



Application Development for Mobile and Ubiquitous Computing

Seminar Task

Second Presentation

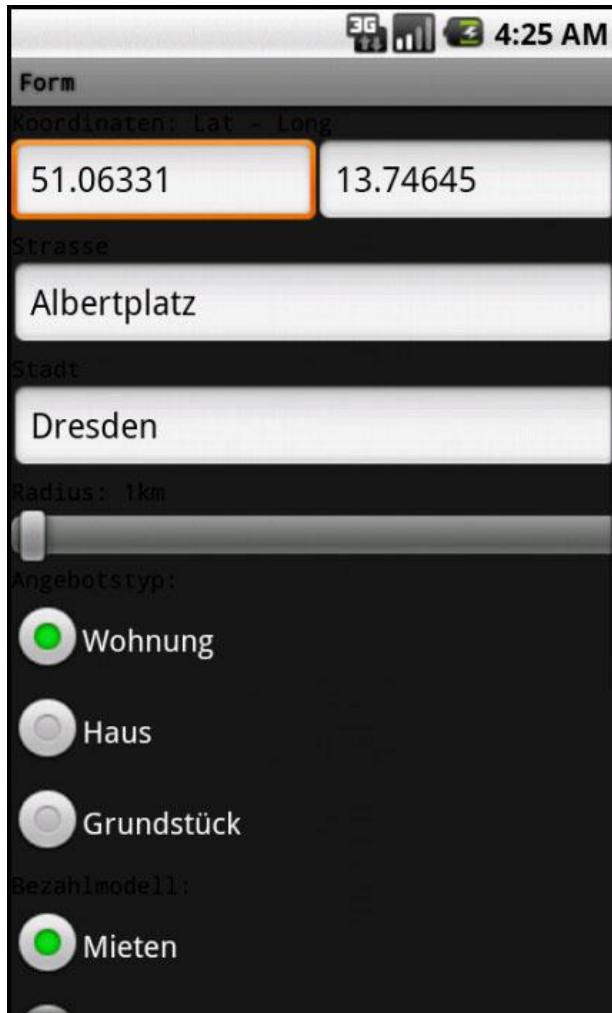
GroupNo. 19

Team: Philip Domann, Dawid Bestrzynski

- A person is looking for some real estate
- A new search is started and the needed search criteria have to be filled: city and street or coordinates; search radius; real estate type; price range; room quantity; area;
- A list of results matching these criteria is shown
- The user can check detailed information on any of the listed results
- The results might be saved for later use

Application Scenario – Start Screen





Form

Koordinaten: Lat - Long

Strasse

Stadt

Radius: 1km

Angebotstyp:

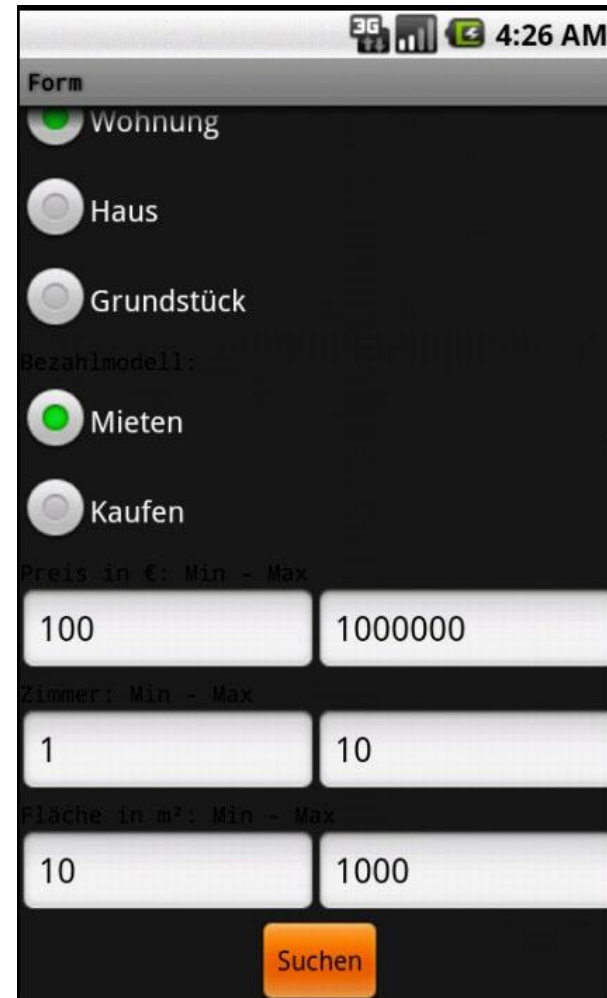
Wohnung

Haus

Grundstück

Bezahlmodell:

