

Seminar

Teaching iOS

Winter Semester 2023/24 - Info Meeting



Matthias Linhuber



Maximilian Sölch



Prof. Stephan Krusche

Goals



- Participate as tutor in the introduction courses for the iPraktikum (large-scale practical course)
- Learn how to teach Swift and concepts of advanced Software Engineering to students with varying knowledge
- Deepen your knowledge in iOS development
- Have fun 🥳



The Intro Course



Course Schedule

- Course duration: **Oct 09 - Oct 17**
- Different kinds of sessions
 - ~ 20 sessions about Swift, Xcode, and iOS development
- We keep the Rechnerhalle open 8:30 am - 6:00 pm for students to complete their exercises
- Learn more about the course [here!](#)

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)

Style of the sessions

15-45 min hands-on presentation

- Students immediately exercise the learned concepts in small in-session exercises (instructor walks them through the code)
- A solution is provided

Introcourse Project (Homework)

- Students build their own app during the introcourse
- The students have to solve it on their own
- You assess the exercise solutions and give feedback to the students

What we expect during the course

- **You help run the intro course**
 - You attend all the sessions
 - You support the participants by answering their questions
 - You correct the project submissions of a group of “your” students
 - You take turns being present during lab times (8:30am - 6:00pm)

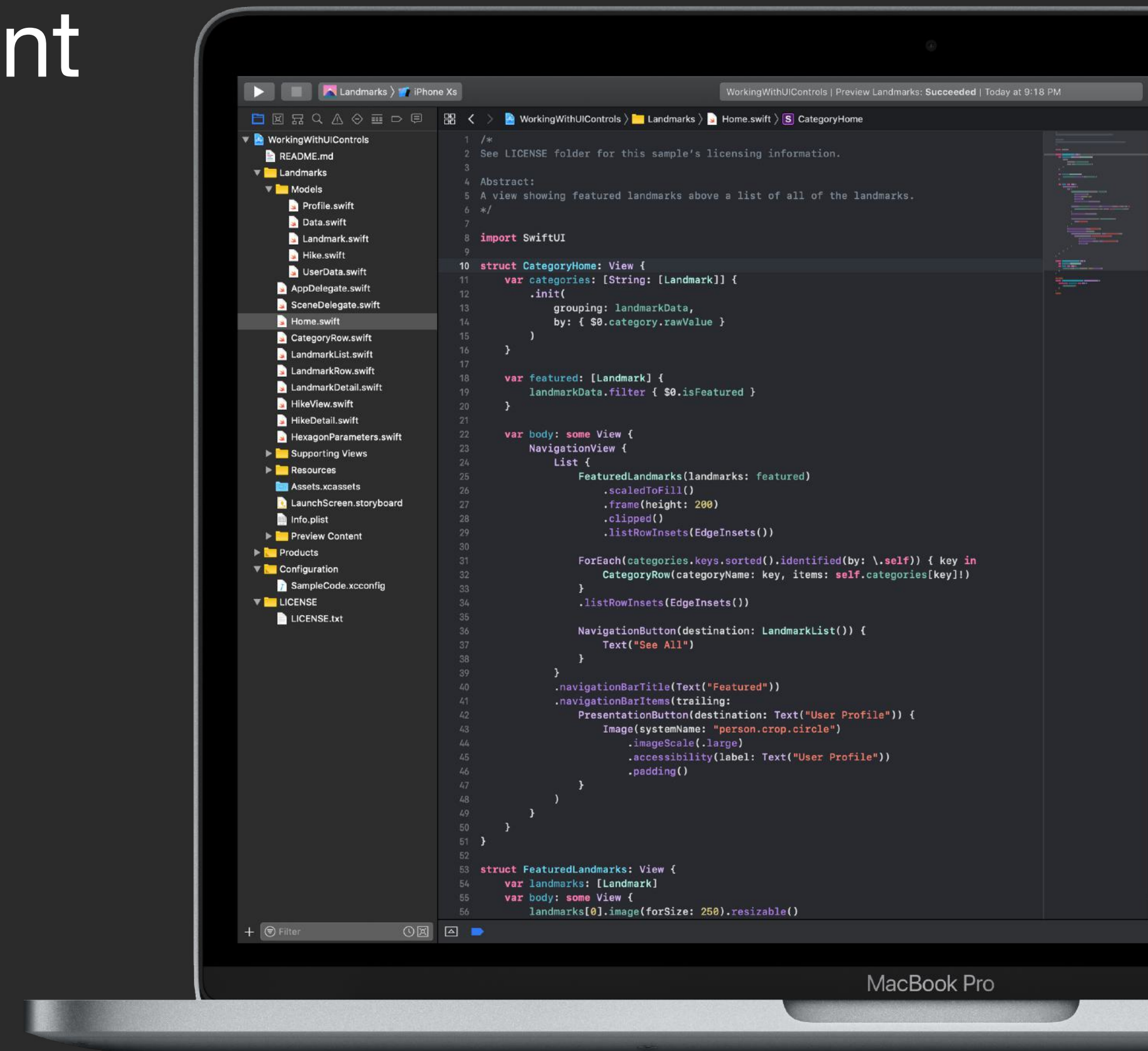


What we expect during the course

- **You deliver different sessions**
 - You create presentation slides & exercises
 - You prepare yourself to present the topics in front of all students

Prerequisites

- You are familiar with the concept of object-oriented languages
- You have experience in iOS development
 - Good knowledge in Swift
- You are highly motivated to take this course — no other obligations and flexibility during the full duration of the intro course (except repeat exams/obligatory university courses)



Milestones



- **July 27, 10:00 - 12:00: Kickoff**
- **Weekly (between August and September):
On-site Tutor Meetings**
- **October 09: Start of Intro Course**
- **October 17: End of Intro Course**

Registration process

Next Monday!

1

Express your intention by filling out the form

Latest: Monday, July 10, End of day (Munich time)

2

We invite you to a personal interview latest on Tuesday, July 11

Interviews: Friday, July 14

3

After we have accepted you, prioritize the Seminar “Teaching iOS” in the department’s matching system

Latest: Wednesday, July 19



Questions?

ios@in.tum.de