Introduction
Android Smartphone Programming

University of Freiburg

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19. Oktober 2015

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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

Meetings

- *Monday, 2pm - 4pm*
- *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

Assistant / Tutor

Matthias Keil

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Julian Jarecki

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Webpage `proglang/teaching/androidpracticum/2015/`

Registration of Participants

University of Freiburg

Email to Matthias Keil until
Thursday, 22.10.2015 12:00 (midnight)

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

1)	19.10.2015	**Introduction to Android, Android User Interface**
2)	26.10.2015	
3)	02.11.2015	**Android Components**
4)	09.11.2015	
5)	16.11.2015	
6)	23.11.2015	**Android Components 2**
7)	30.12.2015	
8)	07.12.2015	
9)	14.12.2015	**Android Locations**
10)	21.12.2015	
11)	*28.12.2015*	*Christmas break*
12)	*04.01.2016*	*Christmas break*
13)	11.01.2016	**Android Telephony**
14)	18.01.2016	
15)	25.01.2016	
16)	01.02.2016	**Android and OpenGL**
17)	08.02.2016	

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

- 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

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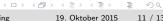
- Formal description of the implemented program
  - Intent, structure, problems
- Limited to one page
- Either in German or in English
- Clear and understandable style is required

Questions ?

Attendance !