



TECHNISCHE
UNIVERSITÄT
DRESDEN

Department of Computer Science Institute for System Architecture, Chair for Computer Networks

Application Development for Mobile and Ubiquitous Computing

BlackList Final Presentation

GroupNo: 3

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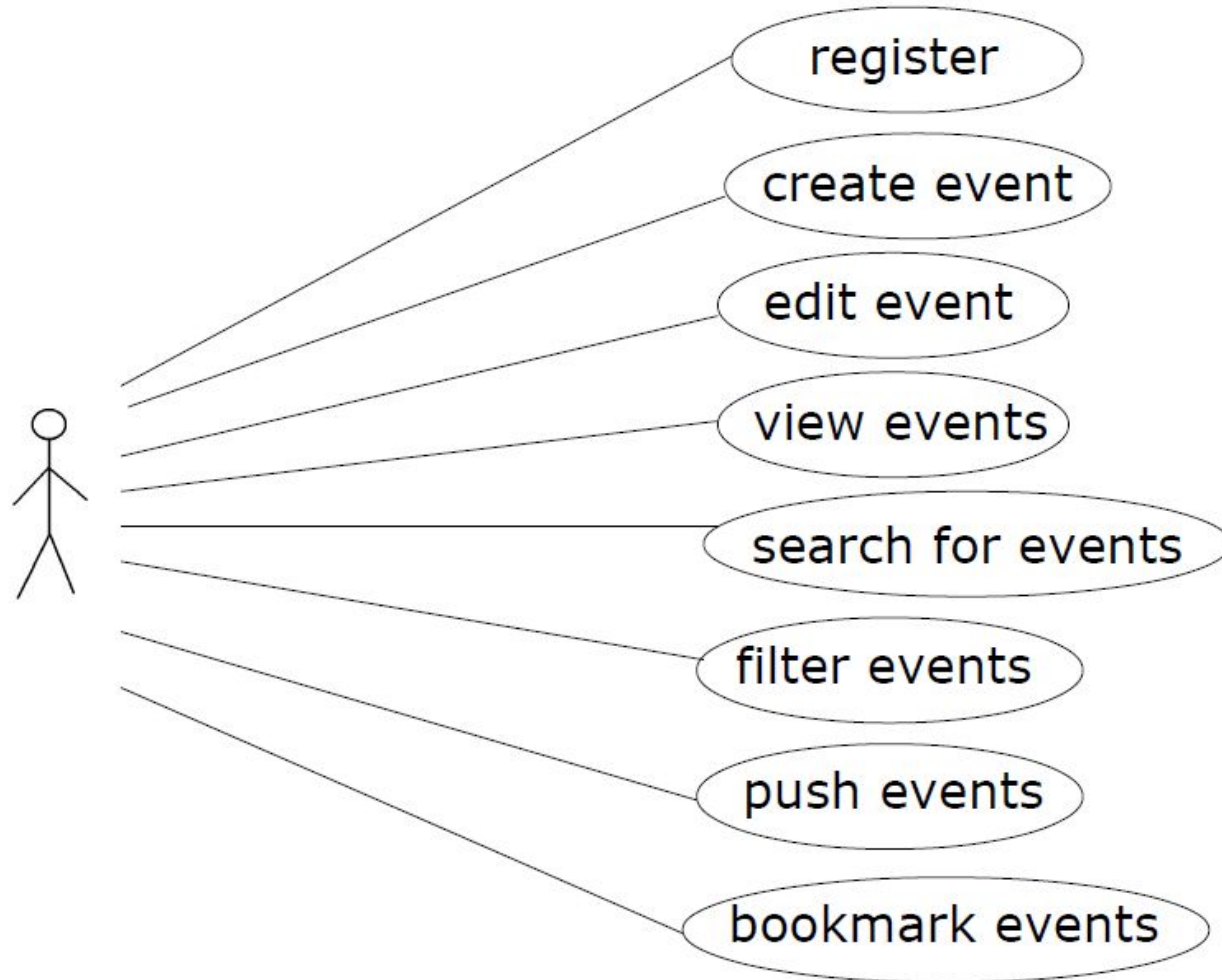
Dresden, 29.01.2016

