



TECHNISCHE
UNIVERSITÄT
DRESDEN

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

Application Development for Mobile and Ubiquitous Computing

MyLocationGuide Final Presentation

Group 5

Vadim Dillmann, Andreas Tennert

Dresden, 04.02.2011



DRESDEN
concept
Exzellenz aus
Wissenschaft
und Kultur

MyLocationGuide

User makes photos with GPS data

- Wants to share interesting locations with friends, family, etc
- Uploads images to Flickr and makes a set

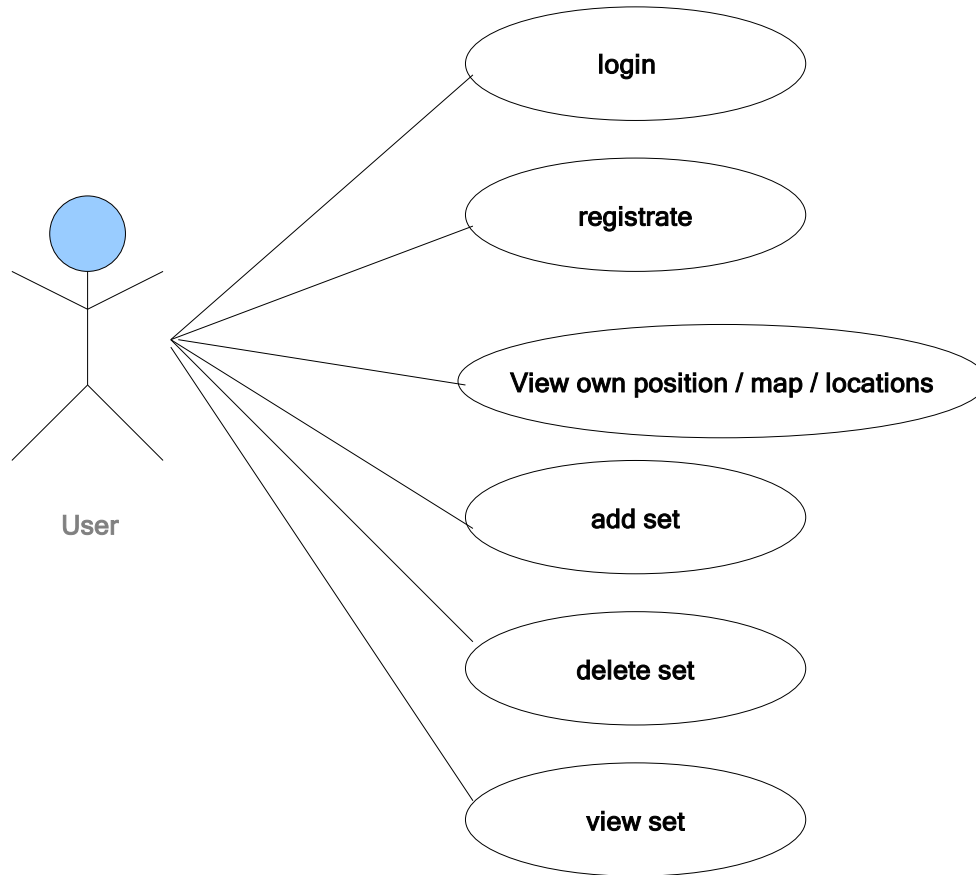
User logs in to our service

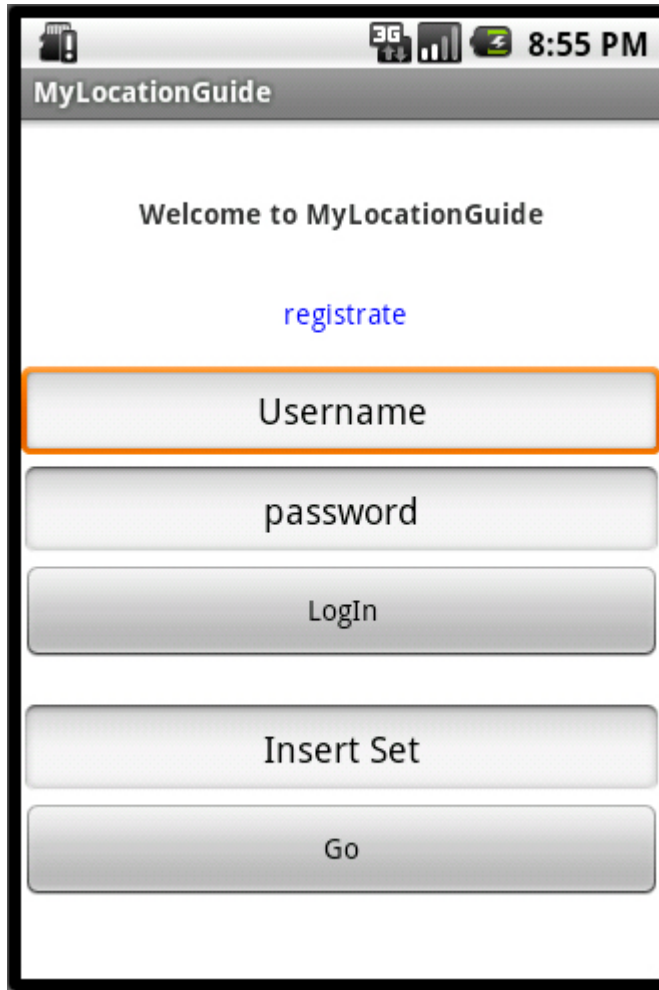
- Registers set
