



Mobile Applications for iPhone and iPad

Course Program, Evaluation, Examination

Mobile Applications for
iPhone and iPad

Telerik Software Academy
<http://academy.telerik.com>

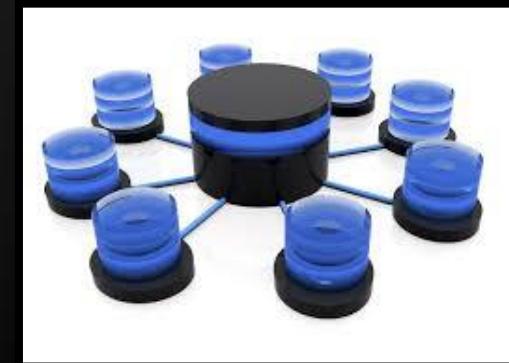
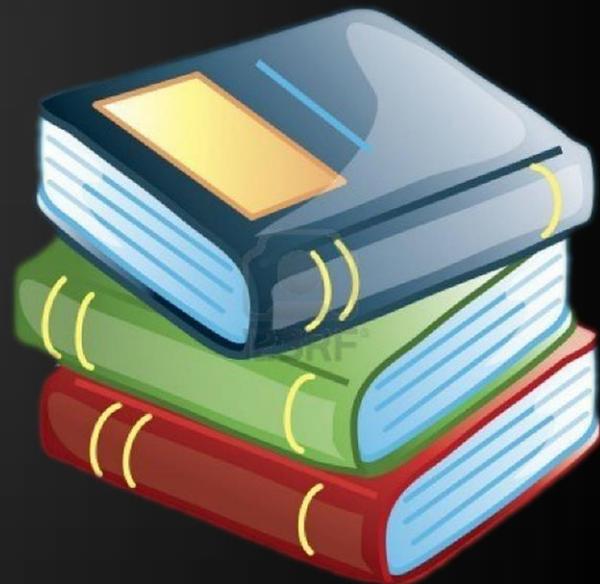


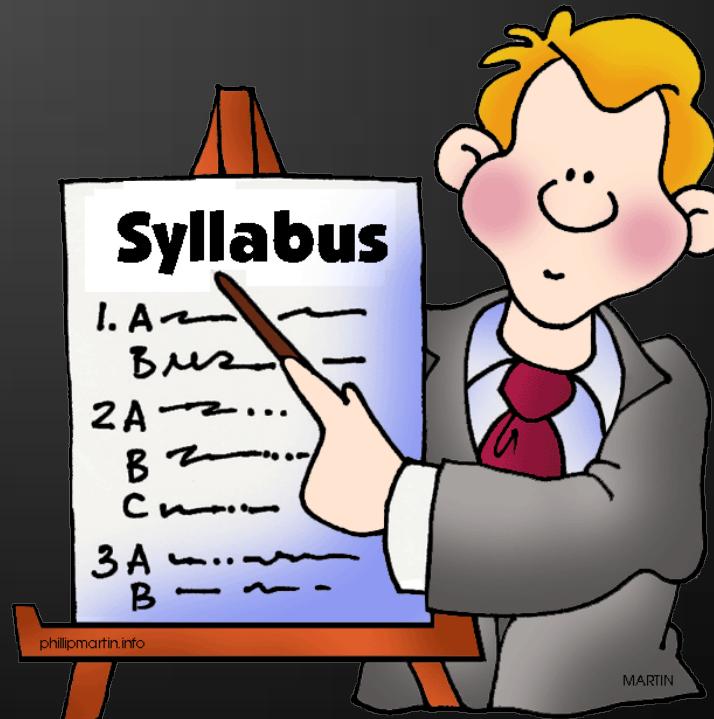
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Mobile Applications for iPhone and iPad Course Program

Topics and stuff



Mobile Applications for iPhone and iPad Course Program

1. Course Introduction
2. Introduction to Programming with Objective C and Xcode
3. Memory Management
4. iOS Hello World Application
5. iOS App Architecture
6. Views and controls
7. Storyboards, UI, Transitions and Controls
8. MVC in iOS App

Mobile Applications for iPhone and iPad Course Program

- 9. App lifecycle
- 10. Custom Views
- 11. Animations
- 12. Notifications
- 13. Working HTTP
- 14. Core Data
- 15. Address book API
- 16. Geolocation API
- 17. Camera API

Mobile Applications for iPhone and iPad Course Program

- 18. User settings**
- 19. Async execution in iOS apps**
- 20. Gestures**
- 21. App config**
- 22. Workshop: Developing an iOS application**
- 23. Project consultation**
- 24. Project consultation**
- 25. Project defense**

