Institute of Computer Science University of Tartu

Presentation at
Mobile Monday in St. Petersburg

Ulrich Norbisrath

2011-03-28

Ulrich Norbisrath (http://ulno.net)
University of Tartu

MoMo St. Petersburg
http://momo.ulno.net

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whoami

- http://ulno.net, J.Liivi 2-311, Tartu, Estonia
- email: replace http:// with ulno@
- Senior Researcher at University of Tartu, Distributed Systems group, Institute of Computer Science
- PhD from RWTH Aachen University, Germany, "Configuring eHome Systems"
- Research: cloud computing, ubiquitous systems (mobile computing, eHomes, f2f computing), exploratory search, ps3 computing, educational games
- Teaching: Systems Modeling, Systems Administration, Mobile Computing, Ubiquitous Systems lab, DS Seminar, Software Engineering, Introduction to Informatics

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Why am I here?

- Presentation / current research
  - What are we doing?
- Cooperations
  - Anybody interested?
- Students
  - PhD, Master at our institute
- Network
 - It's a MoMo, isn't it?

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Current Research in Mobile at UT

- Pharmacyfinder
- Mobile Devices for eHome Services
- Mobile Search
- Mobile Cloud

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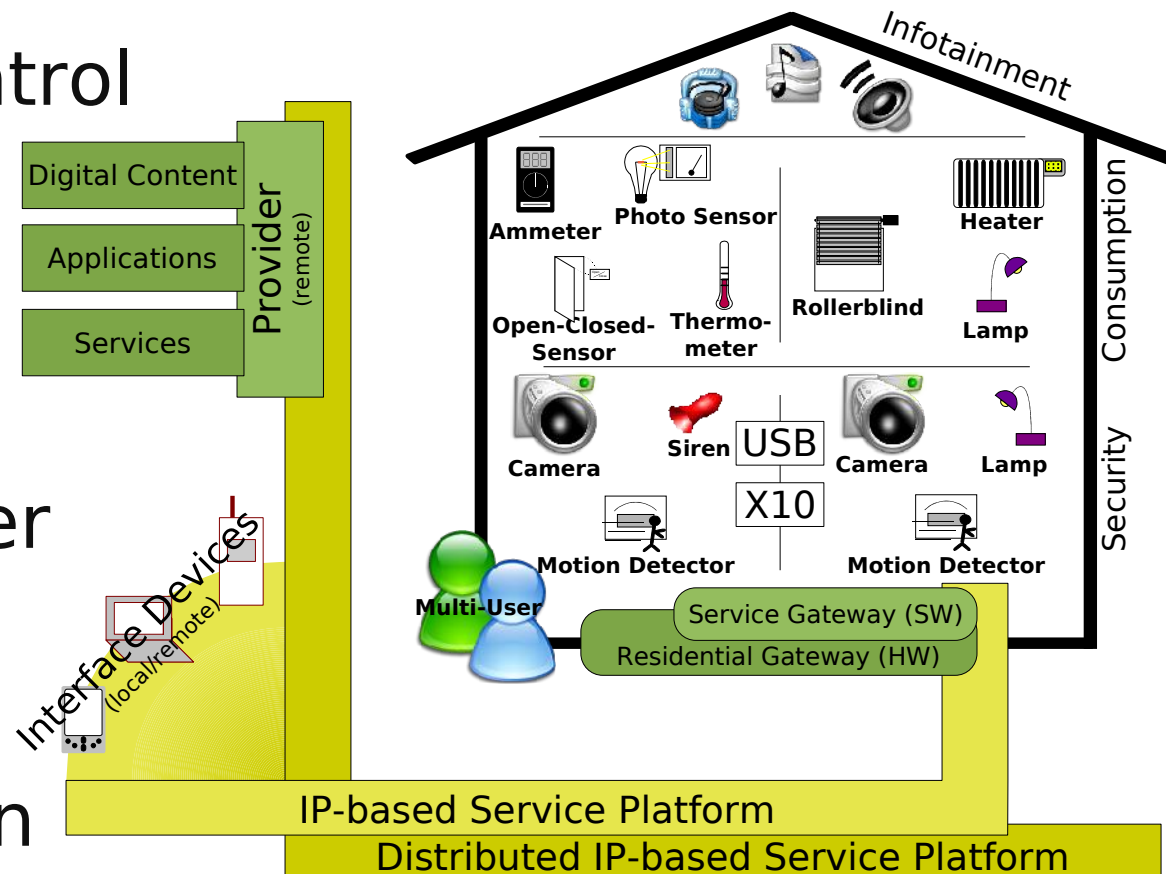http://momo.ulno.net

