ionic

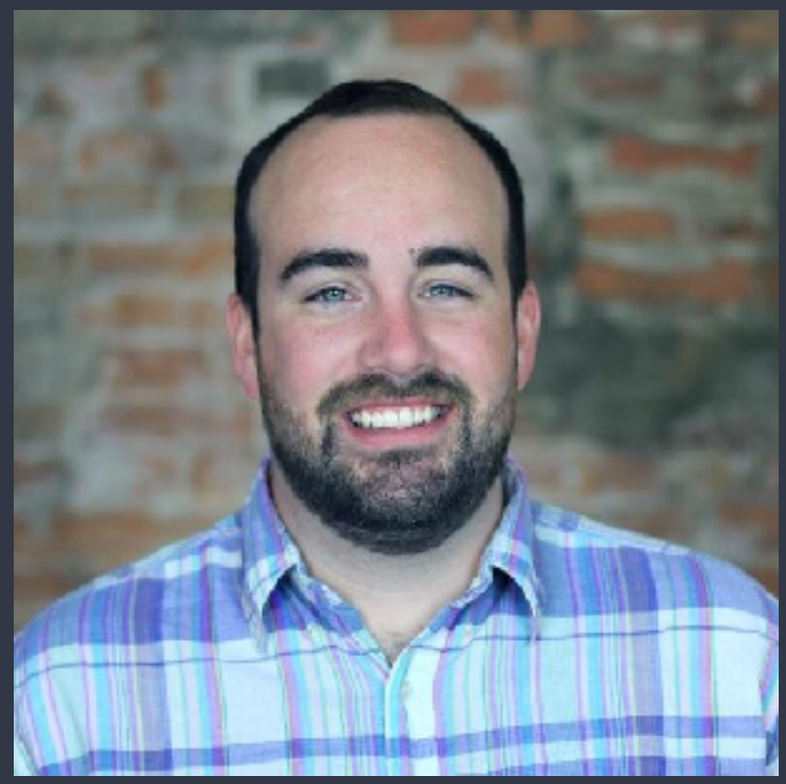
“Mobile App Development for Web Developers”

Building apps with Ionic and
AWS Mobile Hub

http://ionicframework.com/

About Me

- Co-founder, CEO of Ionic
- Based in Madison
- @maxlynch on Twitter
- Soccer, film photography nerd



Agenda

- Introduction to Ionic Framework
- Introduction to AWS Mobile Hub
- Demo: Ionic + AWS Mobile Hub
- Beyond Ionic Framework

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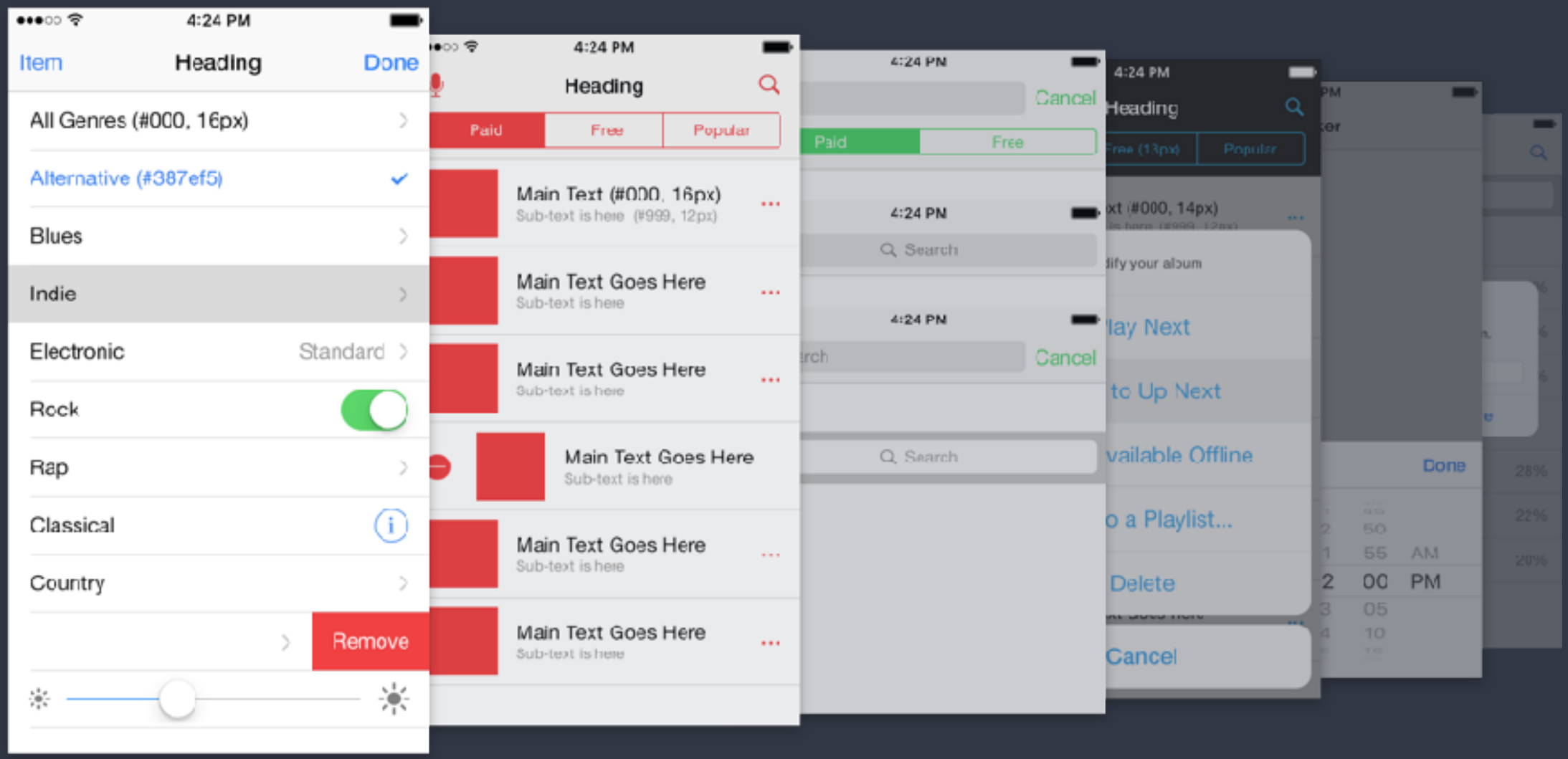
Ionic Framework



