



Backgrounding

- Lecture will begin soon
- Please download the course materials from **<http://university.xamarin.com>**
- Please join the conversation as we wait for the course to begin

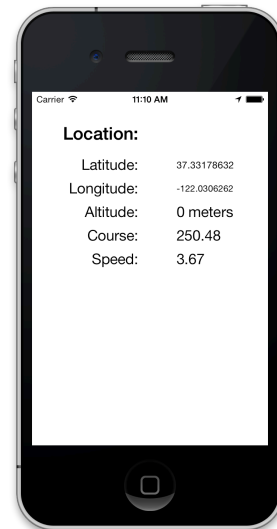
Xamarin University

Lab 1

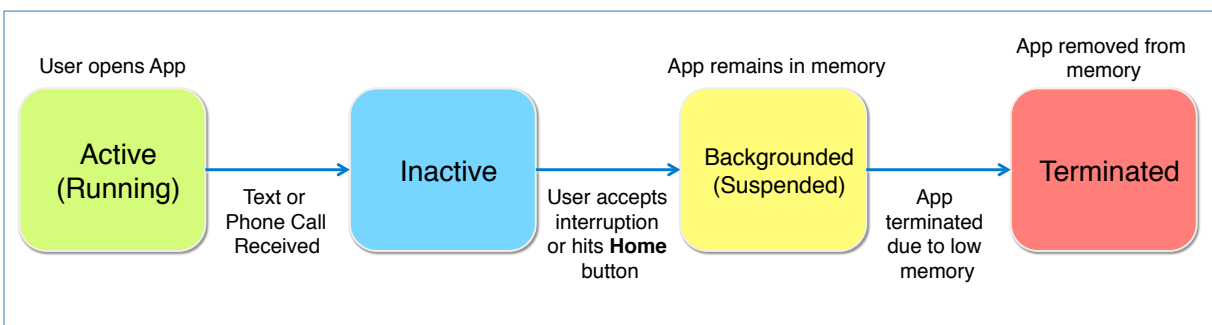
Backgrounding in iOS

Module Objectives

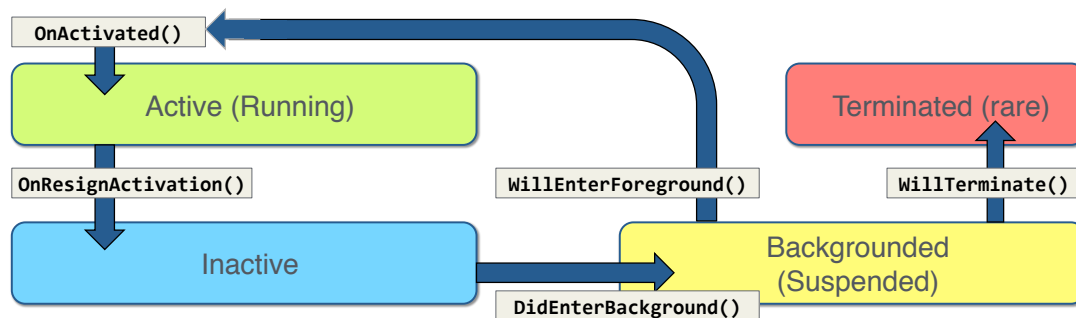
- ❖ Introduce Application Lifecycle
- ❖ Schedule Long Running Tasks
- ❖ Register a long-running task
- ❖ Register a background-necessary app



