

· MOBILE MATTERS · · · · · · SYMPOSIUM 2012 · ·

App Development Best Practices

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Problem

- We are getting ready to release an iPhone app, Dust Storm, to the Apple App store and Apple releases the new iPhone 5 with a new operating system, iOS 6.

Best Practice & Challenge

- Modify the App to support the new releases quickly.



iPhone 5 Specifications

- Taller Screen size – 640 x 1136 pixels compared to iPhone 4s at 640 x 960 pixels
- Apple A6 Processor – Dual core, 1GHz
- 1 GB Ram
- 8 megapixel Camera
- LTE
- iOS 6



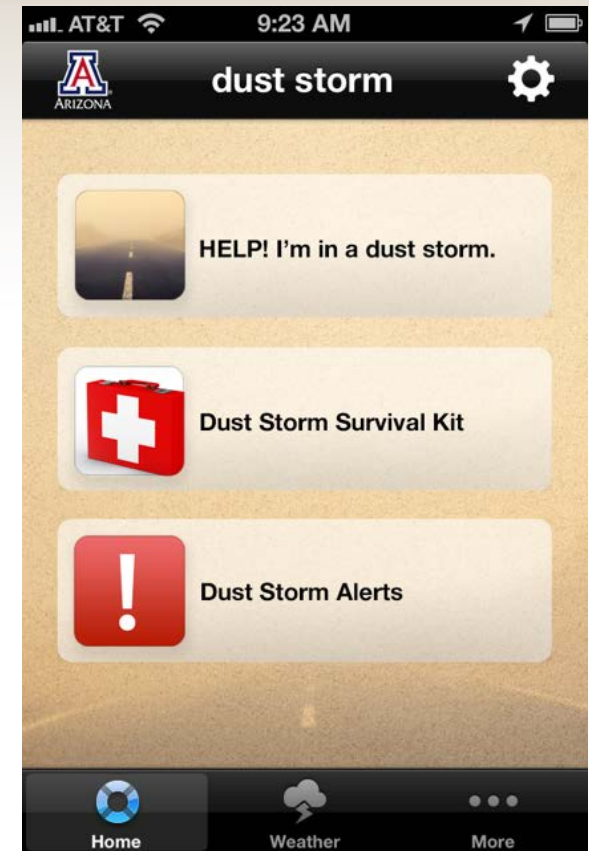
Subset of iOS 6 Changes

- ❑ New Apple Maps App instead of Google Maps
- ❑ Facebook Integration
- ❑ New Accessibility Features – Guided Access
- ❑ UIViewController Rotation Changes
- ❑ New Auto Layout of Views
- ❑ Action Sheets
- ❑ Collection Views



Dust Storm App

- Developed for the College of Agriculture and Life Sciences / Cooperative Extension.
- Creative by Student Affairs Marketing.
- Developed by UITS Web / Mobile Services.



Dust Storm App Features

- ❑ Displays safety tips for coping with a dust storm.
- ❑ Stores emergency contact numbers, toll-free highway information numbers, and insurance policy numbers.
- ❑ Using the WeatherBug API, it gives you weather alert information based on your location.
- ❑ Displays survival kit information to keep in your car.
- ❑ Implements email sharing only at this time.



Dust Storm App – iOS6 / iPhone5

- Goals of demo
 - ▣ Quickly Convert the iOS 5 Dust Storm App to use iOS 6
 - ▣ Add support for to run full screen on iPhone 5

Demonstration



Demonstration Takeaways

- Download Xcode 4.5
- Default-568h@2x.png
- New UIView background images
- Detect 4" Retina Screen – Load background image
- Views, Buttons, Etc. use AutoSizing mask or Constraints
- New UIViewController rotation delegate methods



Questions?

