


Introduction

Android Smartphone Programming

University of Freiburg

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 Institute for Computer Science
 Faculty of Engineering
 University of Freiburg
 20. Oktober 2017





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Outline

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- 1 General Information
- 2 Organizational Matters
- 3 Submissions

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Topics

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Android Smartphone Programming

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

- Seven exercise sheets
 - 1-2 topics per exercise sheets
 - 2-3 weeks time to work per exercise sheets
- Sixth exercise sheet only for 5 ECTS
- Sixth and seventh exercise sheet only for 6 ECTS

Tasks

- Solve exercise sheets
 - Programming tasks
 - Java knowledge is required
 - Comments/ Report

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Time and Place

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Meetings

- Friday, 2:15pm - 4:00pm
- Room SR 00-019, Building 079

- No weekly meeting
- 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
- Weekly room reservation
 - Time for free work



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Organizational Matters

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Assistant / Tutor

Tim Aicher

Email aichert@tf.uni-freiburg.de

Webpage proglang/teaching/androidpracticum/2017/



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Registration of Participants

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Email to Tim Aicher until
Wednesday, 25.10.2017 12:00 (midnight)

- name, first name
- email address
- tf username (pool account)
- study program/required ECTS points



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Preliminary Timetable

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- 1) 20.10.2017 Introduction to Android, Android User Interface
- 2) 27.10.2017
- 3) 03.11.2017 **Android Components**
- 4) 10.11.2017
- 5) 17.11.2017
- 6) 24.11.2017 **Android Components 2**
- 7) 01.12.2017
- 8) 08.12.2017
- 9) 15.12.2017 **Android Locations**
- 10) 22.12.2017
- 11) 29.12.2017 *Christmas break*
- 12) 05.01.2018 *Christmas break*
- 13) 12.01.2018 **Android Telephony**
- 14) 19.01.2018
- 15) 26.01.2018
- 16) 02.02.2018 **Android and OpenGL**
- 17) 09.02.2018



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Submissions

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Exercise

- *Android Studio Project* for each exercise (e.g. *exercise1*)
- Use package names (e.g. *androidlab.exercise1*)
- One *folder* for each exercise

Deadline

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



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Grading

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- 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
- Exercises have to be done individually
 - Team work is not allowed
 - You are not allowed to copy source code
- Use of foreign code (e.g. classes, libraries) has to be marked



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Comments

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- Include English comments in your source code, *if required*
- Clear and understandable
- **Comments do not explain 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;
```



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Report

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- Description of the implementation
 - Intent, structure, problems
- Limited to one page
- Either in German or in English
- Clear and understandable style is required



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Questions

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Questions ?



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