



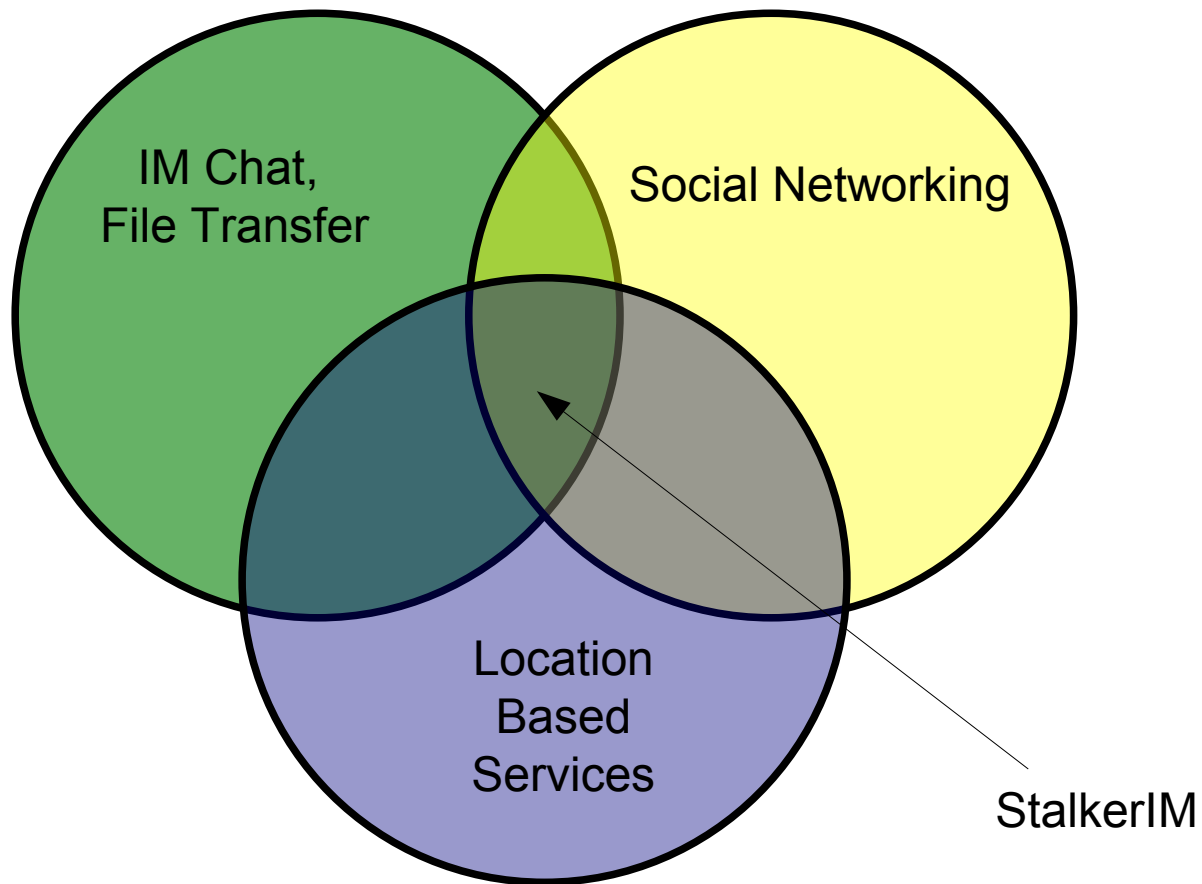
Application Development for Mobile and Ubiquitous Computing

