

Mobile Apps Development for Journalists

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Agenda

- Location and Mapping
- Location and Privacy
- In Class Exercise: Location and Journalism

Location and Mapping

- The last part of the semester will be on location and mapping
- One of a mobile application's biggest strengths over a conventional web site

Apple Guide

- https://developer.apple.com/library/prerelease/content/documentation/UserExperience/Conceptual/LocationAwarenessPG/Introduction/Introduction.html#//apple_ref/doc/uid/TP40009497
- <https://developer.apple.com/maps/>

Key Frameworks

- CoreLocation
- MapKit

Location Functionality

- Get user's current location at a point in time
- Get notified when user moves a significant amount of distance
- Get notified when the user enters a geofence

Map Providers for iOS

- Apple MapKit - <https://developer.apple.com/maps/>
- Google Maps SDK for iOS - <https://developers.google.com/maps/documentation/ios-sdk/>
- MapBox - <https://www.mapbox.com/>
- ArcGIS SDK for iOS - <https://developers.arcgis.com/ios/>

Location and Privacy

- Your iOS App will have to ask the user for permission to get their location
- Two choices for tracking user's location
 - Always - the application will get location updates in the background
 - When in use - only when the application is running

Provide Privacy in Info.plist

- Add a row, with a key value of either:
- `NSLocationWhenInUseUsageDescription`
- `NSLocationAlwaysUsageDescription`
- And a String value with a message such as "This app would like to use your location for...."

Location and Privacy Concerns

- What are some concerns that users might have about their location being used by an app?
- How could these be alleviated or mitigated?

In Class Exercise

- Team up in groups of 2 or 3, and brainstorm several ideas for journalism-related applications you could build that would use location or mapping technology
- Will share with class