

# Introduction

## Android Smartphone Programming

University of Freiburg

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## Android Smartphone Programming

ESE/ Informatik Bachelor Projekt (4/ 5/ 6 ECTS)

- Exercise sheets (5 ECTS)
- Additional project (+1 ECTS)



- Six exercise sheets (5 ECTS)
  - 1-2 topics per exercise sheets
  - 2-3 weeks time to work per exercise sheets
- Project (+1 ECTS)
  - 2 weeks time to work

## Tasks

- Solve exercise sheets
  - Programming tasks
  - Java knowledge is required
  - Comments/ Report
- Project similar to the exercise sheets



## Meetings

- *Tuesday, 2pm - 4pm*
- *Room SR 00-019, Building 079*
  
- Meeting weeks
  - Discussion of the last exercise sheet
  - Introduction/ presentation of the next exercise sheet
- Free weeks
  - Free time to work
  - Consultation-hour
- Class attendance is not mandatory
- No weekly meeting
- Weekly room reservation
  - Time for free work



## Assistant / Tutor

### Matthias Keil

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### Christian Marschall

**Email** marschac@informatik.uni-freiburg.de

**Webpage** [proglang/teaching/androidpracticum/2014/](http://proglang/teaching/androidpracticum/2014/)





Email to Matthias Keil till  
Wednesday, 22.10.2014 12:00 (midnight)

- *name, prename*
- *email address*
- *tf username*
- *study program/ required ECTS points*



# Preliminary Timetable

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- 1) 21.10.2013 Kick-Off Meeting, Introduction to Exercise 1/2
- 2) 28.10.2013 Deadline: Exercise 1
- 3) 04.11.2013 Deadline: Exercise 2, Introduction to Exercise 3
- 4) 11.11.2013
- 5) 18.11.2013
- 6) 25.11.2013 Deadline: Exercise 3, Introduction to Exercise 4
- 7) 04.12.2013
- 8) 09.12.2013 Deadline: Exercise 4, Introduction to Exercise 5
- 9) 16.12.2013
- 10) 25.12.2013
- 11) 30.12.2013 *Christmas break*
- 12) 06.01.2014 *Christmas break*
- 13) 13.01.2014 Deadline: Exercise 5, Introduction to Exercise 6
- 14) 20.01.2014
- 15) 27.01.2014 Deadline: Exercise 6, Introduction to the Project
- 16) 03.02.2014
- 17) 10.02.2014 Deadline: Project





## Exercise

- *Eclipse Project* for each exercise (e.g. *exercise1\_1*)
- Use package names (e.g. *androidlab.exercise1\_1*)
- One *folder* for each exercise

## Deadline

- Deadline: 12:00 (noon)
- Submit your solution to the subversion repository





- No fine-grained grading system
  - Because of individual solutions
- Exercise gets divided in *features*
- Points for required *features*
  - Points deduction for errors
  - Efficiency and clear code is required
  - You are strongly encouraged to test your solution



- No fine-grained grading system
  - Because of individual solutions
- Exercise gets divided in *features*
- Points for required *features*
  - Points deduction for errors
  - Efficiency and clear code is required
  - You are strongly encouraged to test your solution
- The exercises have to be done by yourself
  - Team work is not allowed
  - You are not allowed to copy source code
- Used foreign code (e.g. classes, libraries) has to be marked



- Provide your source code with comments
  - *if required*
- Clear and understandable style is required
- **Comments do not explain it the code**
- Comments clarify its intent

## Bad style

```
1 // declare name
2 // concatenates uid and nr
3 String name = uid + nr;
```

## Good style

```
1 // declares the username used for ...
2 String name = uid + nr;
```





- Formal description of the implemented program
  - Intent, structure, problems
- Limited to one page
- Either in German or in English
- Clear and understandable style is required





## Questions ?





Attendance ?

