

Master-Praktikum: Mobile Application Development

Balazs Toth

WS25/26



- 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, 14:00–16:00, room 067, Oettingenstr. 67
- First 6 weeks: Lectures and homework
- First 6 weeks:
Homework sessions every Friday 16:00–18:00, room 061, Oettingenstr. 67
- Rest of the semester: Working on projects
- End: Presentation of projects

- Website: www.tcs.ifi.lmu.de/lehre/ws-2025-26/app_dev_de.html
 - General information
- Zulip Stream: TCS-25W26-App-Dev
 - Announcements and questions
- GitHub Classroom: classroom.github.com/classrooms/231230190-tcstp-mobile-application-development
 - 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 6 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 ChatGPT for code generation!**
- Questions: In class, on Zulip or in code comments.

Project

- You develop an Android App
- Starts after 6th 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 ChatGPT for code generation!**

What is graded?

- Code: Structure, architecture, functionality, tests
- 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 min per person): We ask you questions about your code—Everyone should know every part of their project!

1. Kotlin - Part 1 (13.10.2025)
2. Kotlin - Part 2 (20.10.2025)
3. Compose UI (27.10.2025)
4. Android (03.11.2025)
5. Android and Compose UI (10.11.2025)
6. Gradle and Testing (17.11.2025)

Questions?