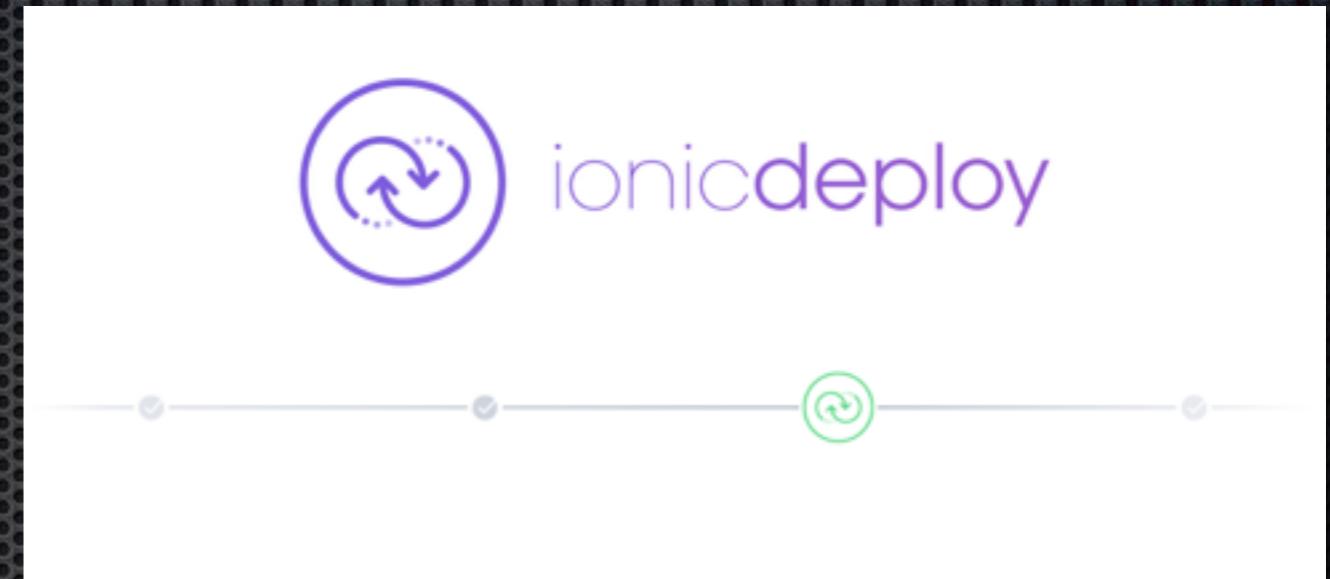
Ionic Creator



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



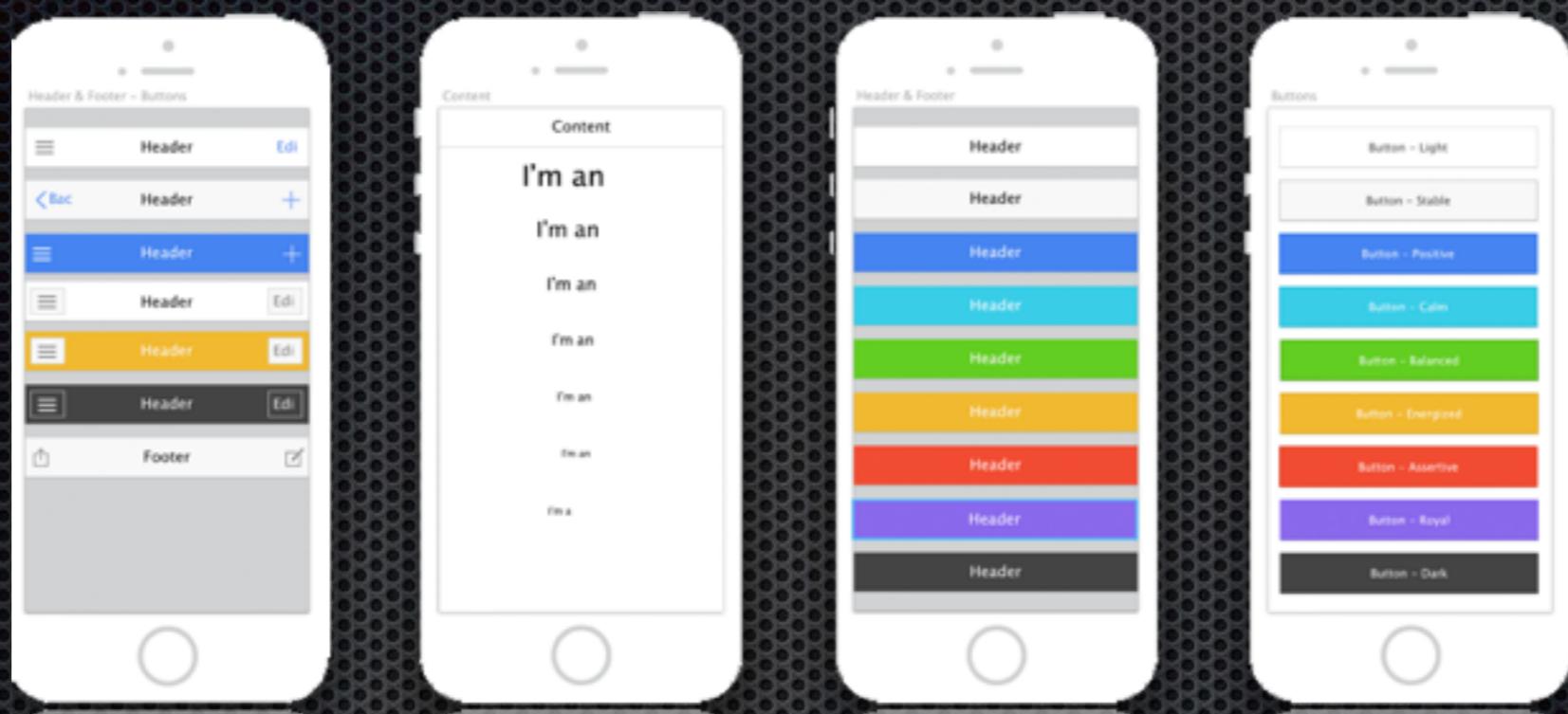
More All The Time.....



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/milkcan/2015-MKE-CODECAMP>
- Matthew Ridley
@matt_ridley
matt@milkcan.io