- Gets an ID

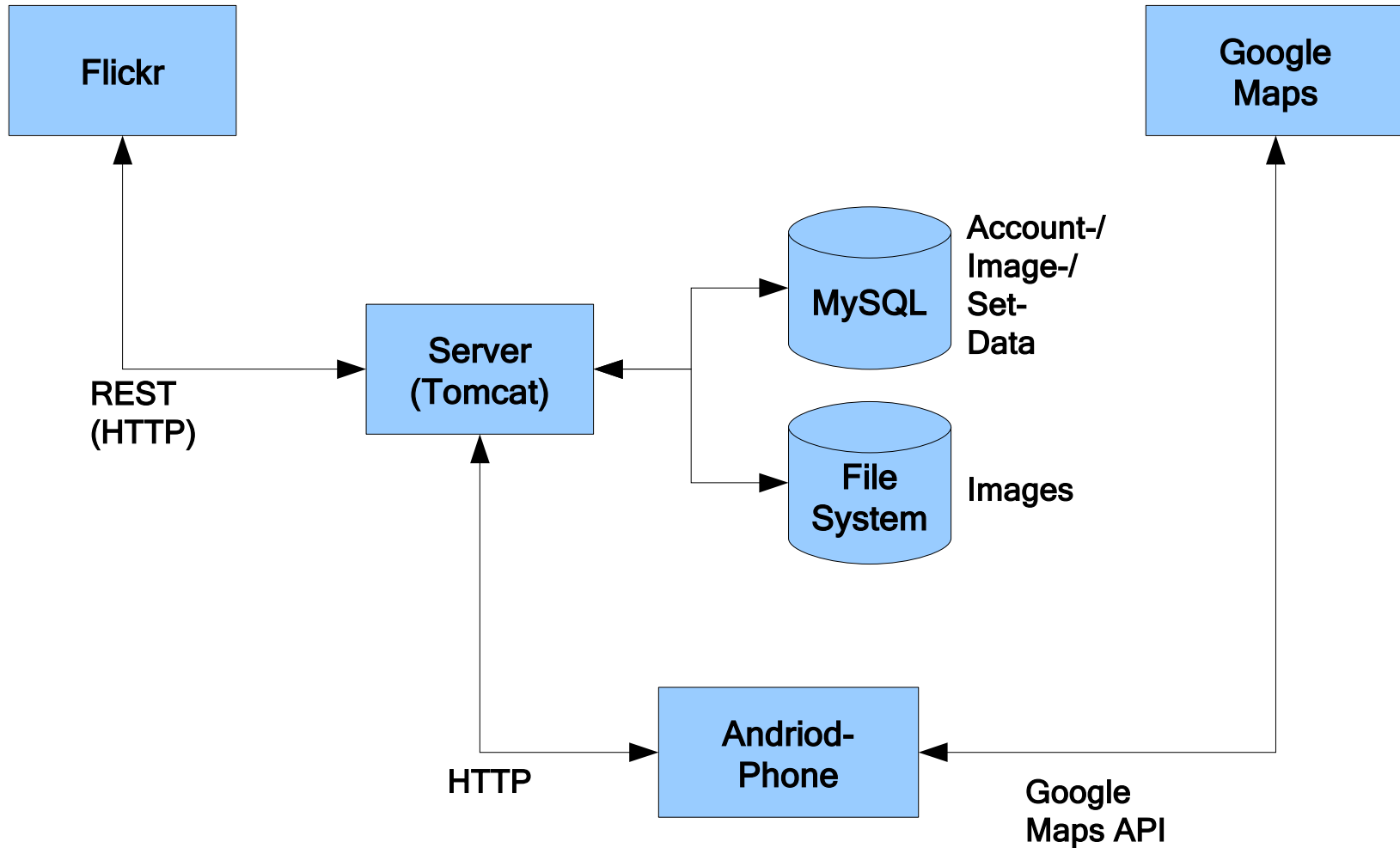
User shares ID with friends, etc

Friend use our mobile app

- Inserts ID
- Gets map with their actual location and the recommended locations of the images
- Can easily find locations







Server:

- Java, MySQL
- Servlets
- JavaBeans
- JDBC

Phone:

- Java
- SAX

Communication:

- HTTP
- Simple Messaging (OK, ACK)
- XML

Traffic, Communication:

- Small images, prescaling
- Small messages
- XML for complex data structures
- Single image loading

Others:

- Server capacities: parallelization and limitation

Problems:

- Android Java
- HTTPS