



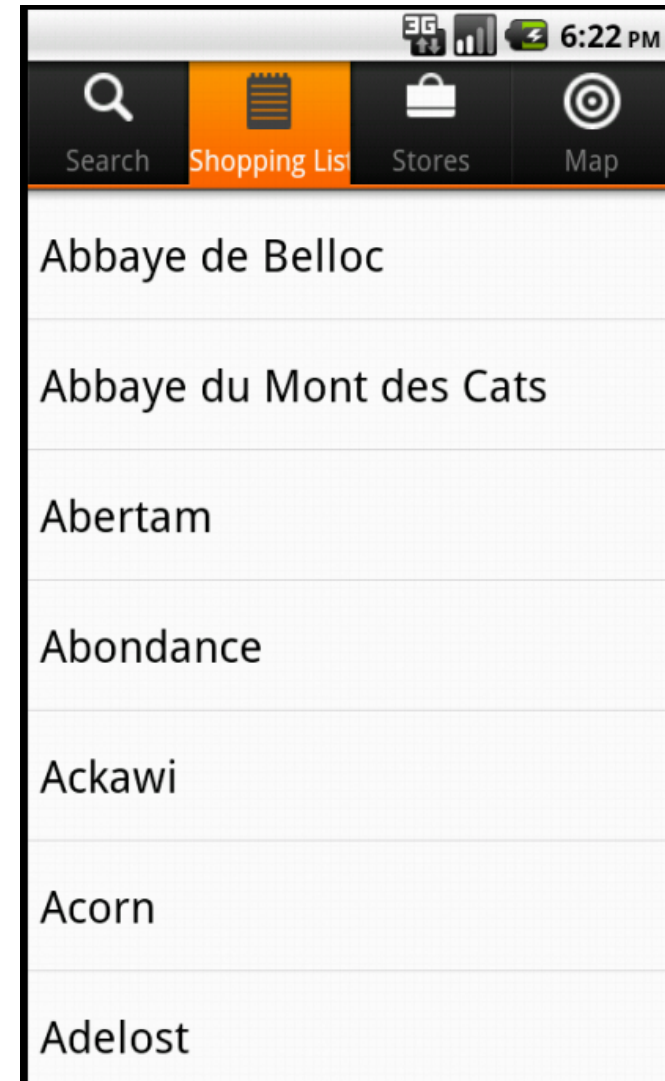
TECHNISCHE
UNIVERSITÄT
DRESDEN

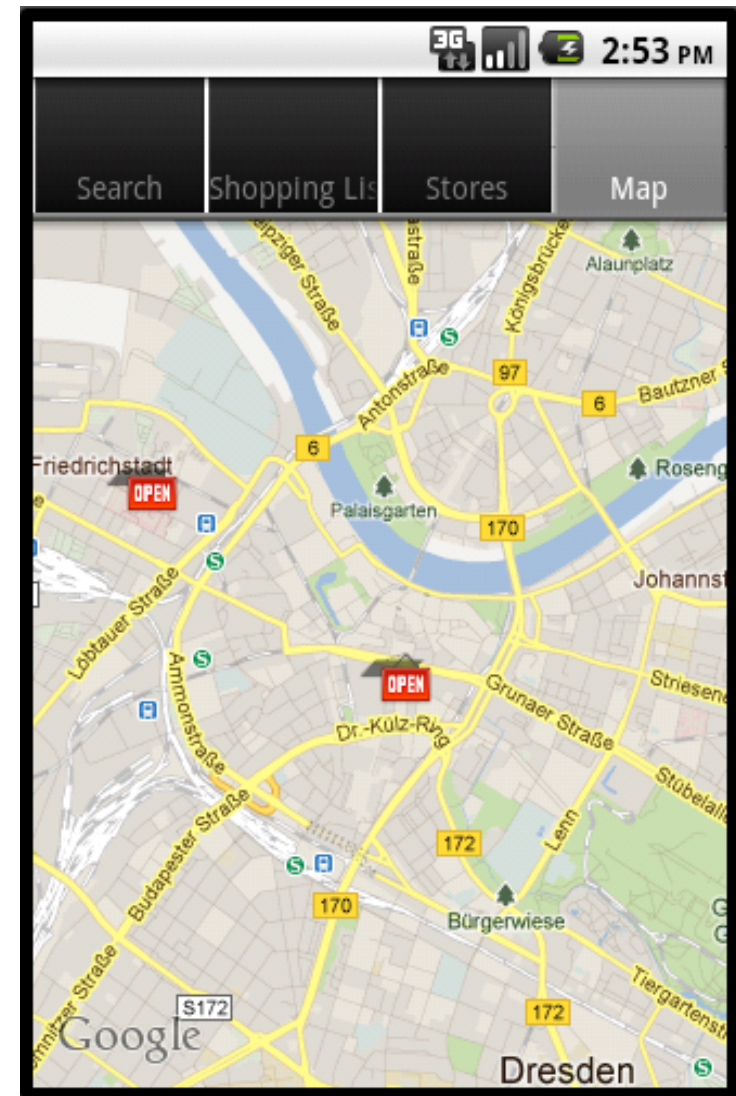
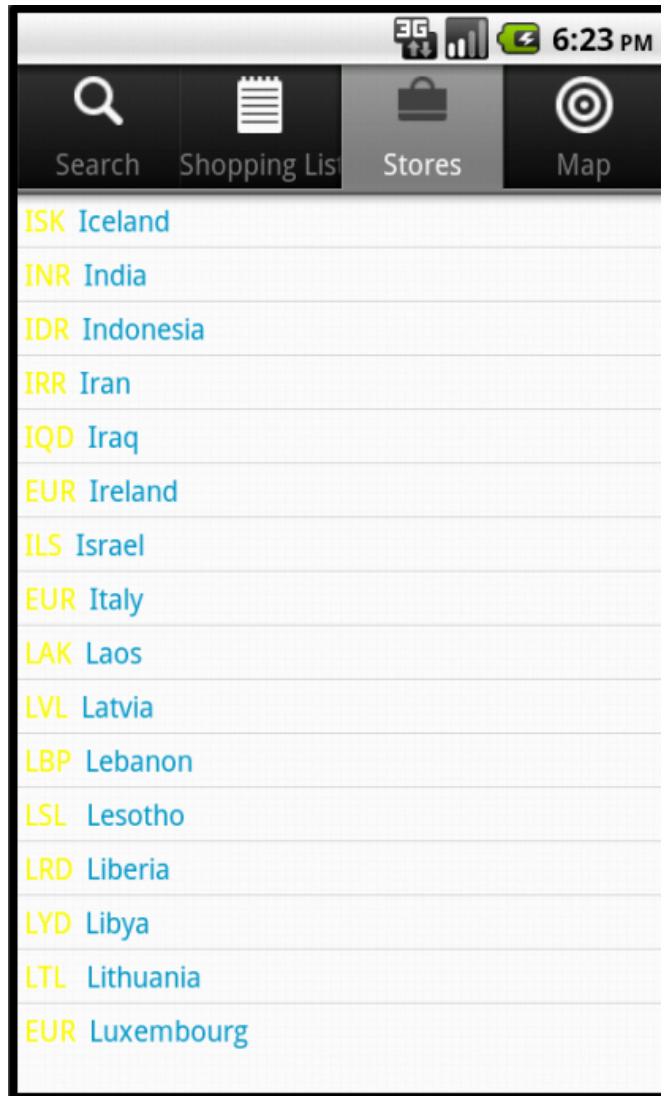
Department of Computer Science Institute for System Architecture, Chair for Computer Networks