The Trainers Team



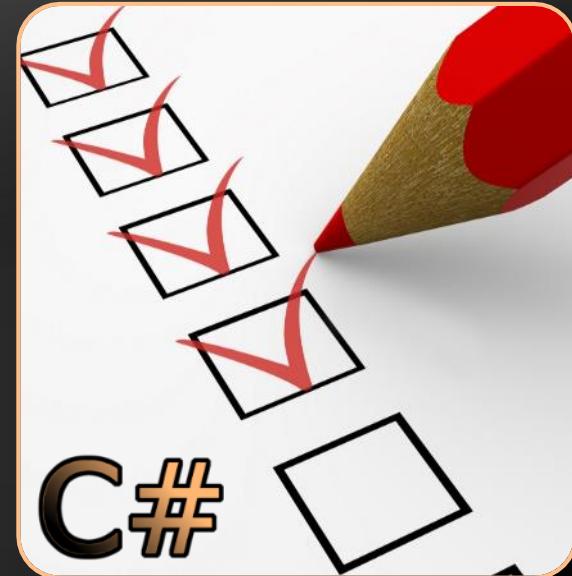
◆ Doncho Minkov

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- ◆ Contestant in the Informatics competitions
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Evaluation

Thank God There Are Bonuses!



iOS Apps : Evaluation

- ◆ Evaluation components
 - ◆ Course project – 75%
 - ◆ Homework – 10%
 - ◆ Homework evaluation – 5%
 - ◆ 3 peer reviews per homework (excellent, OK, bad)
 - ◆ Attendance in class – 10%
- ◆ Bonuses
 - ◆ Forums activity – bonus up to 5%



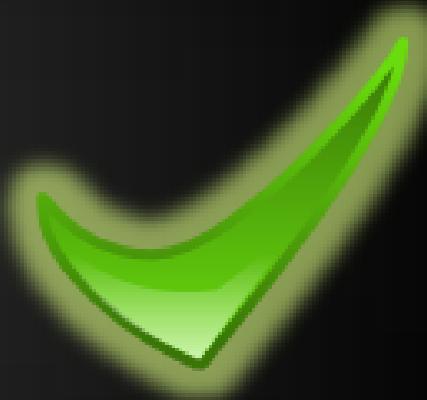
Pass / Excellence / Fail Criteria

- ◆ Criteria for pass / pass with excellence / fail

- ◆ Pass with excellence

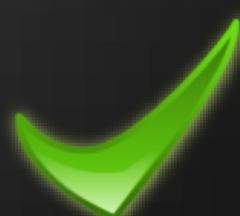
- ◆ Very high exam results

- or



- ◆ High total results

- ◆ Pass



- ◆ Average total results

- ◆ Fail



- ◆ Low total results or low exam results



Homework Peer Reviews

- ◆ Everyone will get feedback for their homework
- ◆ Everyone will give feedback for few random homework submissions
 - ◆ Students submit homework anonymously
 - ◆ Please exclude your name from the submissions!
 - ◆ For each homework submitted
 - ◆ Students evaluate 3 random homeworks
 - ◆ From the same topic, after the deadline
 - ◆ Homework comments are not obligatory

Check Your Presence

- ◆ From now on you should check your presence on the barcode reader 2-3 times a day:
 - ◆ In the morning when lectures begin (~10:30)
 - ◆ After lunch break (~13:30)
 - ◆ When you have data structures and algorithms when the lecture starts (~18:00)

