

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

Application Development for Mobile and Ubiquitous ComputingSeminar Task Second Presentation

Group 22:

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Application Scenario

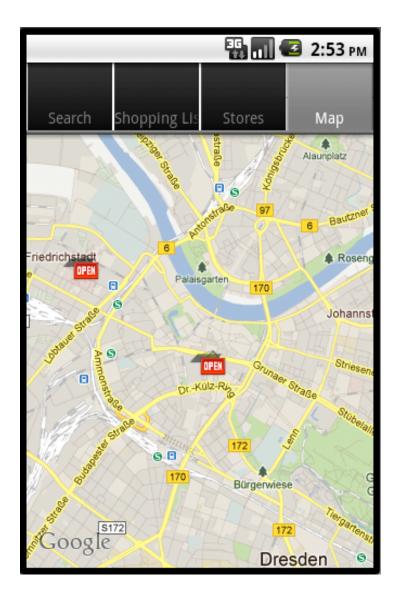


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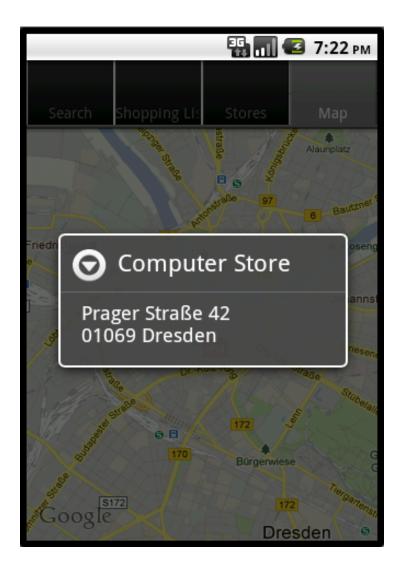
Application Scenario

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ISK Iceland		
INR India		
IDR Indonesia		
IRR Iran		
IQD Iraq		
EUR Ireland		
ILS Israel		
EUR Italy		
LAK Laos		
LVL Latvia		
LBP Lebanon		
LSL Lesotho		
LRD Liberia		
LYD Libya		
LTL Lithuania		
EUR Luxembourg		





Application Scenario





Technologies

• TabLayout

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



Architecture

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



Challenges

• Usabillity

- threading to keep Application runable
- comfortable UI maybe Fling
- \circ intuitive handling
- \circ grabed Location
- Connectivity
 - use Web to collect Data (keep up-to-date)

• Security

 \circ no security critical informations will be sended

• Resource Restriction

- o save data into Android Database (offline Displayed)
- low bandwidth (no huge datasize)



Work plan

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

• others

- make shopping list editable
- make search results storeable