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Ionic Framework

- “UI layer for web and mobile apps.”
- Built on HTML5, JavaScript, and CSS
- Goal: one codebase, many platforms
- Focused 100% on web developers
- Based on TypeScript, Angular, and (soon) framework agnostic web components
- Top 50 OSS project on GitHub (30,000 stars)

IONIC

Animations
Modals
ActionSheets
Gestures
Lists
Buttons
Tabs
Navigation
Scrolling
NATIVE APP

Native **SDK**

WebView
NATIVE APP

Cordova/PhoneGap

ionic

Animations
Modals
ActionSheets
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NATIVE APP
NATIVE SDK'S
Animations
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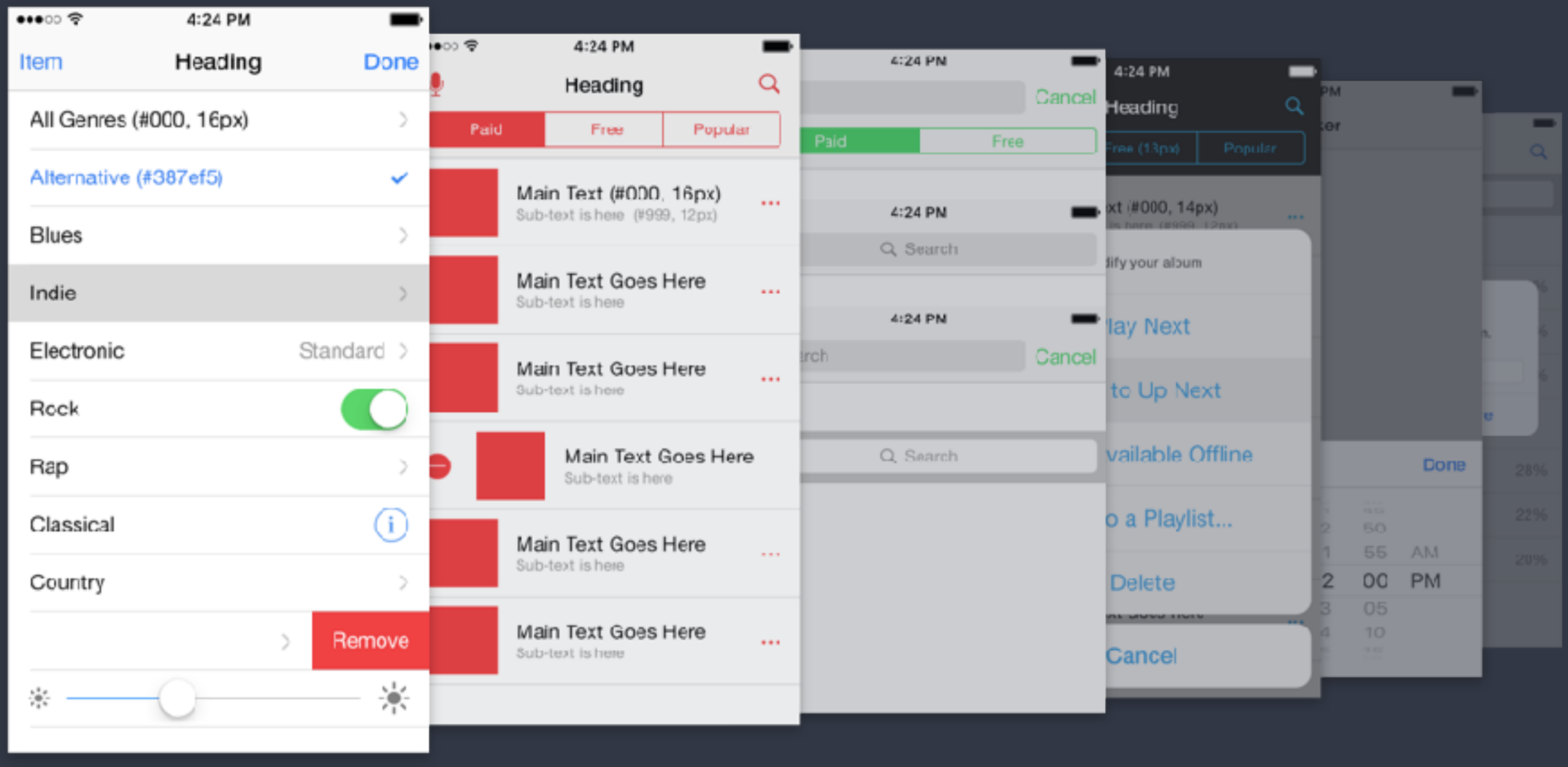
NATIVE APP
IONIC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Item
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All Genres (#000, 16px)
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Blues
Indie
Electronic
Standard
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Rap
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Country
Remove
Paid
Free
Popular
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Sub-text is here (#999, 12px)
Main Text Goes Here
Sub-text is here
Cancel
Search
Delete

