CIS 399 - iOS App Development

Summer Term 2011

Instructor:
Charles Augustine
hyllus@cs.uoregon.edu

Office / Lab Hours:
• 3:00 - 4:00 PM, Deschutes 100
• By appointment

Resources:
• http://developer.apple.com/library/ios/
• feed://www.cs.uoregon.edu/classes/11U/cis399/iphoneipad/news.xml
• http://www.cs.uoregon.edu/classes/11U/cis399iphoneipad/links.html
Course Objectives

• Learn to use Xcode
  1. Code editor
  2. Interface Builder
  3. Developer documentation
  4. Version control
  5. Debugger/Profiler
  6. Project management

Course Objectives

• Gain familiarity with iOS SDK
  1. Objective-C 2.0 / Objectified C
  2. Memory management
  3. Cocoa Touch (UIKit)
  4. Core Data
  5. Foundation
  6. Localization, Core Motion, Core Text, etc.
Course Objectives

Create an iOS App!

Evaluation

- Grade based primarily on project work
  1. Individual projects*
  2. Delivery milestones
- Small portion based on participation
  1. Be present
  2. Ask questions
Evaluation

Final Project 65%
Project Milestones 30%
Participation 5%

Topic Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Today</td>
<td>7/18 Syllabus, Project Overview, Version Control, Xcode, Objective-C</td>
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<tr>
<td>Tues.</td>
<td>7/19 SDK Overview, Application Life Cycle, Memory Management, Threads / Concurrency</td>
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<tr>
<td>Wed.</td>
<td>7/20 MVC, Application Life Cycle [Part 2], View Controllers, Delegate Pattern</td>
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<tr>
<td>Thurs.</td>
<td>7/21 Standard Views, Interface Builder, Accessibility, NIB vs. Code, IBOutlets/IBActions, NIB loading</td>
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<td>Fri.</td>
<td>7/22 UIScrollView/UITableView, Custom Views, View Life Cycle, Gestures, iPhone vs. iPad, Animation</td>
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# Topic Schedule

<table>
<thead>
<tr>
<th>Mon.  7/25</th>
<th>User Defaults (Settings), Keychain, Core Data</th>
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<tbody>
<tr>
<td>Tues. 7/26</td>
<td>Debugging, Performance Profiling, Testing, Xcode Tips &amp; Tricks</td>
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<td>Wed. 7/27</td>
<td>Other relevant frameworks</td>
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<tr>
<td>Thurs. 7/28</td>
<td>Other relevant frameworks</td>
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<tr>
<td>Fri. 7/29</td>
<td>Other relevant frameworks</td>
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