Seminar Task Final Presentation

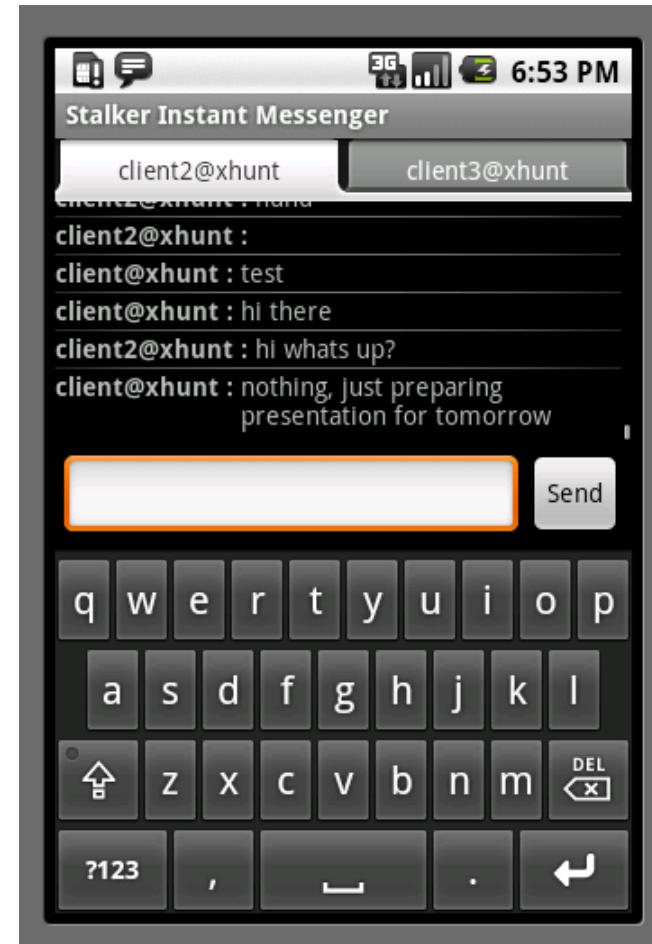
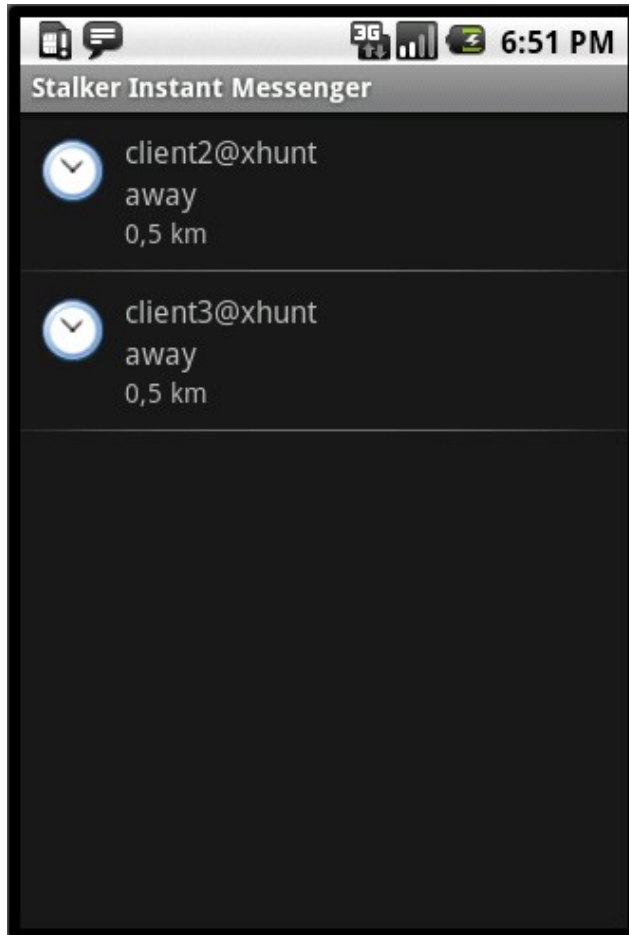
Team2