ionic

```
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  <ion-tab [root]="secondTab"></ion-tab>

  <ion-tab [root]="thirdTab"></ion-tab>

</ion-tabs>
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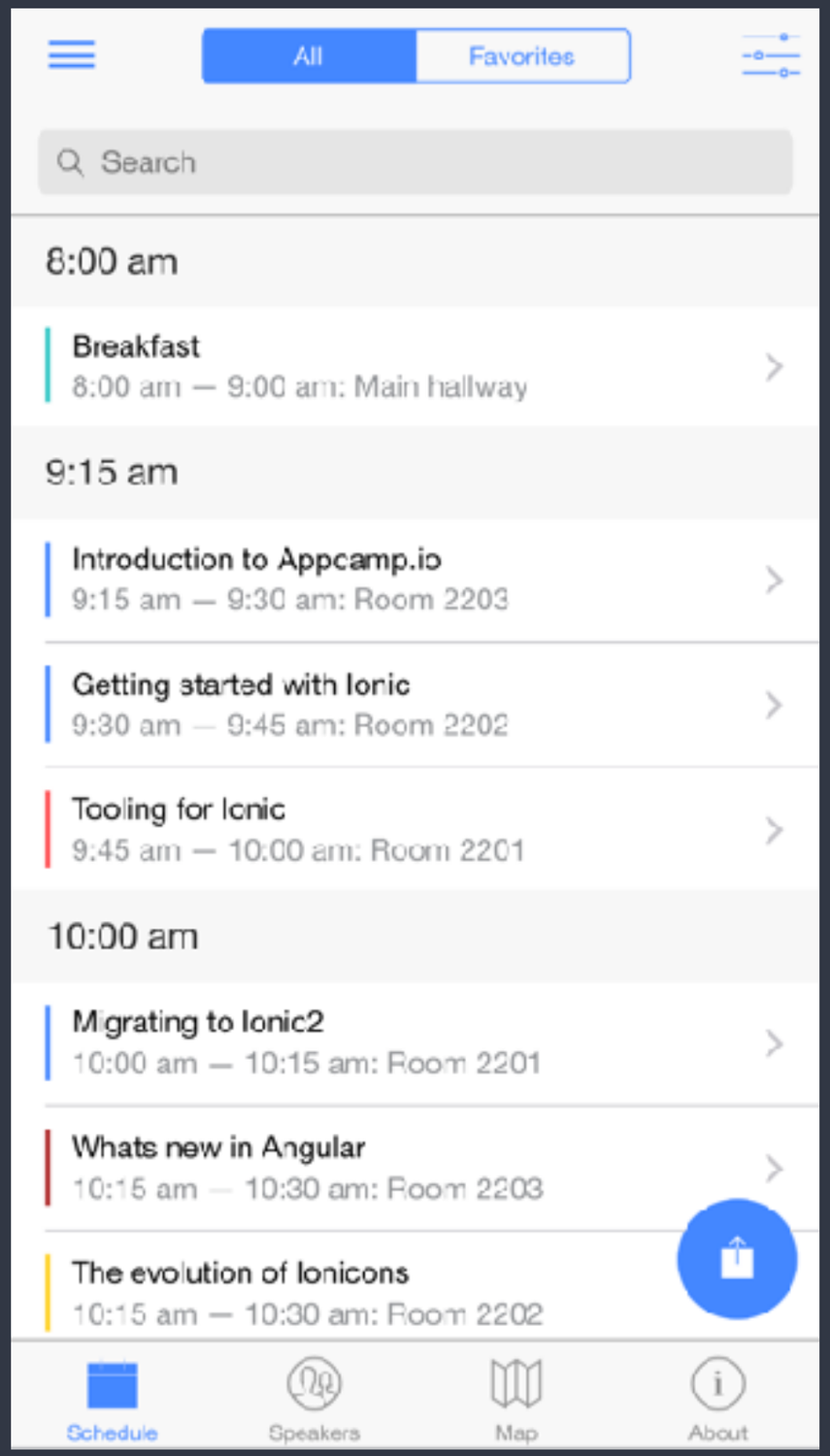
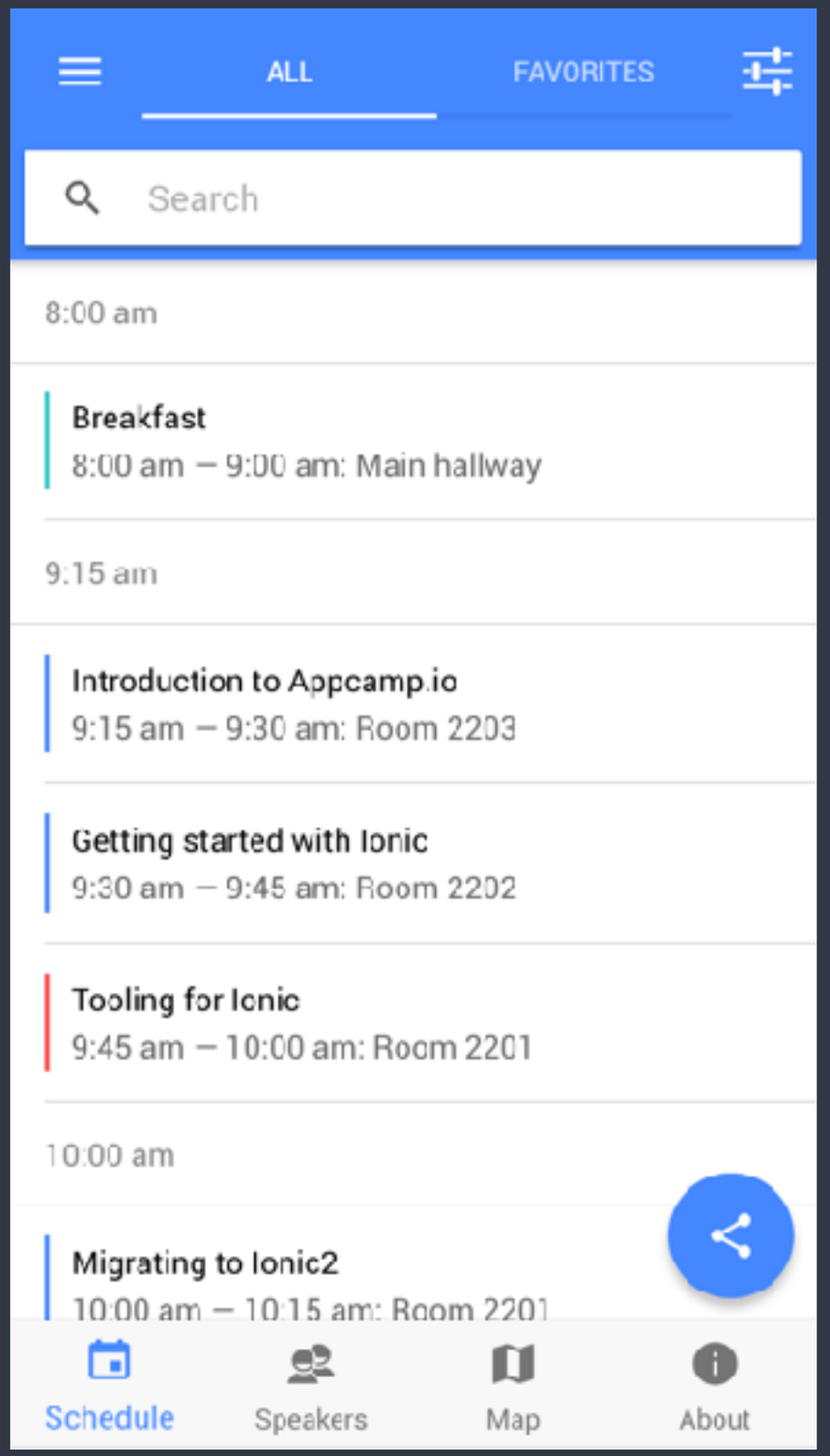

All
Favorites
Search
8:00 am
Breakfast
8:00 am — 9:00 am: Main hallway
9:15 am
Introduction to Appcamp.io
9:15 am — 9:30 am: Room 2203
Getting started with Ionic
9:30 am — 9:45 am: Room 2202
Tooling for Ionic
9:45 am — 10:00 am: Room 2201
10:00 am
Migrating to Ionic2
10:00 am — 10:15 am: Room 2201
Whats new in Angular
10:15 am — 10:30 am: Room 2203
The evolution of Ionicons
10:15 am — 10:30 am: Room 2202
Schedule
Speakers
Map
About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Ionic Components

Ionic Native Plugins

90+ plugins that make adding any **native functionality** dead simple

TOUCH ID

CAMERA

OAUTH

ionic

Ionic CLI