iOS App Lifecycle

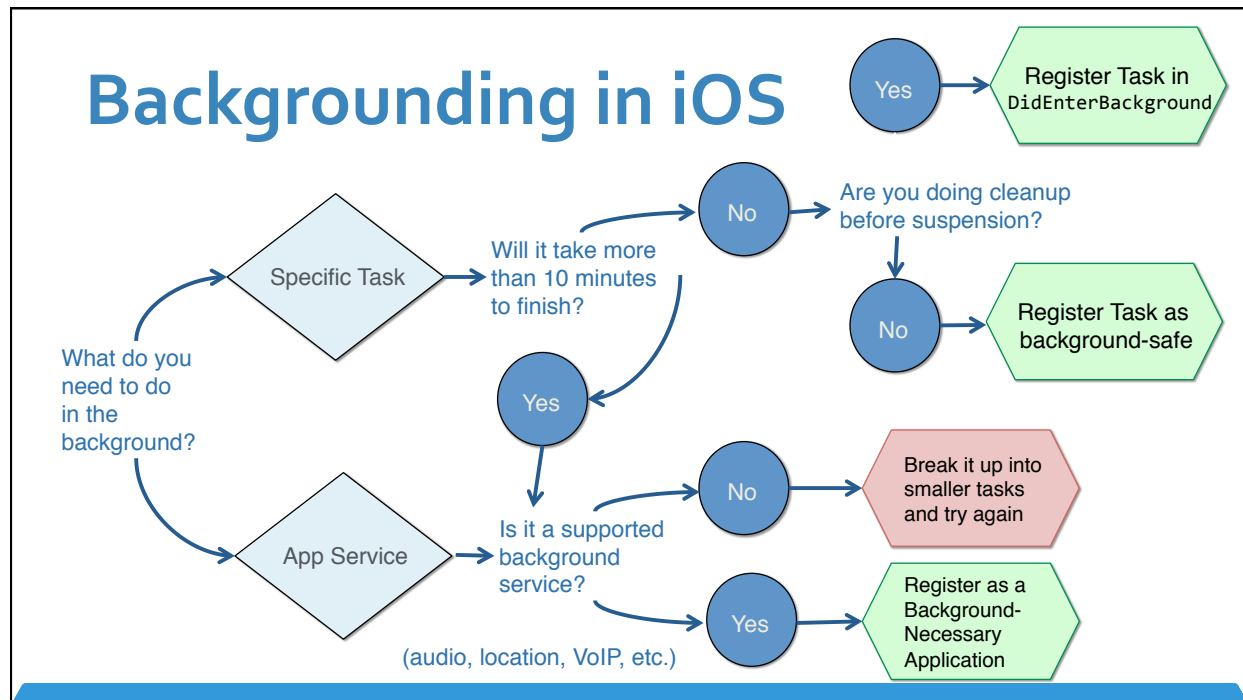


AppDelegate Lifecycle Methods



Let's Get Started

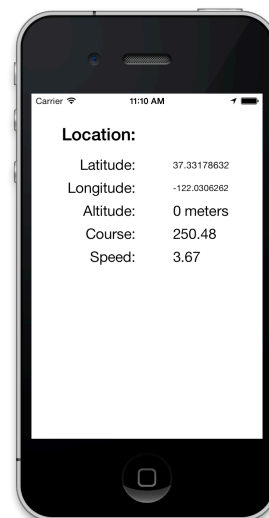
Backgrounding in iOS



Lab Summary

- ❖ Introduce Application Lifecycle
- ❖ Schedule Long Running Tasks
- ❖ Register a long-running task
- ❖ Register a background-necessary app

Questions?