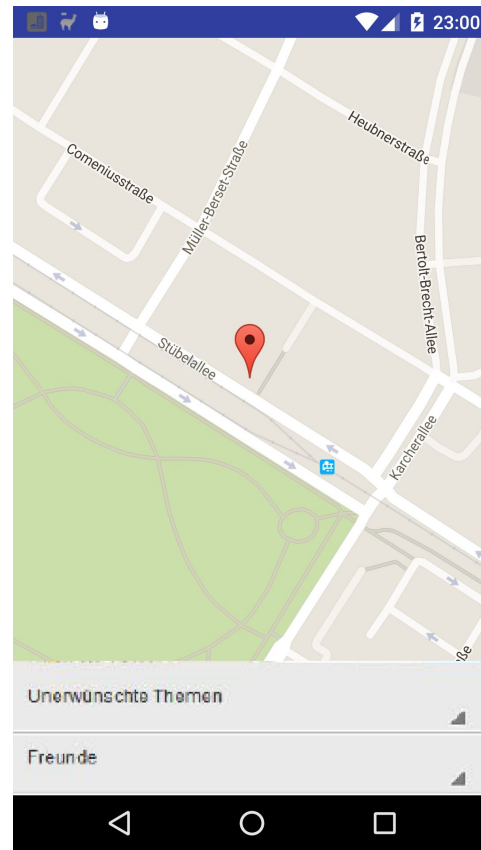
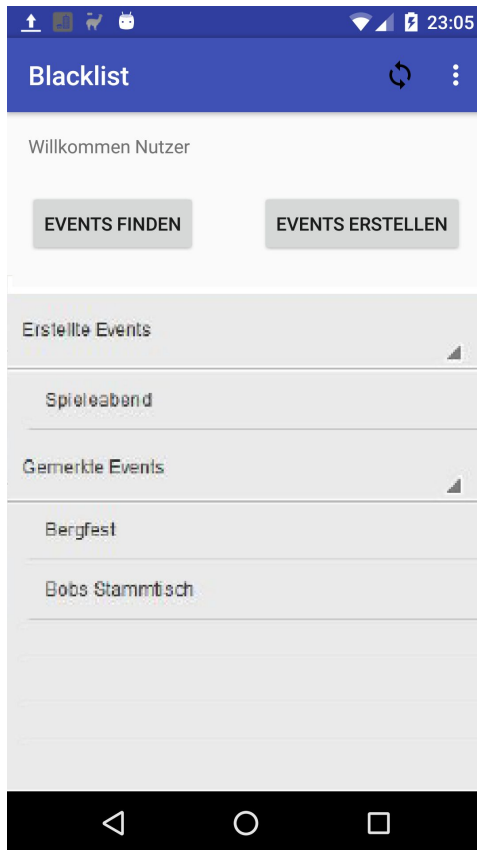
- You want to go out, but under no circumstances do you want to talk about politics

→ **BlackList**



- Create and look for events -> tell people what you **don't** want to do



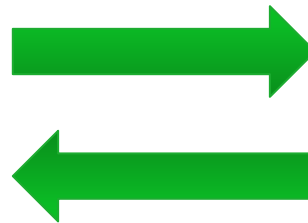


Client:

- Android SDK and Google Maps API
- SQLite Database
- Android Asynchronous Http Client

Server with database:

- MySQL
- JSON
- RESTful Webservice



- Usability challenge
 - Support different devices -> form factor
 - Tablet users see more fragments on one screen (map plus "tag cloud" for topics)
 - Center map on user location
 - getLastPosition onCreate (check whether permission is granted)
 - Remind user about upcoming events
 - Highlight current events in search

- Offline challenge
 - Caching of “important” events
 - tagged important by user
 - events nearby and of friends
 - Make sure there’s always last known coordinates
 - Don’t show map if offline → show list
 - Store created events on device until connection is established
 - Synchronisation of both databases
 - Adaption of Communication:
 - Error detection, Forward error correction
 - delayed write-back

- Energy challenge
 - Battery safer mode
 - if battery is low and device is not being charged
 - → no real time GPS
 - only once onCreate

- Need some time to getting used to API
- Better to have a real device rather than just an emulator
- Overall learned a lot about developmnt on Android

Any questions?