Johns Hopkins Engineering

Location Services and Frameworks

Module 4





Introduction



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Module 3 Recap

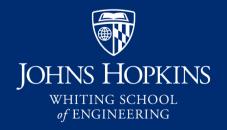
- Threads on iOS
- Asynchronous Multithreading
- Gestures
- Instruments

Module 4 Topics

- Onboard Sensors
- CoreMotion Framework
- CoreLocation Framework
- MapKit

Reminders

- Development Log 2 is due at the end of this module
- Homework 2 is now available







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Onboard Sensors

- iOS devices come with a suite of onboard sensors (note: not all devices have all sensors)
 - Accelerometer
 - Gyroscope
 - Ambient Light Sensor (no public API)
 - Proximity Sensor
 - Assisted GPS (GPS + Wifi)
 - Barometer
 - Altimeter

What can you simulate?

- Rotate Left/Right
- Shake
- Home Button
- Lock
- Reboot
- Location (custom or preset)

Simulating External Displays

- You can also simulate external displays
 - AirPlay screens (mirror by default)
 - Apple Watch
 - Apple TV