```
max@ionitron:~/git/ionic-conference-app$ ionic help

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  | | o | | | | | | | |
  | _ \ __ / | _ | | _ \ __ |  CLI 3.3.0


  Usage:

    $ ionic <command> [--help] [--verbose] [--quiet] [<args>] [options]
    $ ionic [--confirm] [--no-interactive] [--yarn] [--no-timeout]

  Global Commands:

    docs ..................... Open the Ionic documentation website
    info ..................... Print system/environment info
    login .................... Login with your Ionic ID
    signup ................... Create an Ionic account
    start .................... Create a new project
    telemetry ................ Opt in and out of telemetry

  Project Commands:

    generate ................. Generate pipes, components, pages, directives, providers, and
                               tabs (ionic-angular >= 3.0.0) (alias: g)
    link ..................... Connect your local app to Ionic
    serve .................... Start a local dev server for app dev/testing
    upload ................... Upload a new snapshot of your app
    cordova build ............ Build (prepare + compile) an Ionic project for a given platform
    cordova compile .......... Compile native platform code
    cordova emulate .......... Emulate an Ionic project on a simulator or emulator
    cordova platform ......... Manage Cordova platform targets
    cordova plugin ........... Manage Cordova plugins
    cordova prepare .......... Copies assets to Cordova platforms, preparing them for native
                               builds
    cordova resources ........ Automatically create icon and splash screen resources
    cordova run .............. Run an Ionic project on a connected device
    package build ............ Start a package build
    package download ......... Download your packaged app
    package info ............. Get info about a build
    package list ............. List your cloud builds
```

Real World Example

Installing Ionic

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

Note: Ionic requires Node and Cordova

Creating an App

