TECHNISCHE UNIVERSITÄT DRESDEN

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

Application Development for Mobile and Ubiquitous Computing

GetTogether

Final Presentation

GroupNo. 04

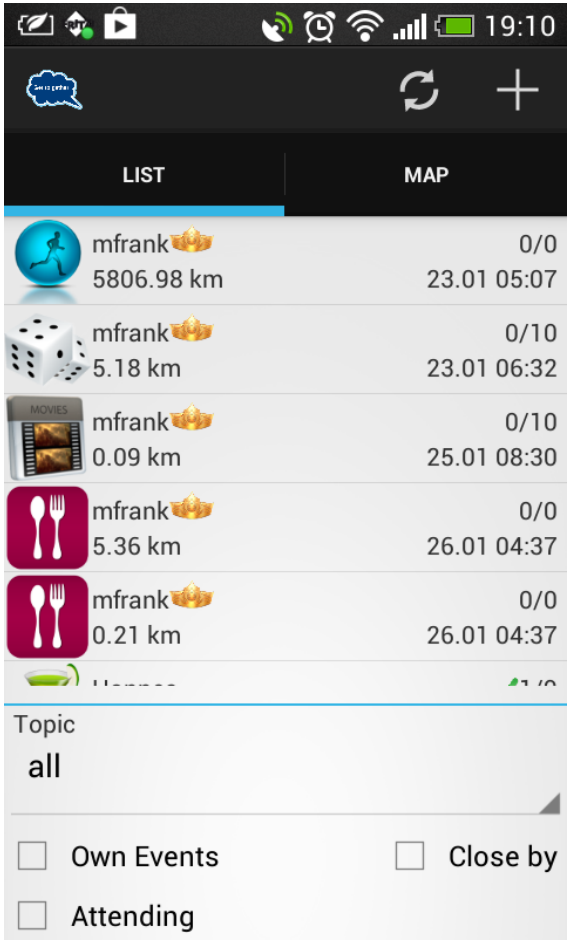
Team: Markus Frank, Hannes Wendler

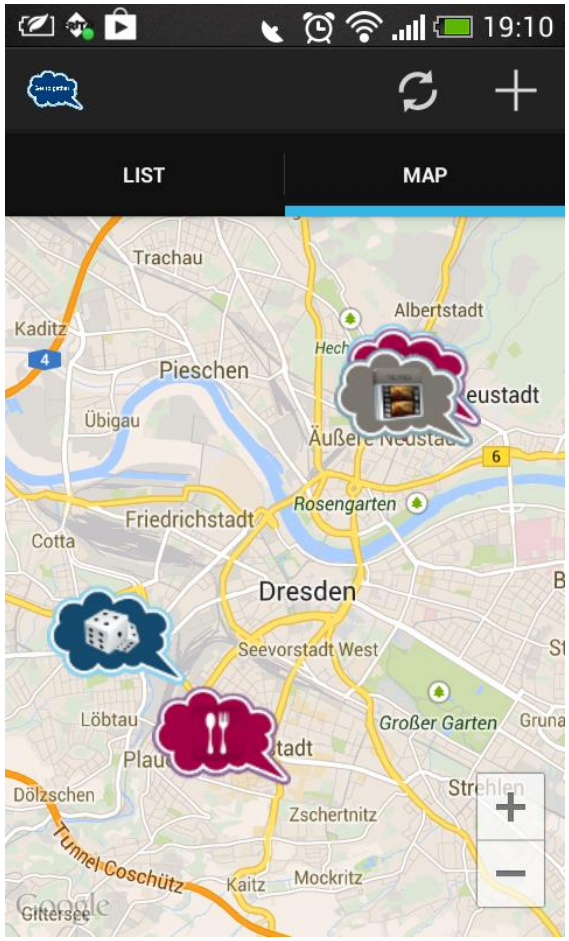
Application Scenario

Mobile Android App to support the user in organizing and arranging spontaneous events together with friends

Screenshots

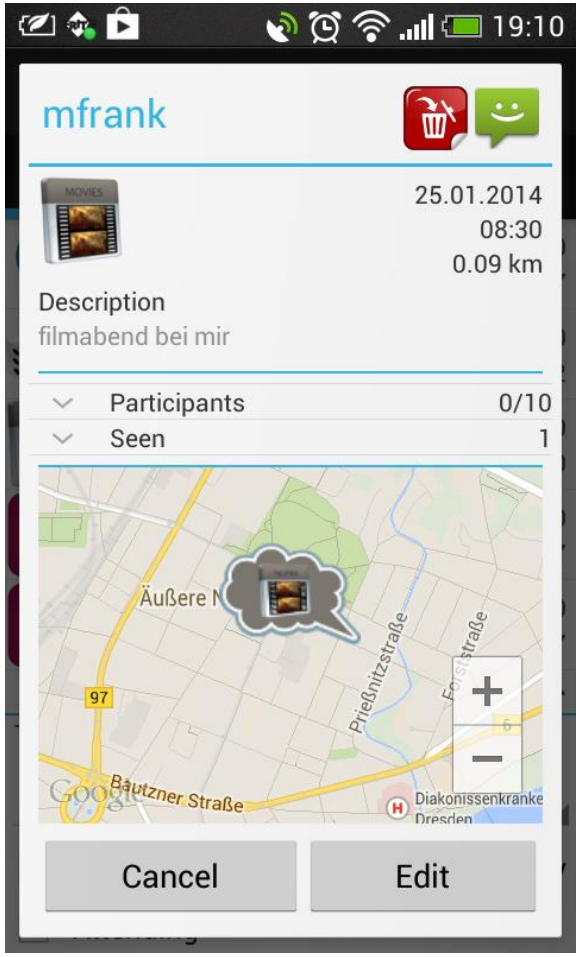
Main view:



