



TECHNISCHE
UNIVERSITÄT
DRESDEN

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

Application Development for Mobile and Ubiquitous Computing

BlackList Second Presentation

GroupNo: 3

Team: Thomas Meyer, Robert Richter

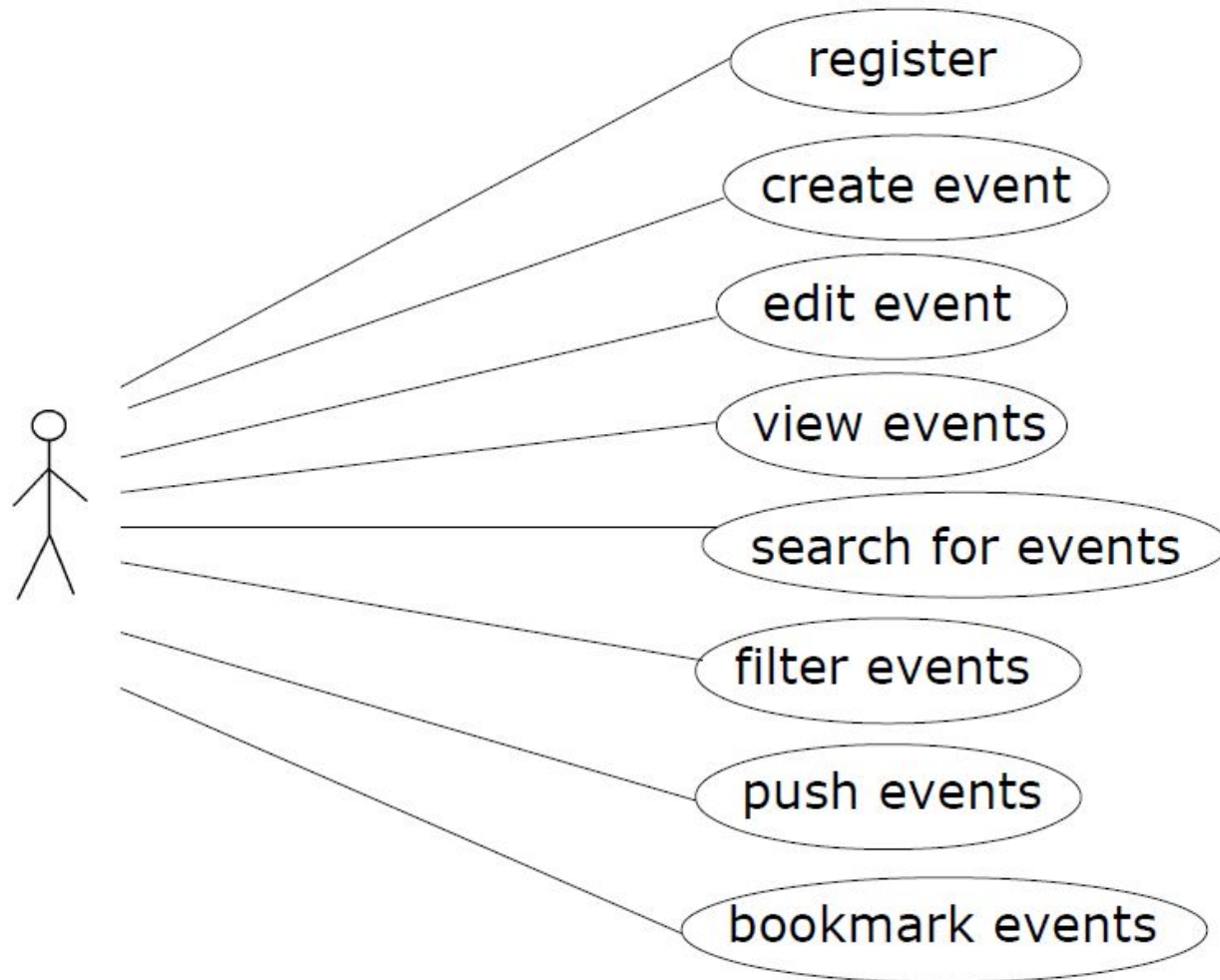
Dresden, 18.12.2015

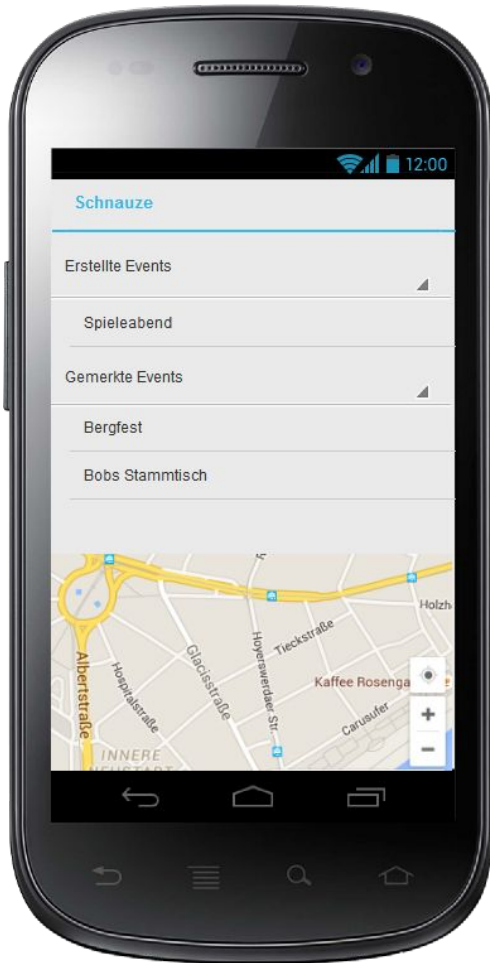
- You want to go out, but under no circumstances do you want to talk about politics