```
$ ionic start chatsnap
$ cd chatsnap
```

Running an app

```
$ ionic serve
```

Running on device

```
$ ionic run ios[android]
```

Code

AWS Mobile Hub

https://aws.amazon.com/mobile/

Ionic + AWS Demo

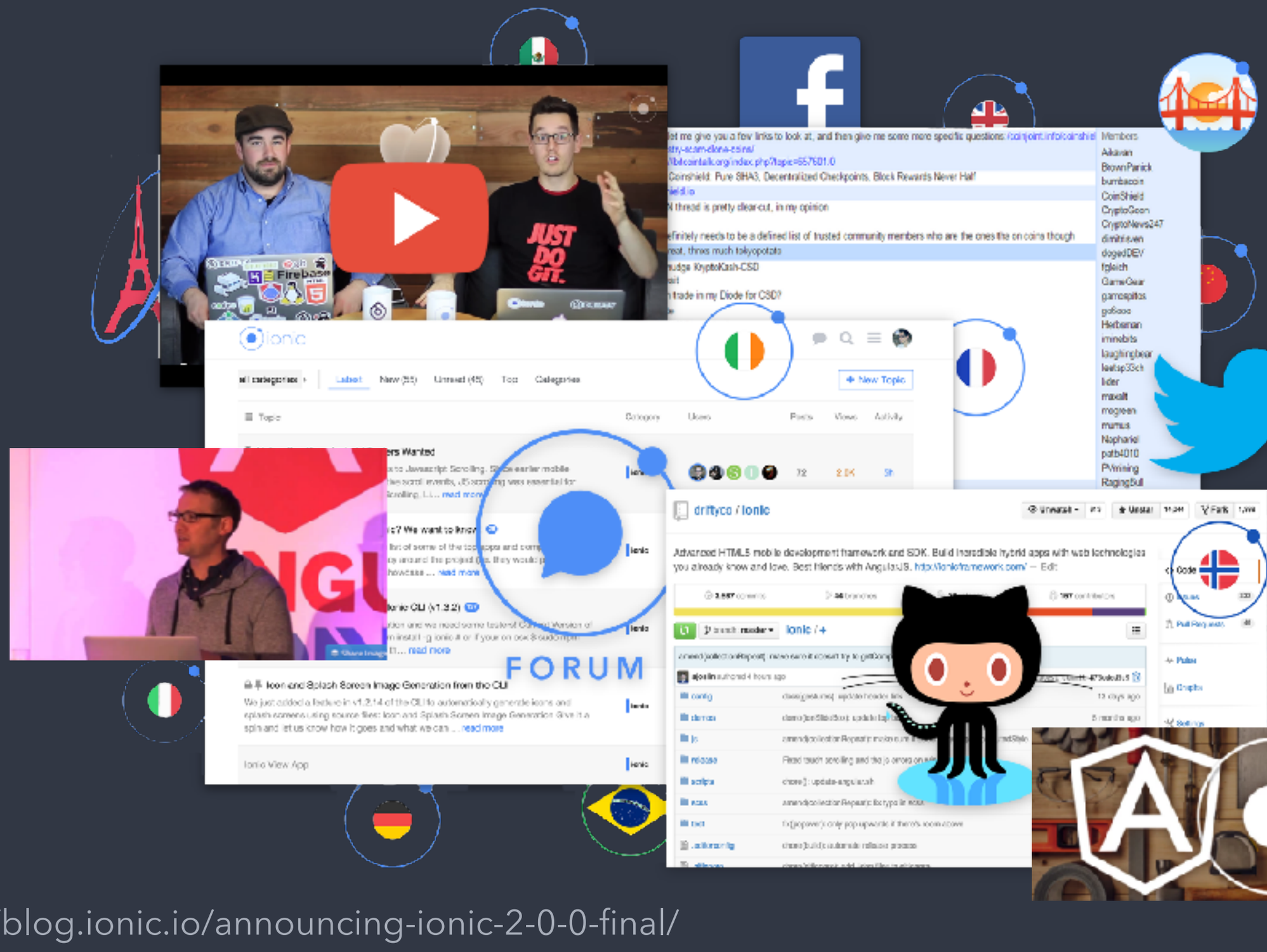
- Repo: https://github.com/ionic-team/ionic2-starter-aws

- AWS Announcement: https://aws.amazon.com/blogs/mobile/ionic-web-hybrid-mobile-starter-project/