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Pharmacyfinder on iPhone

- Example for Mobile Application Development
- All drugs online accessible in Estonia
- Find nearest pharmacy + info for specific drug
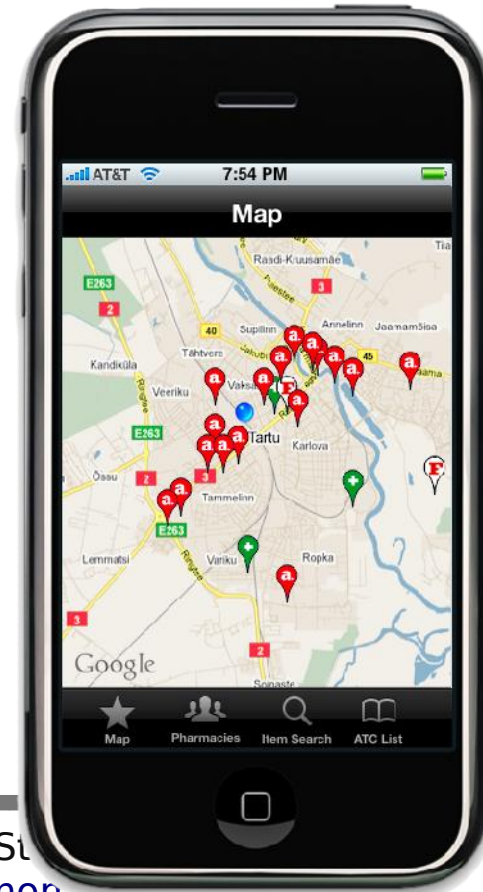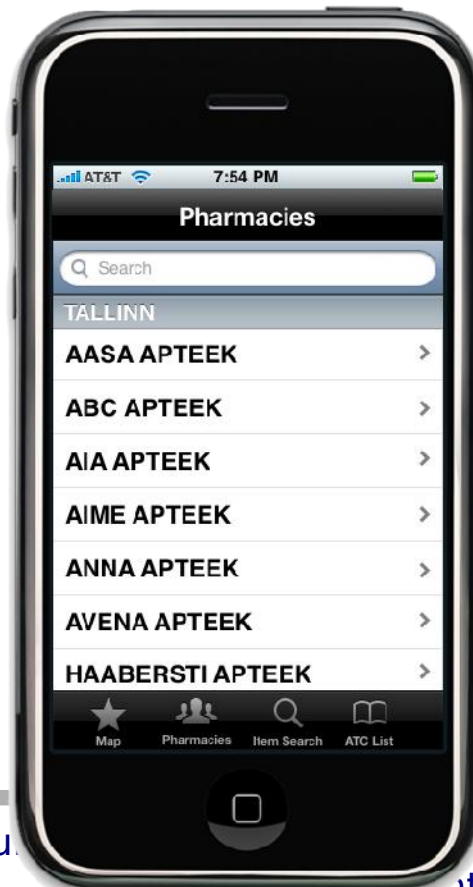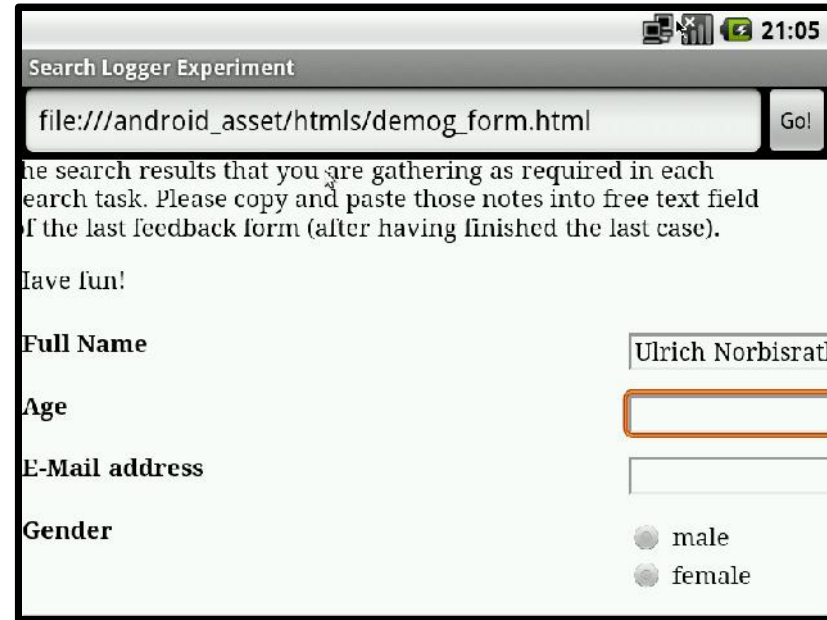
Mobile Devices for eHome Services