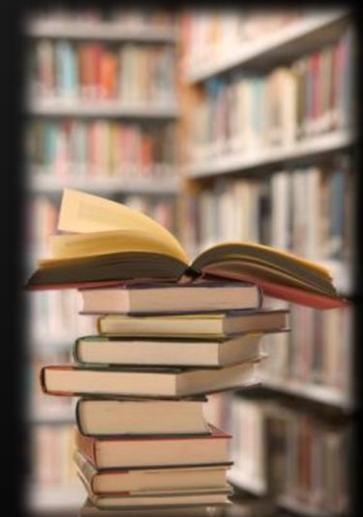
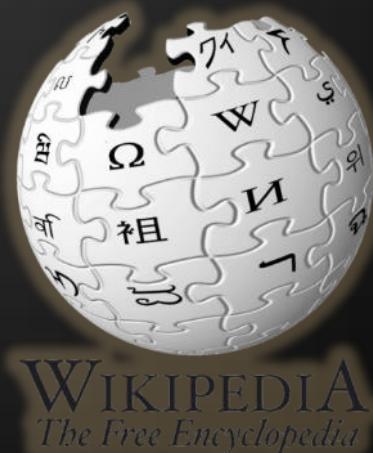
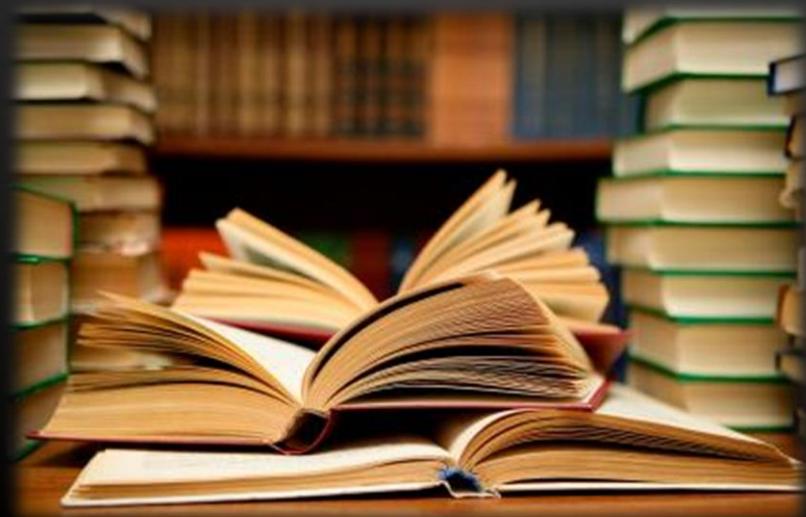


- ◆ The course project will consist of developing an mobile application for iPhone & iPad
 - ◆ In random teams of two
 - ◆ Should work with remote data (REST)
 - ◆ Should use device capabilities
 - ◆ And more
- ◆ More details later today



Resources

What We Need in Addition to this Course Content?



Course Web Site & Forums

- ◆ Register for the "Telerik Academy Forums":

<http://forums.academy.telerik.com/mobile-development/iOS-Mobile-Apps>

- ◆ Discuss the course exercises with your colleagues
- ◆ Find solutions for the exercises
- ◆ Share source code / discuss ideas
- ◆ The mobile apps for iPhone and iPad official web site:

academy.telerik.com/student-courses/software-technologies/iphone-and-ipad-mobile-apps

Telerik Integrated Learning System (TILS)

- ◆ The Telerik Integrated Learning System (TILS)
 - ◆ www.telerikacademy.com
 - ◆ Important resource for all students
 - ◆ Homework submissions
 - ◆ Homework peer reviews
 - ◆ Presence cards with barcode
 - ◆ Reports about your results

The screenshot shows a web-based learning platform interface. At the top, there's a navigation bar with links like 'Начало', 'Софтуерна академия', 'Курсове', 'Архив', 'Помощ', 'Лектор', and 'Админ'. Below the navigation is a search bar. The main content area is titled 'Курс "Бази данни"'. A green header bar contains the title 'Бази данни - юли 2013' and a link 'Описание на курса'. Below this, detailed course information is listed:

- Начална дата: 08/07/2013
- Крайна дата: 25/07/2013
- Лекции за седмица: 5
- Краен срок за записване: 23:59 часа на 14/07/2013

A button 'Записан/а със онлайн участие в този курс' with an info icon is visible. At the bottom, there's a table showing course modules with columns for 'Име на лекција', 'Домашно', 'Опитване - и домашно', and 'Материали'. The table lists three modules: 'Въведение в курса "Бази данни" 2013', 'Въведение в съвременните бази данни', and 'Въведение в MS SQL Server и MySQL'. Each module has a corresponding 'Лекцијата има домашно.' and 'Лекцијата все още няма материали' entry in the 'Материали' column.

telerikacademy.com/Courses/Courses/Details/198

Required Software

- ◆ Software needed for this course:
 - ◆ MAC OS X OS
 - ◆ At least MAC OS X 10.8 Mavericks
 - ◆ Xcode IDE
 - ◆ Tools for working with git and GitHub

Mobile apps for
iPhone & iPad



Questions?



Free Trainings @ Telerik Academy

- ◆ C# Programming @ Telerik Academy

- ◆ csharpfundamentals.telerik.com



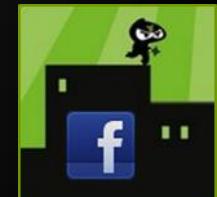
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