- `$ ionic start myApp aws`

S3 Hosting

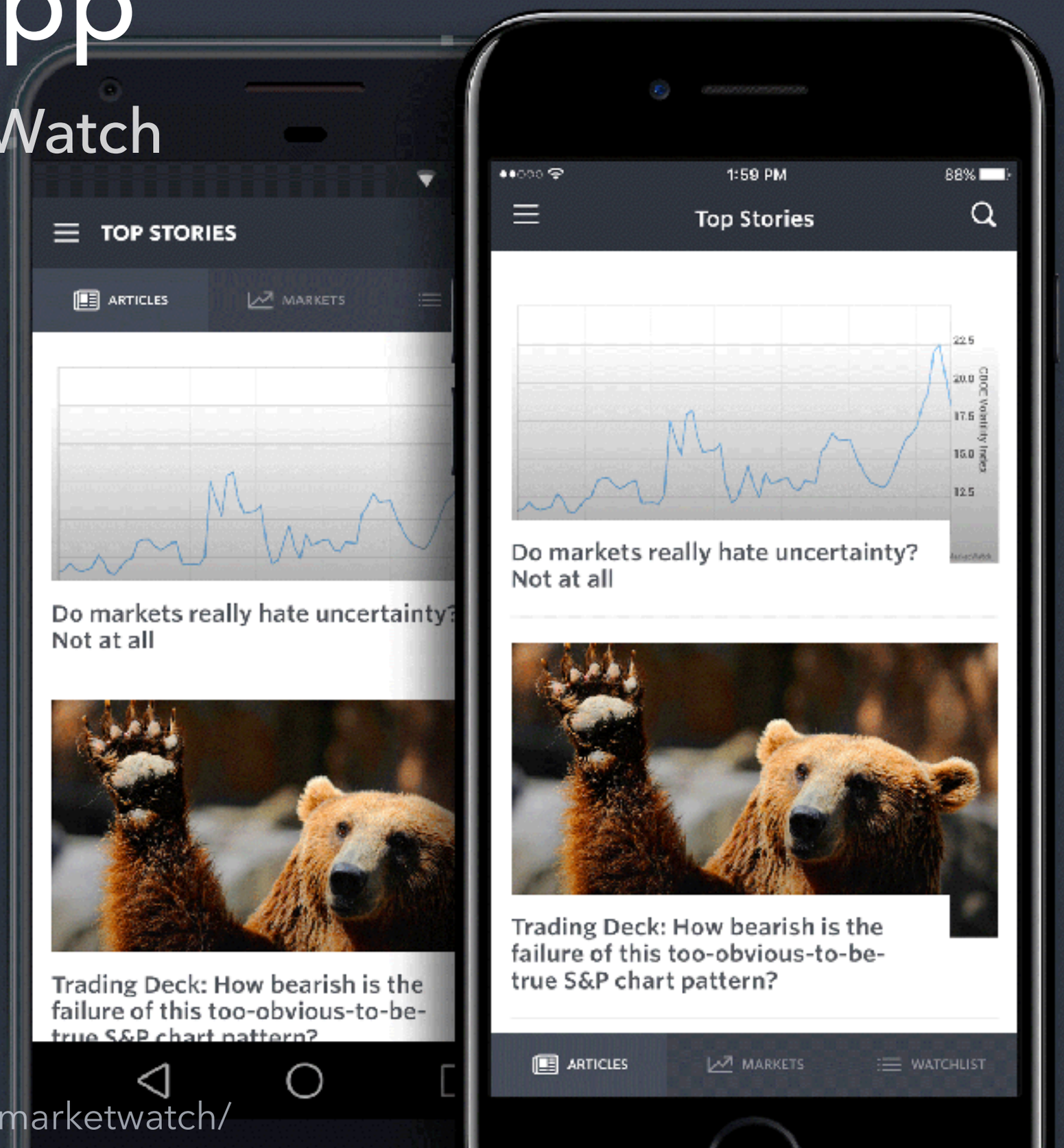
Community



http://blog.ionic.io/announcing-ionic-2-0-0-final/

Featured App

Dow Jones MarketWatch

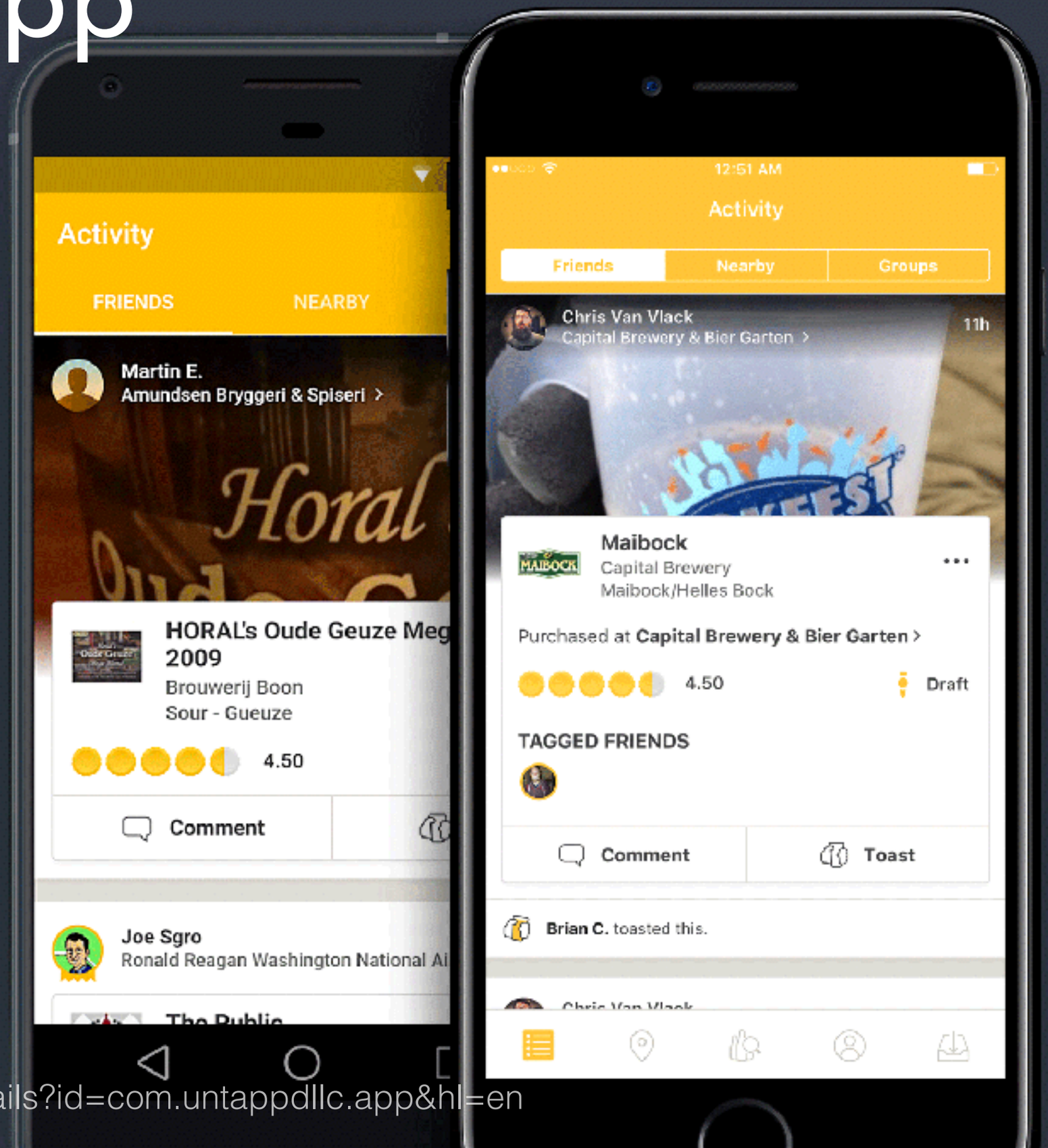


http://blog.ionic.io/built-with-ionic-marketwatch/

Featured App

Untappd

★★★★★ 21,284



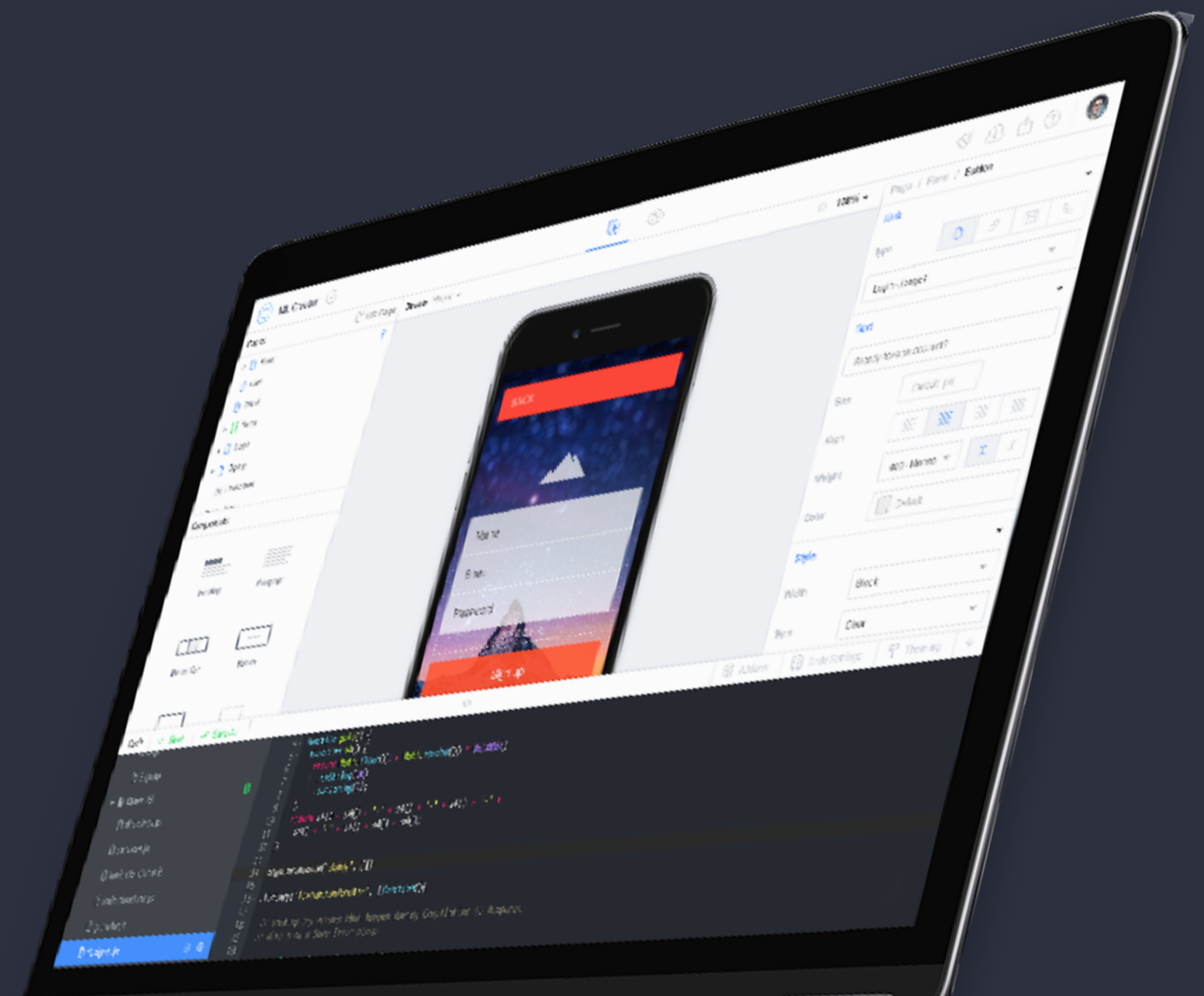
