

Master-Praktikum: Mobile Application Development

Balazs Toth

WS26/27



- Bachelor and Master Informatics: TUM (2016-2023)
- Working Student as Mobile Developer: QuickBird Studios (2018-2023)
- Mobile Developer: QuickBird Studios (2023)
- PhD Theoretical Computer Science: LMU (since 2023)

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67
- First 7 weeks: Lectures and guest lectures

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67
- First 7 weeks: Lectures and guest lectures
- First 5 weeks: Homework assignments

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67
- First 7 weeks: Lectures and guest lectures
- First 5 weeks: Homework assignments
- First 5 weeks:
Homework sessions every Wednesday 14:15–15:45, room L109, Oettingenstr. 67

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67
- First 7 weeks: Lectures and guest lectures
- First 5 weeks: Homework assignments
- First 5 weeks:
Homework sessions every Wednesday 14:15–15:45, room L109, Oettingenstr. 67
- Rest of the semester: Working on projects

- Every Monday, 12:15–15:40, room 067, Oettingenstr. 67
- First 7 weeks: Lectures and guest lectures
- First 5 weeks: Homework assignments
- First 5 weeks:
Homework sessions every Wednesday 14:15–15:45, room L109, Oettingenstr. 67
- Rest of the semester: Working on projects
- End: Presentation of projects

- Website:
www.tcs.ifi.lmu.de/teaching/courses-ws-2026-27/mobile-application-development
 - General information

- Website:
www.tcs.ifi.lmu.de/teaching/courses-ws-2026-27/mobile-application-development
 - General information
- Zulip Stream: TCS-26W27-App-Dev
 - Announcements and questions

- Website:
www.tcs.ifi.lmu.de/teaching/courses-ws-2026-27/mobile-application-development
 - General information
- Zulip Stream: TCS-26W27-App-Dev
 - Announcements and questions
- Homework: TBA
 - Live coding, homework assignments and project

- Website:
www.tcs.ifi.lmu.de/teaching/courses-ws-2026-27/mobile-application-development
 - General information
- Zulip Stream: TCS-26W27-App-Dev
 - Announcements and questions
- Homework: TBA
 - Live coding, homework assignments and project
- Android Studio: www.jetbrains.com/toolbox-app/ or developer.android.com/studio
 - Install it **now!**

Homework Assignments

- 4 homework assignments during the first 5 weeks.

Homework Assignments

- 4 homework assignments during the first 5 weeks.
- Not graded, but **mandatory!** All 4 homeworks must be handed in to pass the course!

Homework Assignments

- 4 homework assignments during the first 5 weeks.
- Not graded, but **mandatory!** All 4 homeworks must be handed in to pass the course!
- Deadline: 2 weeks after lecture

Homework Assignments

- 4 homework assignments during the first 5 weeks.
- Not graded, but **mandatory!** All 4 homeworks must be handed in to pass the course!
- Deadline: 2 weeks after lecture
- I'll check each homework, but cannot correct it in detail

Homework Assignments

- 4 homework assignments during the first 5 weeks.
- Not graded, but **mandatory!** All 4 homeworks must be handed in to pass the course!
- Deadline: 2 weeks after lecture
- I'll check each homework, but cannot correct it in detail
- **No LLMs for code generation!**
- Questions: In class, on Zulip or in code comments.

- You develop an Android App

Project

- You develop an Android App
- Starts after 5th lecture

Project

- You develop an Android App
- Starts after 5th lecture
- In groups of 2 (or 3)

Project

- You develop an Android App
- Starts after 5th lecture
- In groups of 2 (or 3)
- I'll propose example projects—You can come up with own ideas

Project

- You develop an Android App
- Starts after 5th lecture
- In groups of 2 (or 3)
- I'll propose example projects—You can come up with own ideas
- Deadline: TBA

Project

- You develop an Android App
- Starts after 5th lecture
- In groups of 2 (or 3)
- I'll propose example projects—You can come up with own ideas
- Deadline: TBA
- Date of presentations: TBA

Project

- You develop an Android App
- Starts after 5th lecture
- In groups of 2 (or 3)
- I'll propose example projects—You can come up with own ideas
- Deadline: TBA
- Date of presentations: TBA
- **No LLMs for code generation!**

What is graded?

- Code: Structure, architecture, functionality, tests

What is graded?

- Code: Structure, architecture, functionality, tests
- The code must compile

What is graded?

- Code: Structure, architecture, functionality, tests
- The code must compile
- Documentation: README explaining your code structure and app functionality

What is graded?

- Code: Structure, architecture, functionality, tests
- The code must compile
- Documentation: README explaining your code structure and app functionality
- Presentation (5 min per person): Present your app—How does it work? Why did you build it the way you did?

What is graded?

- Code: Structure, architecture, functionality, tests
- The code must compile
- Documentation: README explaining your code structure and app functionality
- Presentation (5 min per person): Present your app—How does it work? Why did you build it the way you did?
- Code Review (5-10 min per person): We ask you questions about your code—Everyone should know every part of their project!

1. Kotlin - Part 1 (19.10.2026)
2. Kotlin - Part 2 (26.10.2026)
3. Compose UI (02.11.2026)
4. Android (09.11.2026)
5. Android and Compose UI (16.11.2026)
6. Guest Lecture 1 (23.11.2026, mandatory attendance)
7. Guest Lecture 2 (01.12.2026, mandatory attendance)

Questions?