COS 470 - MOBILE DEVELOPMENT
INTRODUCTION

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## COS 470 MOBILE DEVELOPMENT

## WHAT IS IOS

- ▶ Cocoa Touch
- Media
- Core Services
- Core OS



iOS Technology Overview

COS 470 MOBILE DEVELOPMENT

## CORE OS

- OS X Kernel (64 bit)
- ▶ BSD-UNIX based, Mach 3.0
- Sockets, Security, Certificates
- Power Management
- ▶ File System
- ▶ Bonjour

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CORE SERVICES		
Collections, Address Book		
Networking, Network Services, URL Utilities		
File Access, Preferences		
▶ SQLite		
▶ Core Location		
▶ Threading		
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COS 470 MOBILE DEVELOPMENT		
MEDIA		
Core Audio, OpenAL		
Video Capture & Playback		
▶ JPEG, PNG, TIFF, PDF		
• Quartz (2D), OpenGL ES (3D)		
Core Animation		
COS 470 MOBILE DEVELOPMENT	6	
COCOA TOUCH		
COCOA TOUCH		
▶ Multi-touch		
Core Motion		
View Hierarchy, Alerts, Web View		
Controls		
Image Picker, Camera		
▶ Localization		





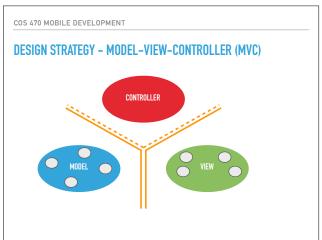
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DEVELOPMENT LANGUAGE(S)

Swift. A powerful open language that lets everyone build amazing apps.

Swift is a robust and intuitive programming language created by Apple for building apps for iOS, Mac, Apple TV, and Apple Watch. It's designed to give developers more freedom than ever. Swift is easy to use and open source, so anyone with an idea can create something incredible.







XCODE DEMO 1 - THE BASICS  Task List Sample  Xcode 9 (latest)  Swift 4 (latest)  iOS Simulator (no phone needed)  Controller and View	13	
NEXT  More Xcode demonstration  adding the Model to the View and Controller  Model View Controller Design in-depth	14	