→ **BlackList**

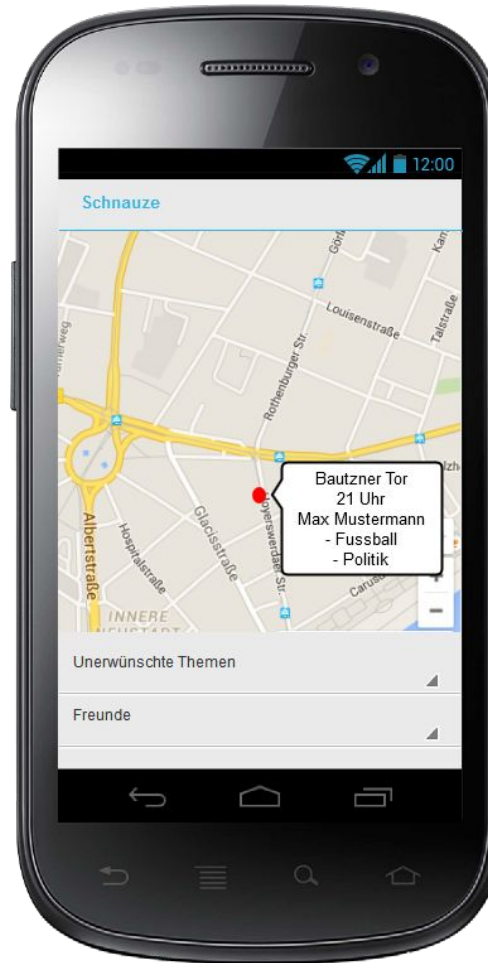


- Create and look for events -> tell people what you **don't** want to do

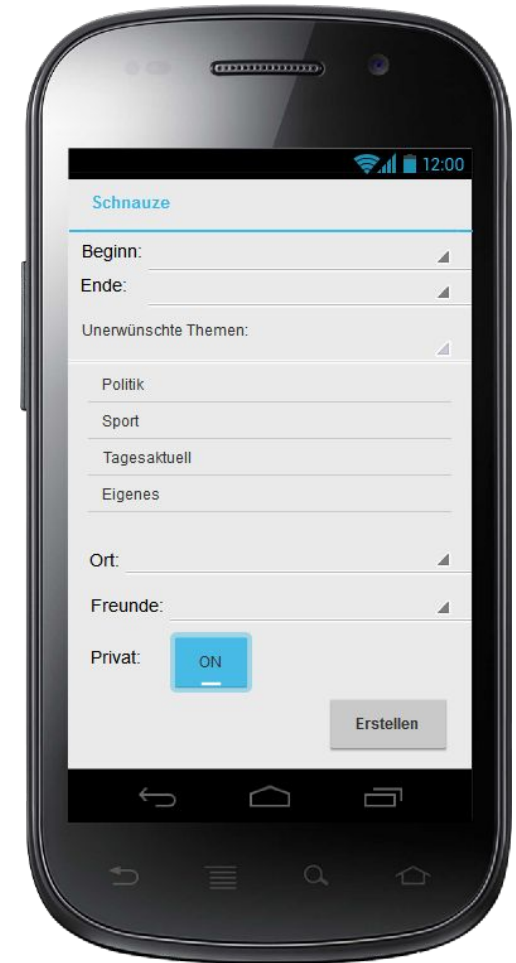




18.12.2015



Second presentation



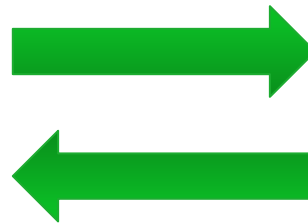
Folie Nr. 4

Client:

- Android SDK and Google Maps API
- small database

Server with database:

- MySQL
- JSON
- RESTful Webservice



- Usability challenge
 - Support different devices -> form factor (display size, resolution)
 - Use user location when showing nearby events
- Offline challenge
 - Caching of "important" events
 - tagged important by user
 - events nearby and of friends
 - Remind user about upcoming events
 - Save last known GPS coordinates
 - Store created events on device until connection is established
- Energy challenge
 - No real time GPS if battery is low -> only when user checks

- Time → from device
 - Remind user, highlight current events
- User position → `locationListener`
 - use lat and lng to show user location and center map
- Connectivity → `ConnectivityManager`
 - `isConnectedOrConnecting()`
 - if offline, store changes on the device until connection is established
- Battery status → `BatteryManager`
 - `ACTION_BATTERY_LOW`
 - if low, don't use GPS in real time
- Updated events → database

Any questions?