



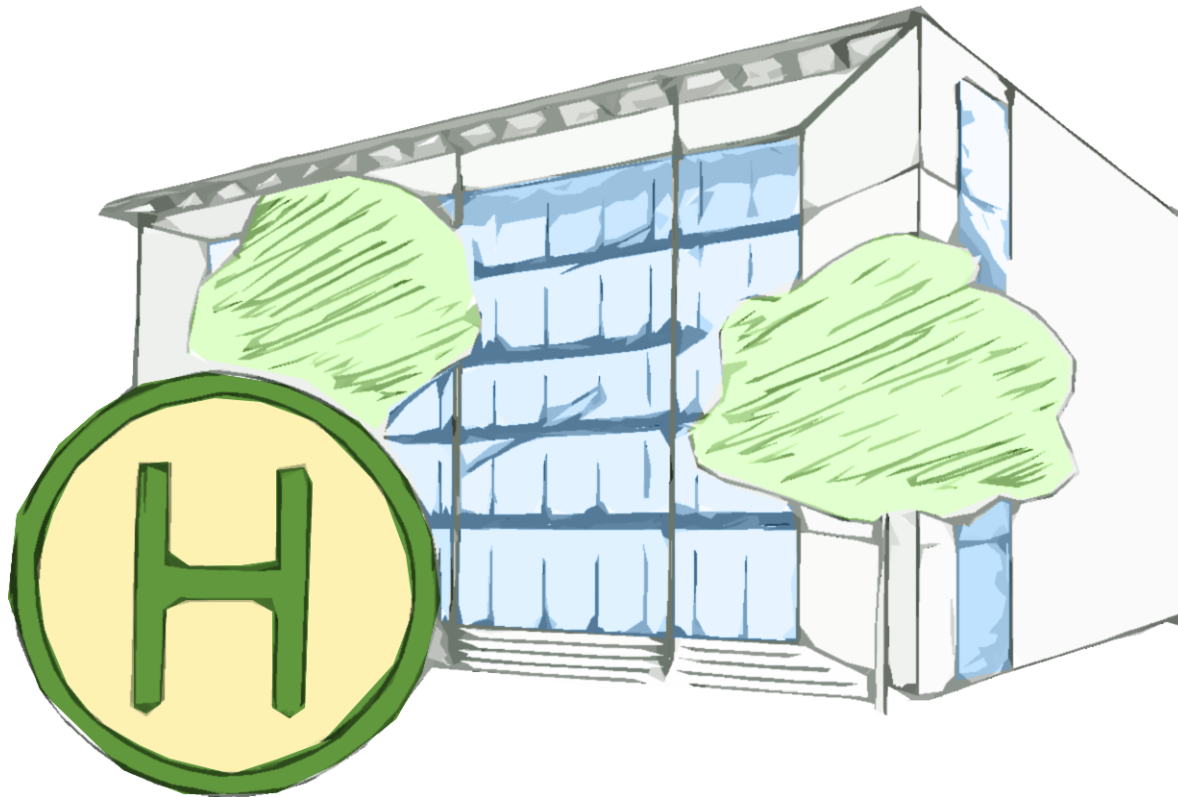
# Application Development for Mobile and Ubiquitous Computing

## Seminar Task First Presentation

GroupNo. 5

Team: Tom Horak, Christina Korger

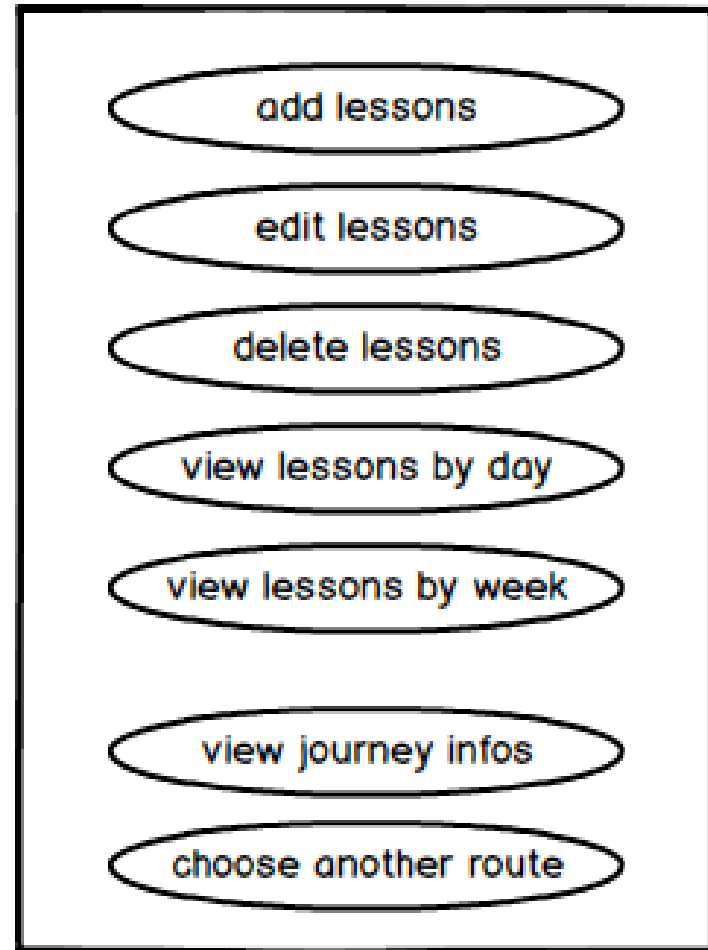
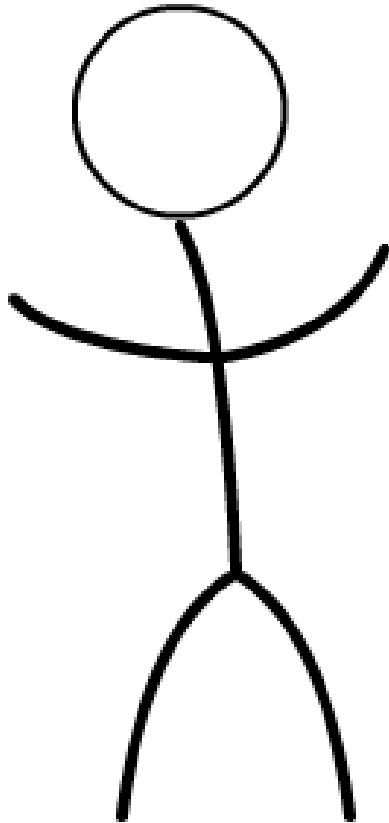
**TUDinTime:** timetable application for TU students with auto journey planner