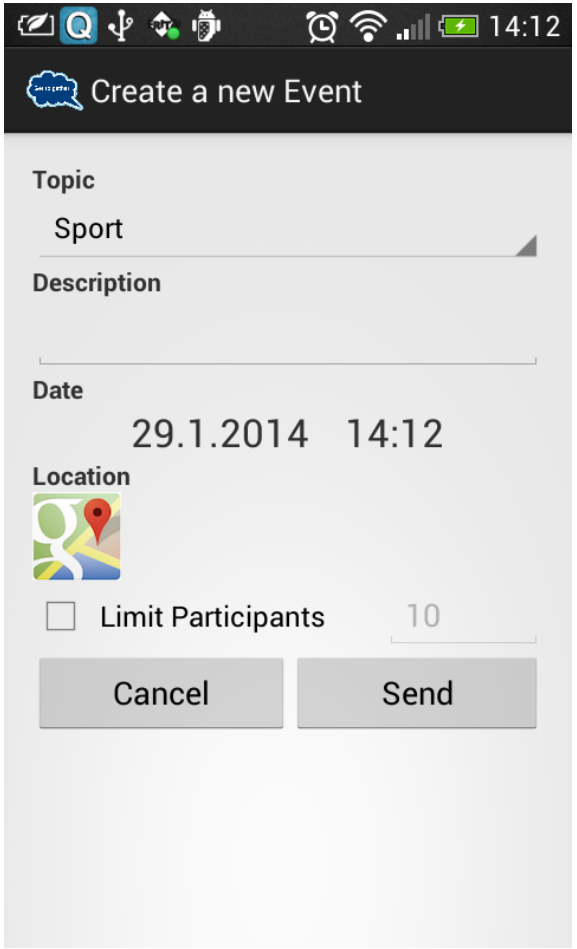


Screenshots

View events:



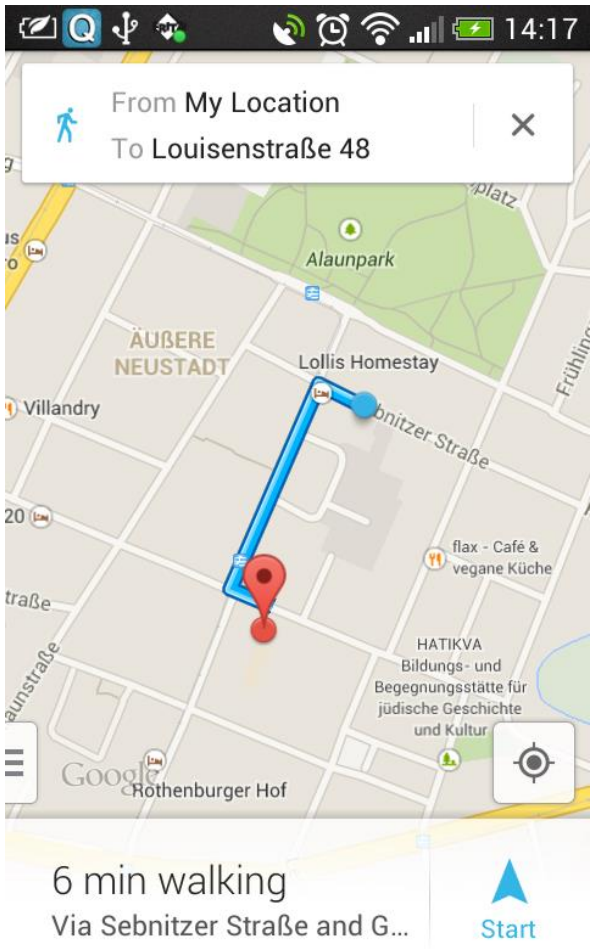
Create events:



Screenshots

Select location:

Navigation:



Registration

Implemented features

Feature	Planned	Implemented
Login	✓	✓
Restore account	⊘	✓
Create events	✓	✓
Edit events	⊘	✓
Join events	✓	✓
Leave events	✓	✓
Browse events from Friends	✓	✓
Filter events	✓	✓
Handle connection loss	✓	✓⊘
Location services	✓	✓
Navigation	✓	✓
Multilingual	⊘	✓
Push notifications	✓	✓

Challenges

- Location services:
  - Get accurate position (indoor / outdoor)
  - Minimize power consumtion

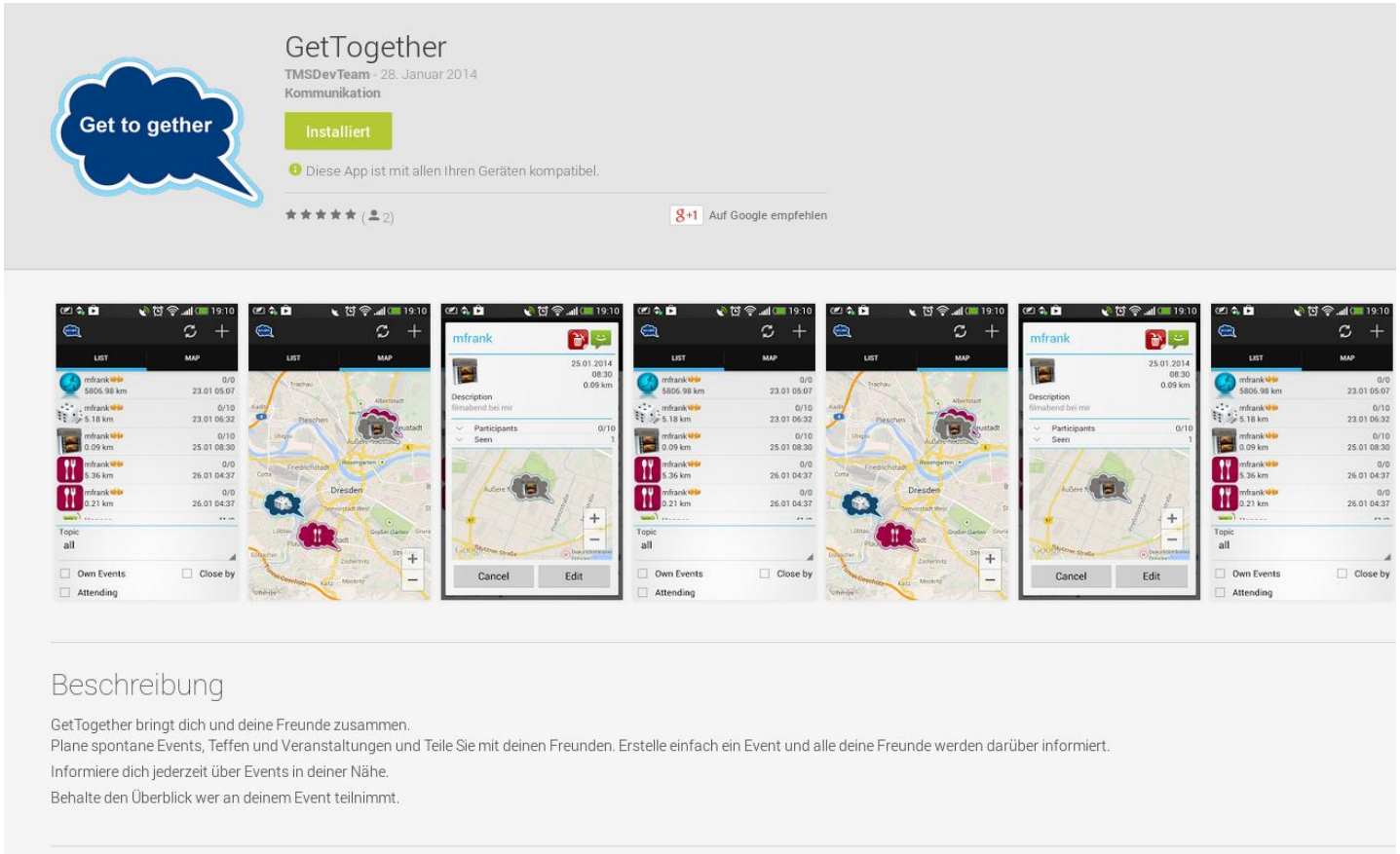
- Internet connection services :
  - Always have newest information
  - Get information about changes in events you attend
  - Recive / sent push notifications
  - Minimize trafic
  - Fetch only information which are needed
  - Handle connection losses

Limitations and improvement

- Offline support
  - Create and edit events
  - Join and leave events
  - Handle Group limit problems

- Security aspects:
  - Are user data enough protected
  - Is the connection secure enough
  - DOS attacks
  - Authentification problems (App and Server)
  - Registration is based on trust

Where to download?



https://play.google.com/store/apps/details?id=de.tu_dresden.gettogether&hl=de

Questions