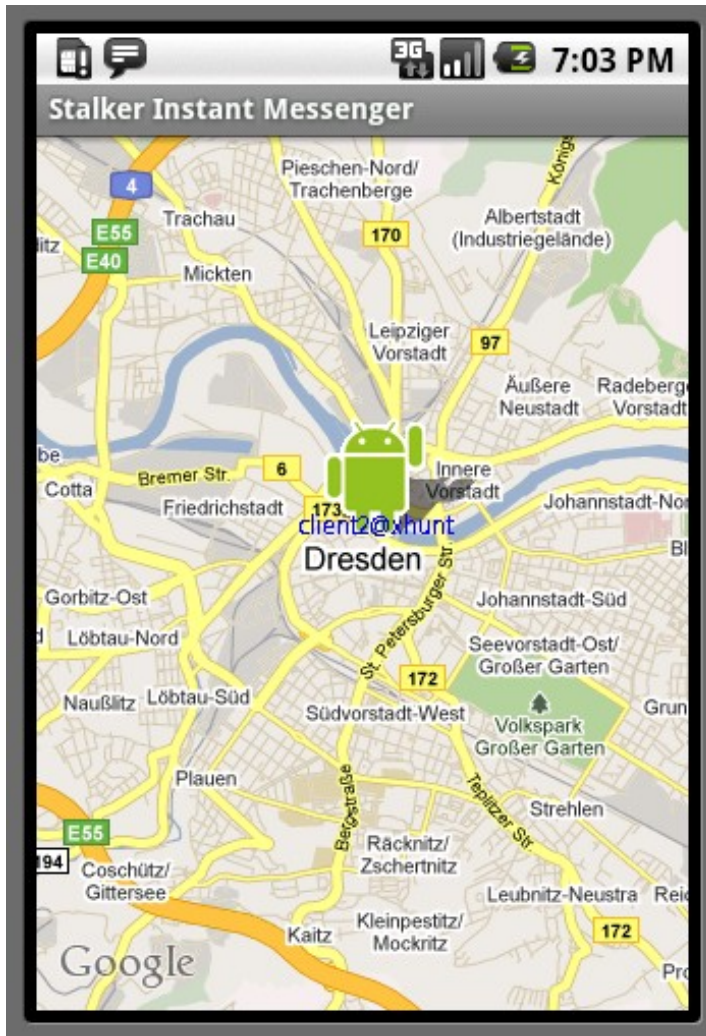
Christian Magenheimer / Michael Jahn

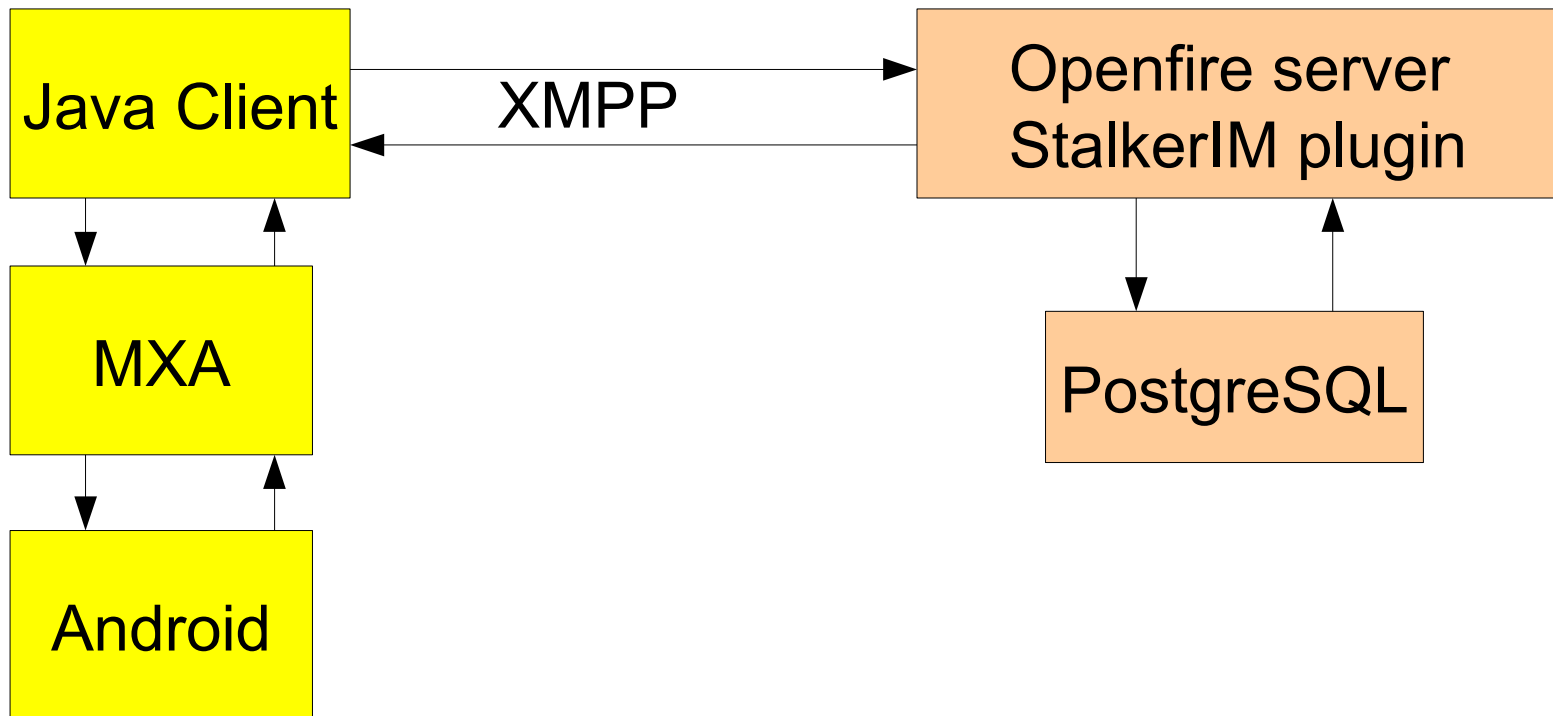
Dresden, 01/28/10



- Instant Messenger
 - chat, share media
 - see your contact list
- interest based social networking
 - define your own interests, get in touch with (locate!) people having similar interest
- locate friends on a map







- PermissionIQHandler
- ModeIQ
- BuddyCoordsIQHandler
- CoordsIQHandler
- GroupIQHandler
 - joinGroup
 - leaveGroup
 - getGroup
 - findGroup
 - getGroupsByJID

- Set the desired level of privacy for location based service on login
 - Invisible
 - Buddies
 - All

- Heterogeneity:
 - Using Android as platform
 - Development with Java
 - Standardized communication via XMPP
- Customer Satisfaction:
 - Usability: easy and fast to use
 - Privacy: level based policy for locating service

- Smack on Android does not work well
 - Replaced by MXA
- Android GUI-Programming is powerful and fast
- Emulator helps debugging but has extreme high resource consumption
- Usage of XMPP is bloating the source code
 - Handlers, Providers, Callbacks
 - not recommended in larger applications