https://play.google.com/store/apps/details?id=com.untappdllc.app&hl=en

Ionic Pro Suite

A suite of powerful mobile development tools & services

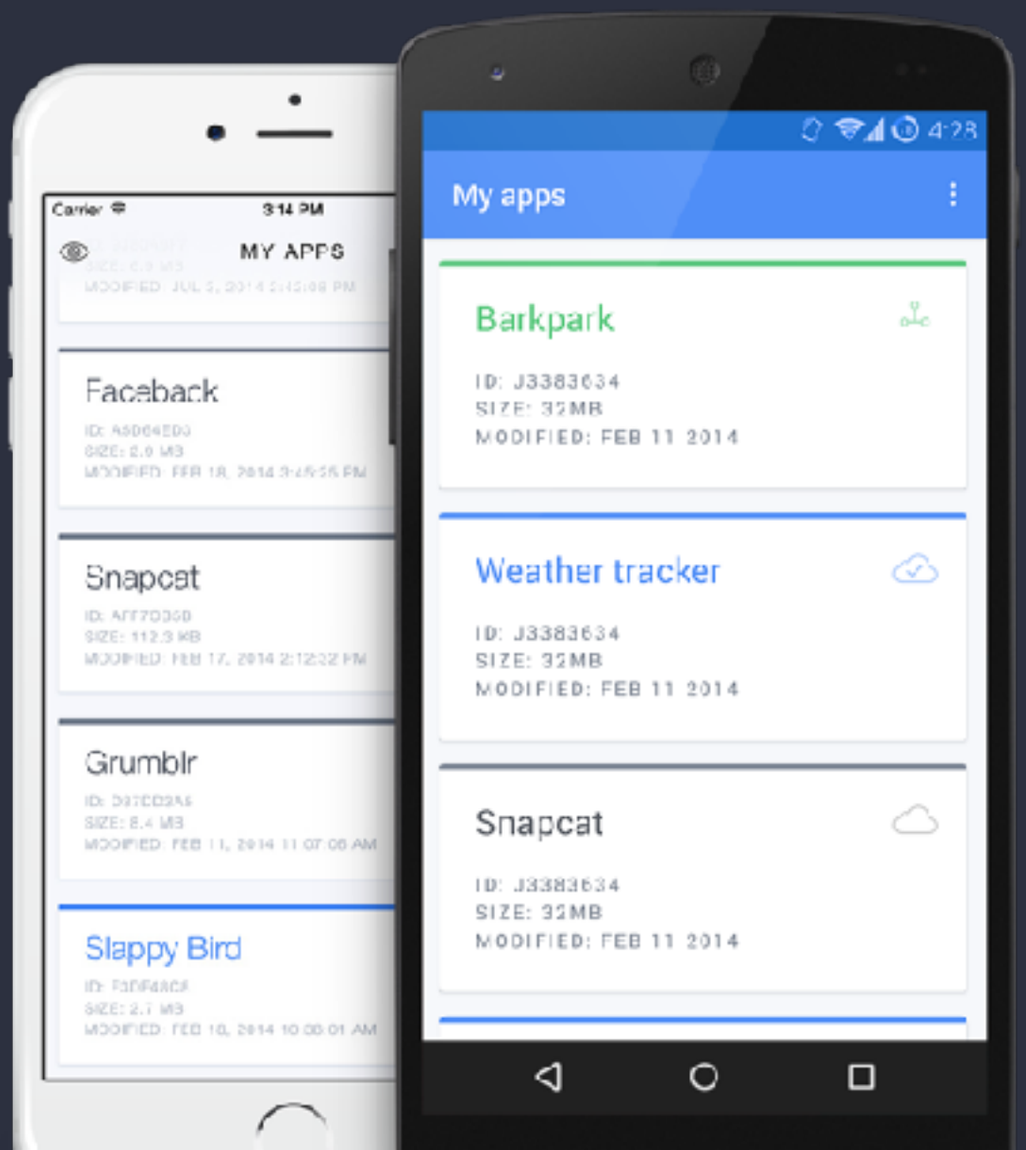
Prototype apps with Creator

A simple drag-and-drop prototyping tool for creating
real Ionic apps



ionicview

Share, test, and preview your apps, live on the device



What's Next

- First class support for desktop/PWA
- Integrated error reporting, Ionic Pro services
- Ionic Developer App
- Expanded demos and docs with AWS
- Stencil: a compiler for web components

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Thank you!

https://github.com/ionic-team/ionic2-starter-aws

http://ionicframework.com/

http://twitter.com/maxlynch

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