Introduction Android Smartphone Programming

University of Freiburg

Matthias Keil Institute for Computer Science Faculty of Engineering University of Freiburg

1 General Information

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- 3 Submissions









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





Time and Place

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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/





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





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- 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





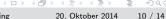


Grading University of Freiburg

- 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



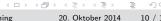




- No fine-grained grading system
 - Because of individual solutions
- Exercise gets divided in features
- Points for required features
 - Points deduction for errors
 - Efficiency and clear code is required
 - You are strongly encouraged to test your solution
- The exercises have to be done by yourself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

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

Good style





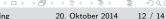




- Formal description of the implemented program
 - Intent, structure, problems
- Limited to one page
- Either in German or in English
- Clear and understandable style is required



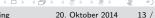




Questions?









Attendance?