Mieten



Form

Wohnung

Haus

Grundstück

Bezahlmodell:

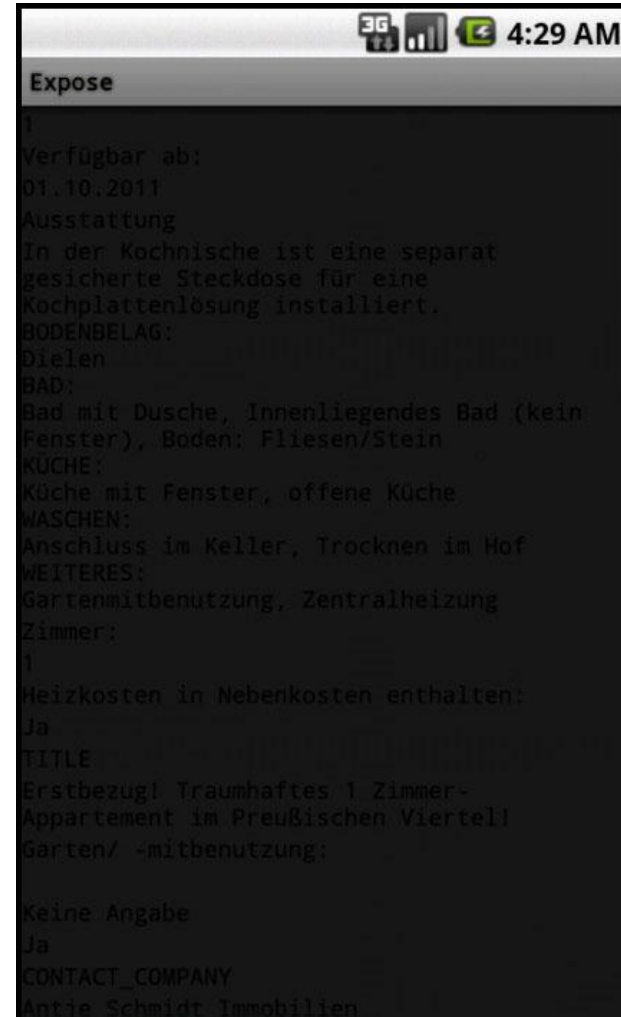
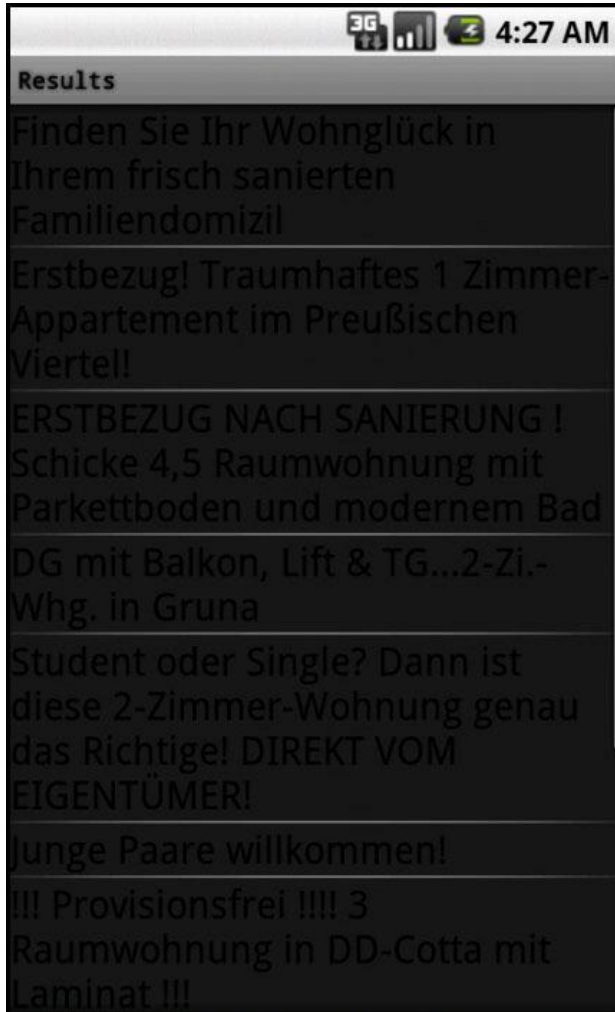
Mieten

