

Apple Swift based Application Development practice



Practice 1 Introduction



Introduction

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Recommended knowledge

- ▶ Necessary:
 - Object-oriented programming
- ▶ Recommended:
 - Programming models



Obligation

- ▶ Attendance at practices are compulsory
 - How to check: from 2nd to 11th practices mini tests in Coospace
 - Allowed number of absence: at requirements of mini tests



Structure of practices

- ▶ Mini test in 5-10 minutes
- ▶ Creating examples together
 - Get familiar with the Apple environment
 - Get familiar with the technology
 - Get experiences in mobile application development
- The projects and the presentations will be available in CooSpace and on my website as well
- ▶ Official lecture notes
 - Uploaded by the lecturer



Mini tests

- ▶ Solve mini test in 5-10 minutes
 - Create on these Mac computers
 - The problems come from the materials that we've learnt last week
 - Binary evaluation: successful / not successful
 - One or two days after the practice, you'll see your solution



Extra point

- ▶ If someone gets extra points through the course, it'll be added to your mini test points
 - **They won't be count into the minimum**



Minimum requirements

- ▶ Till the end of the semester you have to create a bigger project
 - Reach at least 50%
 - Specifications later
 - The project can be created in this class
 - The available time to do it: 4 x 90 minutes (the last 3 practices)



Determining the final mark

- ▶ If the final project reaches at least 90%, you'll get a 5 to the whole course
- ▶ If someone doesn't reach this percentage, he/she has to write an exam in the examining period



Topics

- ▶ 1. Introduction, Swift basics I.
- ▶ 2. Swift basics II.
- ▶ 3. Swift basics III.
- ▶ 4. Using MVC model
- ▶ 5. Using MVC modell (View elements)
- ▶ 6. Using more MVC models together
- ▶ 7. User interactions, lifecycles of applications
- ▶ 8. Database operations (CoreData)
- ▶ 9. Apple Watch application development
- ▶ 10. Spring holiday – No lecture, no practice!!!
- ▶ 11. Apple TV application development
- ▶ 12. Creating mini project (1st part)
- ▶ 13. Creating mini project (2nd part)
- ▶ 14. Creating mini project (3rd part)



**Good luck to the whole
semester! ;)**