- Local and remote device status&query

- Media and streaming control

- Biometric access control

- Currently
  - Android cloient
  - Generic controller
  - Voice
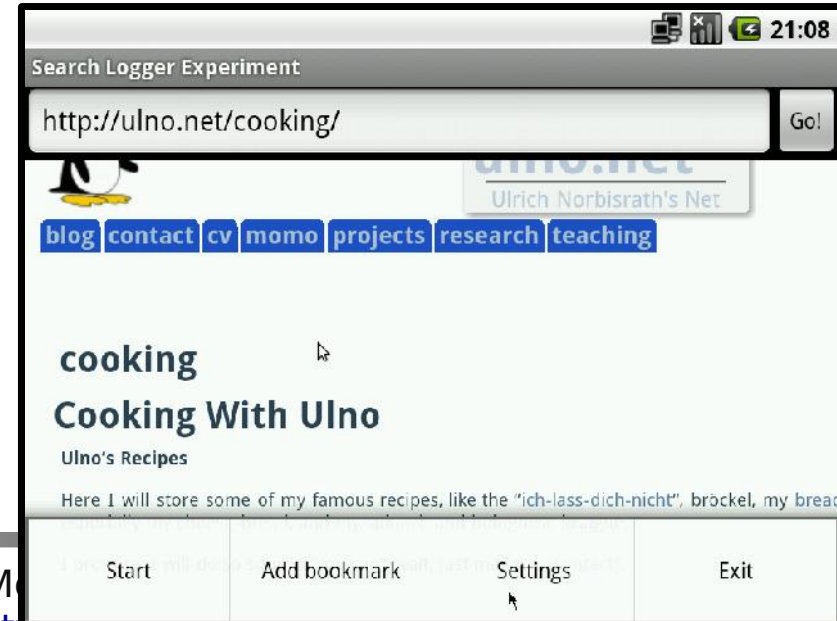   - Recognition
    - Authentication

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Mobile Search

- Search is so much more than query-answer
  (more at http://inferato.ulno.net)

- Proven on Desktop, but what about Mobile Search behavior?

- Search-Logger client for Android.

Mobile Cloud

- Problem
  - Huge fragmentation in devices and services
  - HTML + X: lowest common denominator
- Solution?
  - Move core to cloud
  - → We develop infrastructure to access (server side, client side)
- Related research
  - Cloud computing economics
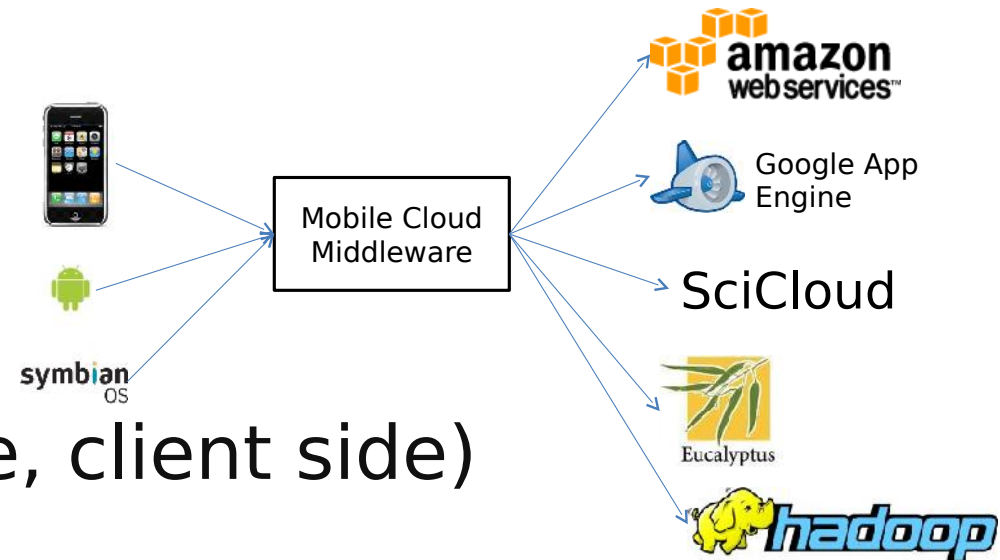
    Move local infrastructure/software to cloud

Mobile Cloud Middleware

amazon webservices

Google App Engine

SciCloud

Eucalyptus

hadoop

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Interesting mobile projects for you, related ideas?

→ Work or study with us.

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Work with us!
Help us help you!

- Interested in doing low risk research?
- Looking for experts in new methods and concepts?
- Looking for fresh ideas?
- Want to try them out in a flexible IT-savvy environment?

→ University of Tartu: ideal place

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Study with us!
PhD or Master in Tartu.

- International, young, and open minded team of researchers, teachers, and advisors

- For qualified candidates, competitive scholarships available – talk with us!

- Several international master programs.

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Summary

- Doing challenging research
- Interesting research partners
- Good studying opportunities

- Talk to me here or contact me
- Info at http://momo.ulno.net

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