Kaufen

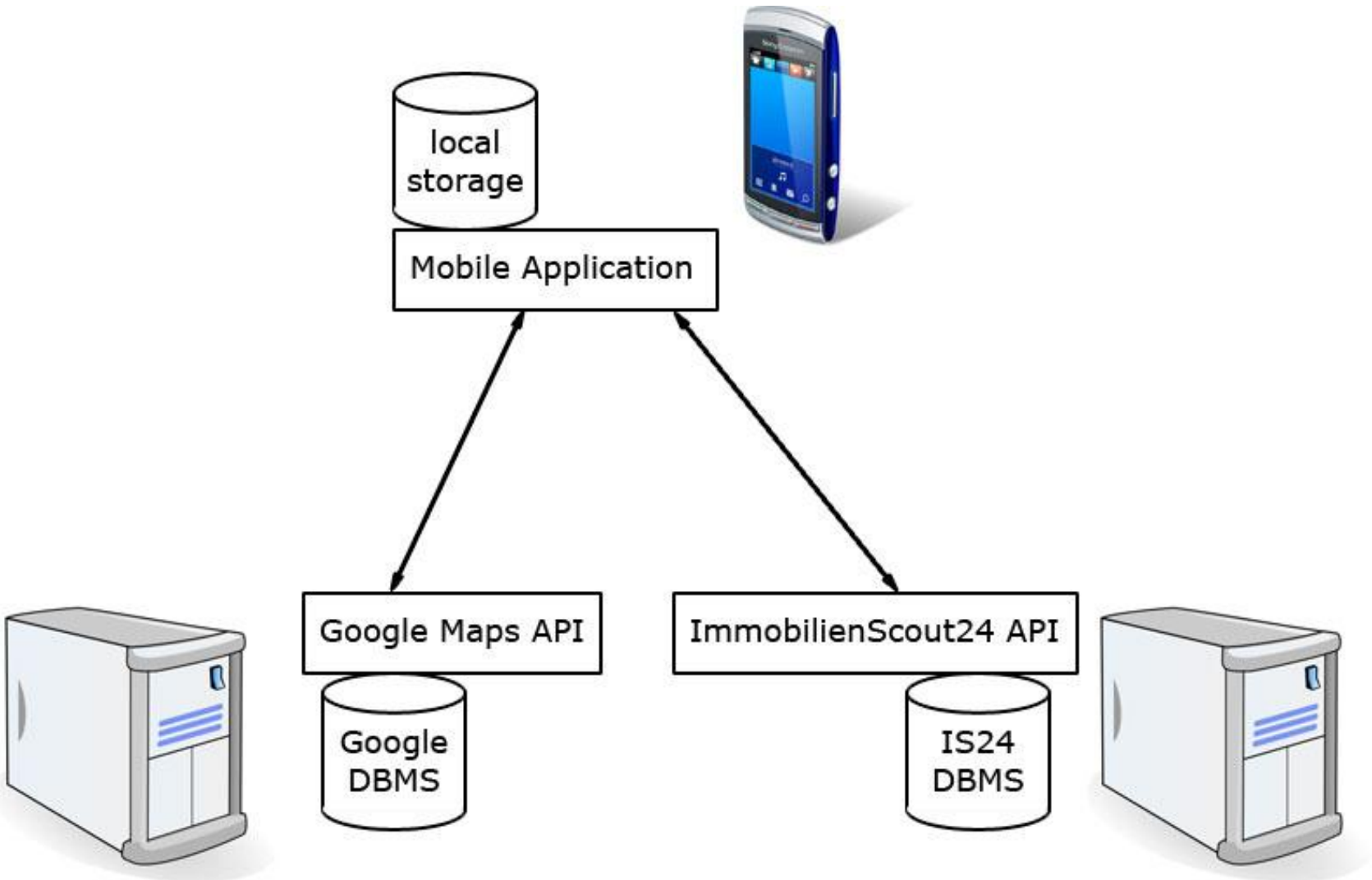
Preis in €: Min - Max

Zimmer: Min - Max

Fläche in m²: Min - Max



- Android 1.6
- Java
- ImmobilienScout24 API for Android
- Google Maps API
- RESTful web service for fetching data



- Small resolution of the devices forces limitations on how much can be shown on a single screen at a time
- Saving the results on the mobile device for offline use (both text data and images)
- Checking the validity of the saved results while being online
- Integrating multiple external APIs

- Improve the design of the result display
- Google Maps integration and changes in the search form
- Result saving and loading
- History management
- Options view