

Programmation Orientée Objet

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Project Specification (2nd Milestone)

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SUPPORTED FEATURES (SO FAR!)

- Discover the available/connected users
 - e.g. UDP-based broadcast
- Assign a valid (and volatile) nickname
 - Part of the discovery broadcast procedure
- Have a discussion with a specific connected user
 - E.g. TCP-based messaging





NEW TARGET FEATURES

Local and light interfaces (View)

- Sample interfaces for basic operations at the agent side
 - E.g. authentication, discussion with send/receive boxes, users presence indication
- Assupmtion: Set of interfaces that come with the installed application at the agent side
- Recommended (but not necessarily required!) technology:
 - Java Swing







- Messages persistency (Model)
 - Local Database in the local machine
 - Assumption: Users always connect from the same host
 - Remote Database server
 - You need to email me to get informations access and credentials
 - Recommended (but not necessarily required!) technologies:
 - SQL: MySQL + JDBC
 - NoSQL: MangoDB + MangoDB JV









• Presence Management (Control)

- Yet another variant of users discovery that relies on telco
 Presence Service concept
 - Multi-tier architecture: Agents interacting with Presence Server
- Presense server that holds valid users accounts and manage their status (e.g. online, offline, on call, do not disturb)





- Agents that
 - Subscribe() to the server whenever they join
 - Publish() their status
 - Notify() in case of any changes
- Recommended (but not necessarily required!) technology:
 - Java HTTP Servlet





- Tomcat Server:
 - Tomcat V9 + tomcat9-admin packaged and installed within Ubuntu
 - URL: https://srv-gei-tomcat.insa-toulouse.fr
 - Credentials: INSA Login / INSA password

