



Seminar

Teaching iOS

Info Meeting (July 8, 2015)



Goals

- Participate as tutor in the Swift introduction courses for the iOS Praktikum (approx. 100 students)
- Learn how to teach advanced software engineering concepts
- Deepen your knowledge in iOS development
- Have fun :-)






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)














































































































































iOS Praktikum 2015

Program Management

 **Lukas Alperowitz**
Program Manager
 **Dora Dzvonyar**
Program Manager
 **Bernd Bruegge**
Program Manager
Methodologist

Infrastructure

 **Helma Schneider**
Head of Technology
Administration
 **Franz Beilmaier**
Technical
Administration
 **Monika Markl**
Chair Secretary
 **Ruth Demmel**
Head of Movie Team

Allianz	T-Systems	wirecard	Audi	BMW	BOKOWSKY & LAYMANN	BR	SIEMENS	Lufthansa	NTT DATA	SIEMENS	Coach Instructors			
Project Management  Dr. Andrea Rohde Allianz  Karl Schriek Allianz  Dr. Pouya Tafti Allianz Project Management  Bernd Bruegge Project Leader	Project Management  Dr. Stephan Verclas T-Systems  Prof. Dr. Birgit Vogel-Heuser LS Automatisierung & Informationssysteme  Thomas Kirchner ProGlove Project Management  Constantin Scheuermann Project Leader	Project Management  Kaloyan Enimanev Wirecard  Sreelekha Sankar Wirecard  Sunniva Darcy Wirecard Project Management  Nitesh Narayan Project Leader	Project Management  Jonas Reimers Quartett Mobile  Jörg Flerlage Audi AEV Project Management  Stefan Nosović Project Leader	Project Management  Vitus Holzner BMW  Florian Pitschmann BMW Project Management  Stephan Krusche Project Leader	Project Management  Markus Bokowsky Bokowsky & Laymann  Amel Mahmuzic Bokowsky & Laymann Project Management  Zardosht Hodaie Project Leader	Project Management  Mustafa Isik Bayrischer Rundfunk Project Management  Martin Wagner Project Leader	Project Management  Prof. Dr. Monika Sturm Siemens CT  Markus Sauer Siemens CT Project Management  Constantin Scheuermann Project Leader  Andreas Seitz Project Leader	Project Management  Johannes Hansen Lufthansa Technik  Tobias Mohr Lufthansa Technik Project Management  Lukas Alperowitz Project Leader	Project Management  Frank von Eitzen NTT DATA Project Management  Dr. Yang Li Project Leader	Project Management  Dr. Asa MacWilliams Siemens CT  Steffen Klepke Siemens CT Project Management  Zardosht Hodaie Project Leader	 René Mlizek Team Coach  Maximilian Strobel Team Coach  Raoul Friedrich Team Coach  Dominic Giebert Team Coach  Maximilian Schramme Team Coach  Florian Fittschen Team Coach  Mariana Avezum Team Coach  Hanna Schäfer Team Coach  Philip Kluz Team Coach  Arian Avini Team Coach  Jana Pejić Team Coach  Lukas Alperowitz  Dora Dzvonyar  Andreas Seitz			
Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Modeling			
 Ana Petrovska	 Leonardo Serra	 Jon Tingvold	 Spyridon Chalikias	 Maximilian Frei	 Lewon Simonian	 Daniel Soller	 Yuanrui Li	 Jonas Zitzelsberger	 Karl Mattes	 ChenYang Chen	 Dora Dzvonyar	 Raoul Friedrich	 Dominic Giebert	 Maximilian Schramme
Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management			
 André Kohn	 Alexander Harlass	 Maximilian Flis	 Dmitry Zeldin	 Oriana Baldizan	 Anna Kolpakova	 Karim Alweheshy	 Jan Wasgint	 Julian Geistbeck	 Joan Perez Guerrero	 Mathias Quintero	 Lukas Alperowitz	 Christoph Graumann	 René Mlizek	 Dominique d'Argent
Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture	Architecture			
 Simon Rummert	 Johannes Bachhuber	 Daniel Gruber	 Luc Gaasch	 Ibrahim Al-Khayat	 Michael Kratzer	 Frank Hermann	 Ann Katrin Gibtnr	 Florian Kistner	 Manuel Schultheiss	 Nikolaos Tzioras	 Andreas Seitz	 David Frey	 Florian Fittschen	 Philip Kluz
 Ilya Migal	 Galina Volynets	 Katharina Bui	 Apostolos Diamantis	 Amr Arafat	 Hermann Groz	 Alona Kharchenko	 Alihan Livdumlu	 Frederic Furtmeier	 Agnes Köhler	 Adnan Makhani				
 Imran Badshah	 Konstantin Kromer	 Marten Schwarzmann	 Astrid Berchtold	 Benedikt Gessele	 Pascal Philipp	 Arsatius Regler	 Bastian Rodehüser	 Katharina Schneeweiss	 Ahmed Wadi	 Andrada Stan				
 Lukas Sandmeir	 Sri Vishnu Totakura	 Michaela Tiebler	 Benjamin Strobel	 Daniel Göhlen	 Uygar Tarakci	 Thomas Guenzel	 Chrysa Papadaki	 Marcus Höfer	 Henning Helmbrecht	 Cecil Wöbker				
 Patrick Nieves	 Ulrike Niemann	 Torben Teepe	 Duc Huy Bui	 Mohamed Ibrahim	 Volker Bischoff					 Hesham Ghandour	 Dominik Drexler			
 Sirna Gjorgievskva			 Zolboo Ochirsukh					 Hoang Yen Nguyen	 Marie Weintraud	 Julia Ludmann	 Hanlin Liang			

Course Schedule

- Between **October 5** and **October 16** (preliminary)
- **3 tracks** with **11 sessions** each
- About **30 students** in each course
- We do **6 sessions** about Swift, Xcode and iOS development
- We do **2 sessions** about Workflow Topics (e.g. Branch Management)
- The tutors hold **2 - 4 sessions** about advanced topics

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

- The exercise summarizes the content of the whole presentation
- The students have to solve it on their own
- Tutors correct the exercise solutions and give feedback to the students

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

What we expect during the course

- You attend all your sessions of your assigned course
- You support the participants by answering their questions
- You check the exercise solutions
- You prepare your own presentation/exercise and tutorial for an advanced topic
- You present the topic in all three courses

Introduction Topics

- Introducing Swift
- Your First iOS App
- Intermediate Swift
- Storyboarding
- Advanced Swift
- Model View Controller

Possible topics for tutors

- Data Serialization
- RESTful Services
- Core Data (optional)
- Branch Management
- Release Management

Milestones

- You create the structure of your presentation and tutorial until the **mid of August**
- You create a presentation and the exercise until **end of August**
- **Middle of September** you hold a dry run of your presentation in front of us
- You include the feedback and deliver the final slides and exercises until the **beginning of October**

How we grade

- Presentation (40%)
- Tutorial (20%)
- Support (20%)
- Exercise correction (20%)

Registration process

- 1 Apply via email (Details www1.in.tum.de/ios (-> Teaching iOS)
Due: July 8
- 2 We invite you to a personal interview
Latest: July 14
- 3 After we have accepted you prioritize the Seminar/Praktikum „Teaching iOS“
in the matching system
Between: July 10 - July 15

Questions?