Lab 2

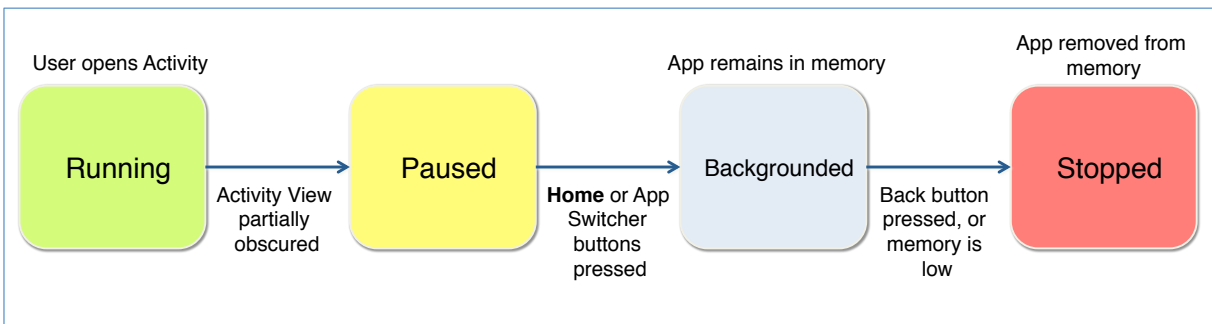
Backgrounding in Android

Module Objectives

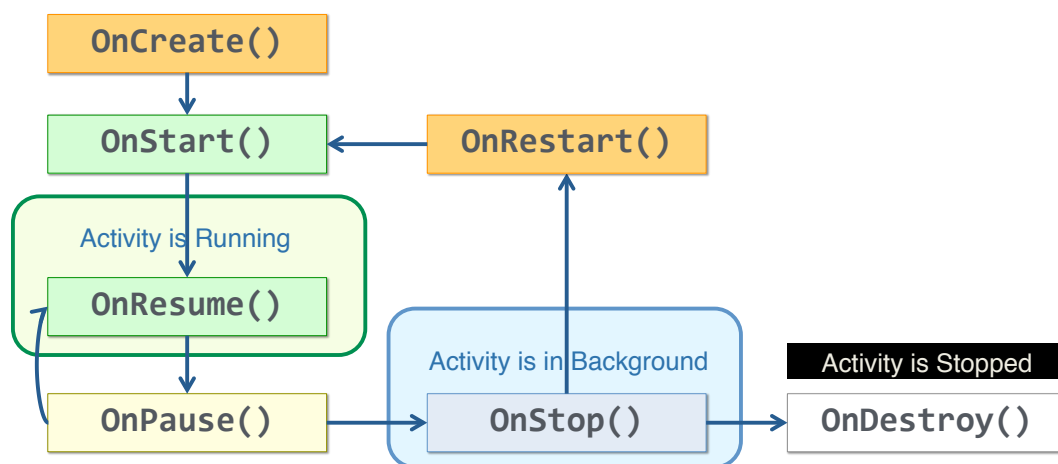
- ❖ Activity Lifecycle
- ❖ Start an Android Service
- ❖ Bind to a Service



Android Activity Lifecycle



Activity Lifecycle Methods

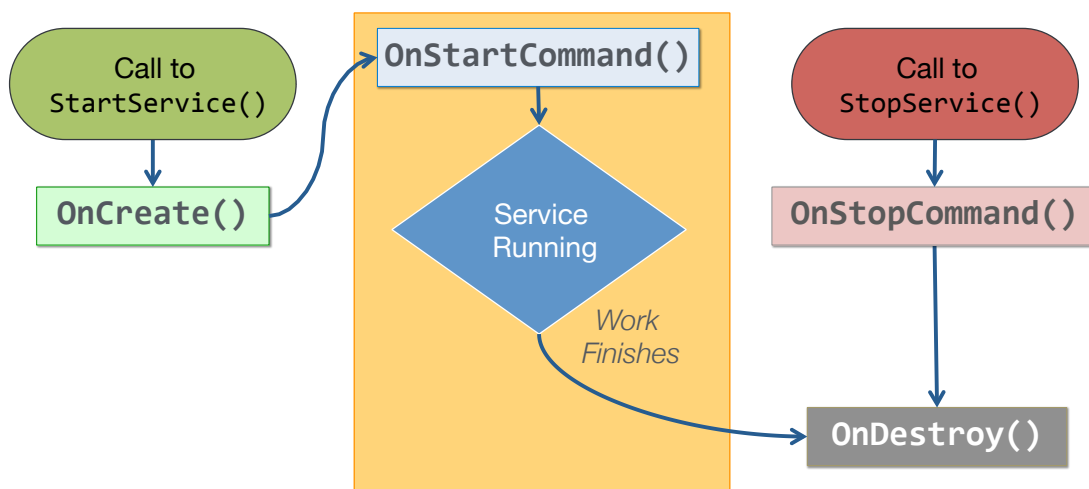


Android Background Tasks

- Activities lifetime is not well suited to long-running background tasks
- Android uses *Services* to process tasks in the background
- Services can be used in three ways
 - Start Service
 - Bind to Service
 - Start + Bind to Service