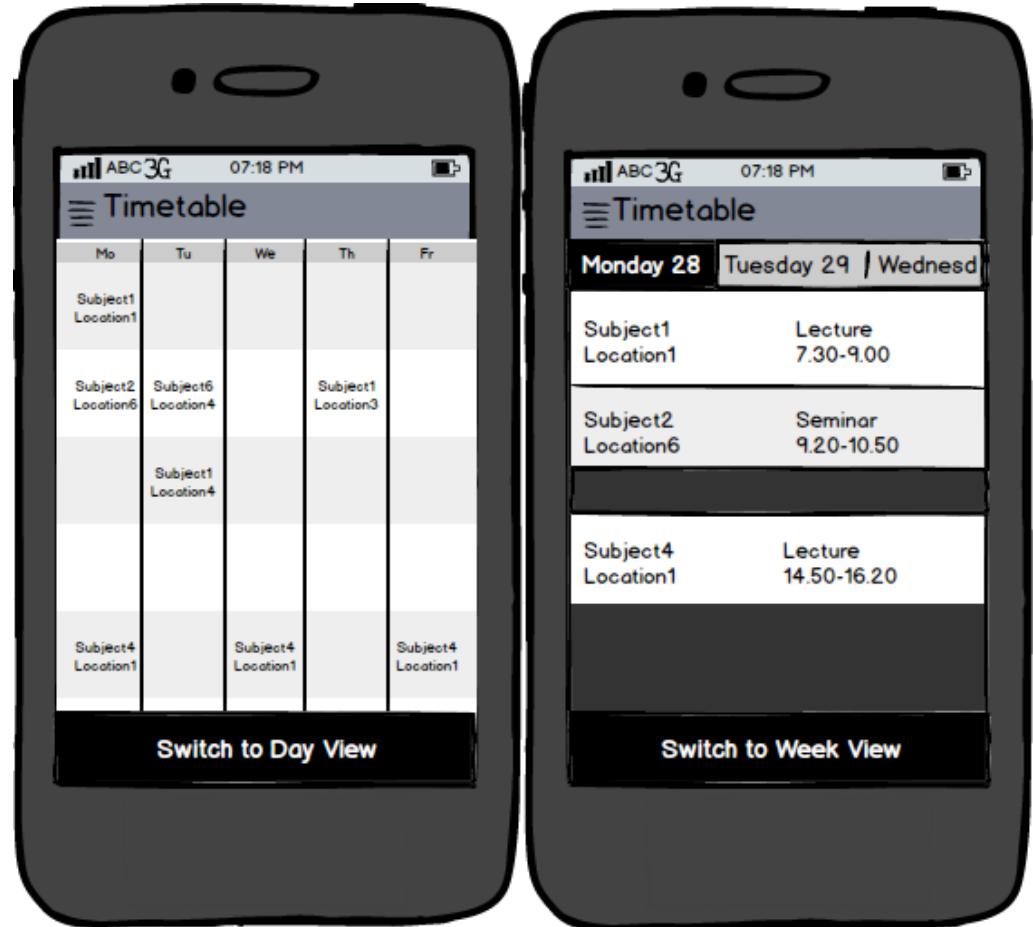
- Add lessons to timetable with time and room number
- Parsing room info to address of building
- Retrieving DVB connection from current position to address of the next lessons
- Automatic reminder some minutes before user has to start



# Application Scenario



- Three activities:
  - Timetable
  - Journey Info
  - Settings
- Timetable with day and week view
- Start view



- Display journey info via notification or menu
- Shows details about a DVB connection
- Optionally loading alternative routes
- Settings view to customize notifications



- Android application
- Localization services via GPS, UMTS or Wi-Fi
- Parsing address of GPS position via Google Maps API
- Interface to DVB connection service
- Optional: Saving timetable online on a server

- Resource handling regarding localization progress
- Quality of localization (GPS / UMTS / Wi-Fi)
- Auto refresh period of localization and journey loading (user may have moved)
- Fallback in case of no connection (DVB connection could not get retrieved)



## Christina

## Tom

Phase 1:	Basic timetable view	Interface to DVB
Phase 2:	Extend timetable view Settings view	Localization Parser of position
Phase 3:	Notification Service	Journey view
Phase 4:	Fixes	Fixes

**Thank you for your attention!**

Questions?

