Proseminar/Seminar Teaching iOS

Info Meeting (25 January 2016)

Goals

Participate as tutor in the introduction courses for the iPraktikum (approx. 100 students)

Learn how to teach Swift and concepts of advanced Software Engineering to students with varying knowledge

Deepen your knowledge in iOS development

Have fun :-)

A typical day in the intro course

Our Philosophy

"Tell me and I will forget.

Show me and I will remember.

Involve me and I will understand.

Step back and I will act."

(Chinese Proverb)

Prerequisites

- You are familiar with the concept of object oriented languages

- You have experience in iOS development

  - Good knowledge in Swift

  - Experience with Objective-C is a plus

- You are highly motivated to take this course

Course Schedule

- Between **April 4** and **April 15** (preliminary)

- **3 tracks** with **11 sessions** each

- About **30 students** in each course

- We hold different kinds of sessions

  - Instructors: 6 sessions about **Swift, Xcode and iOS development**

  - Instructors: 2 sessions about **Workflow Topics** (e.g. Branch Management)

  - Tutors: 2 - 4 sessions about **advanced topics**

You are here :-)

Style of the sessions

90 min hands-on presentation

- Students immediately exercise the learned concepts in small examples

- A solution is provided

30 min Exercise

- Summarizes the content of the whole presentation

- The students have to solve it on their own

- You correct the exercise solutions and give feedback to the students

What we expect during the course

- You attend all your sessions of your assigned track

- You support the participants by answering their questions

- You correct the exercise solutions

- Your prepare your own presentation/exercise and tutorial for a topic

- You present the topic in all three tracks

Sessions

Instructor topics

- Swift: Intro, Intermediate, Advanced

- Your First iOS App

- Storyboarding

- Model View Controller

- Branch Management

Possible topics for tutors

- UI Design

- WatchKit

- RESTful Services

- Release Management

- Your ideas?

Milestones

- **Mid-February:** structure of your presentation and tutorial

- **End of February:** presentation and exercise

- **Mid-March:** you do a dry run of your presentation in front of us and get feedback

- **Beginning of April:** final slides and exercises

How we grade

- Presentation (40%)

- Tutorial (10%)

- Support (20%)

- Exercise correction (30%)

Registration process

1 Express your intention by filling out the form at
www1.in.tum.de/teaching (-> Teaching iOS)
Due: January 26 14:00

2 We invite you to a personal interview on Jan 28 or 29
Latest: January 26 20:00

3 After we have accepted you, prioritize the Proseminar/Seminar
"Teaching iOS" in the department's matching system
Between: January 29 - February 03

Questions?

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