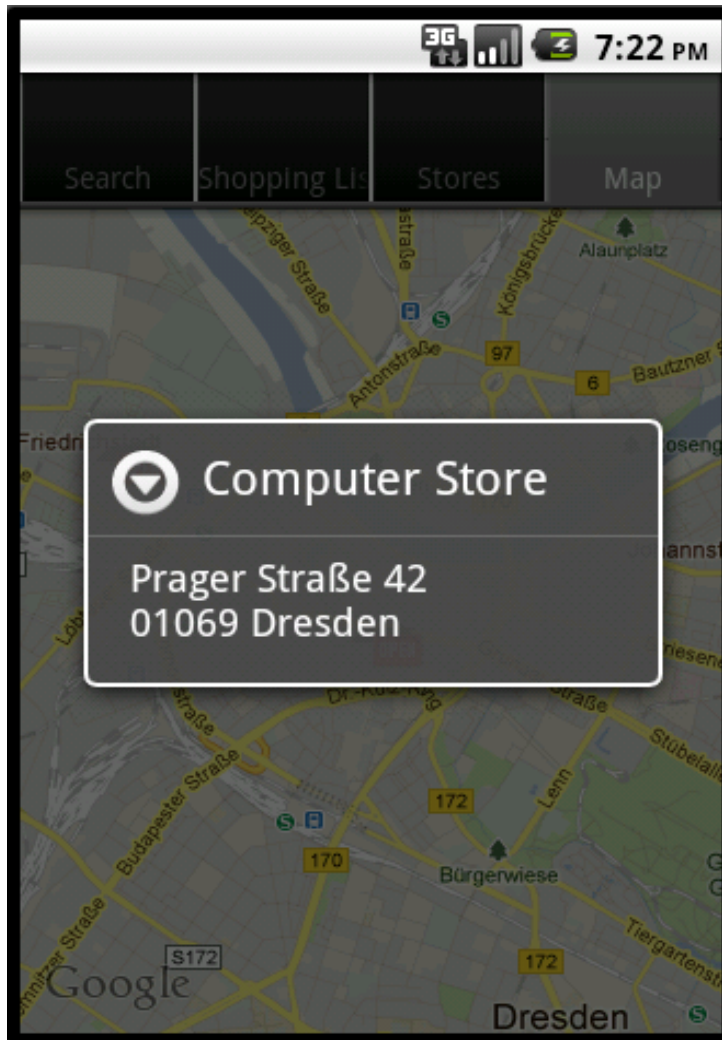
Application Development for Mobile and Ubiquitous Computing Seminar Task Second Presentation

Group 22:

Patrick Ruppert, Matthias Köngeter







- TabLayout
- Android Location Services (GPS, WIFI)
- Google Maps API
- AsyncTask
- GeoPoint
- Database

- client-server
- modular construction
 - app contains TabWidget
 - TabWidget contains views
 - views contain content (tables, map, ...)
 - content contains information

- Usability
 - threading to keep Application runnable
 - comfortable UI - maybe Fling
 - intuitive handling
 - grabbed Location
- Connectivity
 - use Web to collect Data (keep up-to-date)
- Security
 - no security critical informations will be sended
- Resource Restriction
 - save data into Android Database (offline Displayed)
 - low bandwidth (no huge datasize)

- Implement information retrieval
 - make requests on website
 - analyse response, cut out information
 - display it nicely in the corresponding views
- Improve location issues
 - suggest current user location for search
 - display results/saved results correctly in the map view
- others
 - make shopping list editable
 - make search results storeable