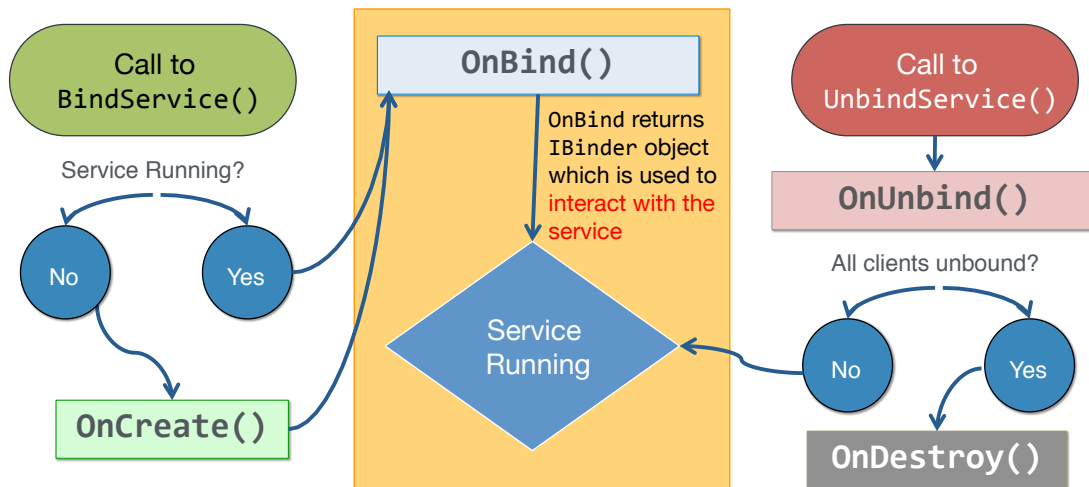


Started Service Lifecycle



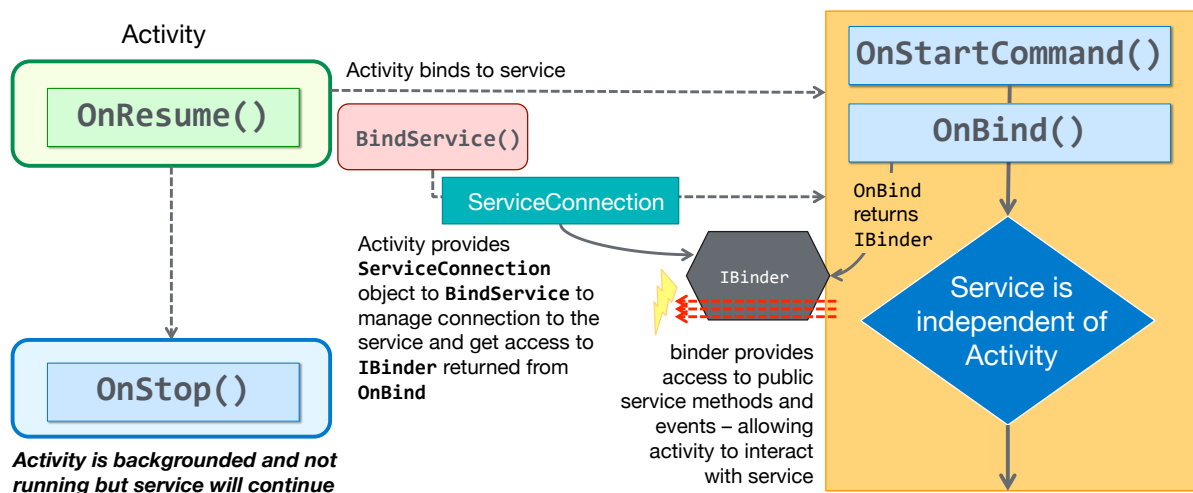
Bound Service Lifecycle

Xamarin University



Big Picture: Android Services

Xamarin University



Lab Summary

- ❖ Activity Lifecycle
- ❖ Start an Android Service
- ❖ Bind to a Service

Questions?



Additional Resources

http://docs.xamarin.com/guides/cross-platform/application_fundamentals/backgrounding/

Xamarin University

XAM210 - Backgrounding

Thank You



Please complete the class survey in your profile:
university.xamarin.com/profile