



Application Development for Mobile and Ubiquitous Computing

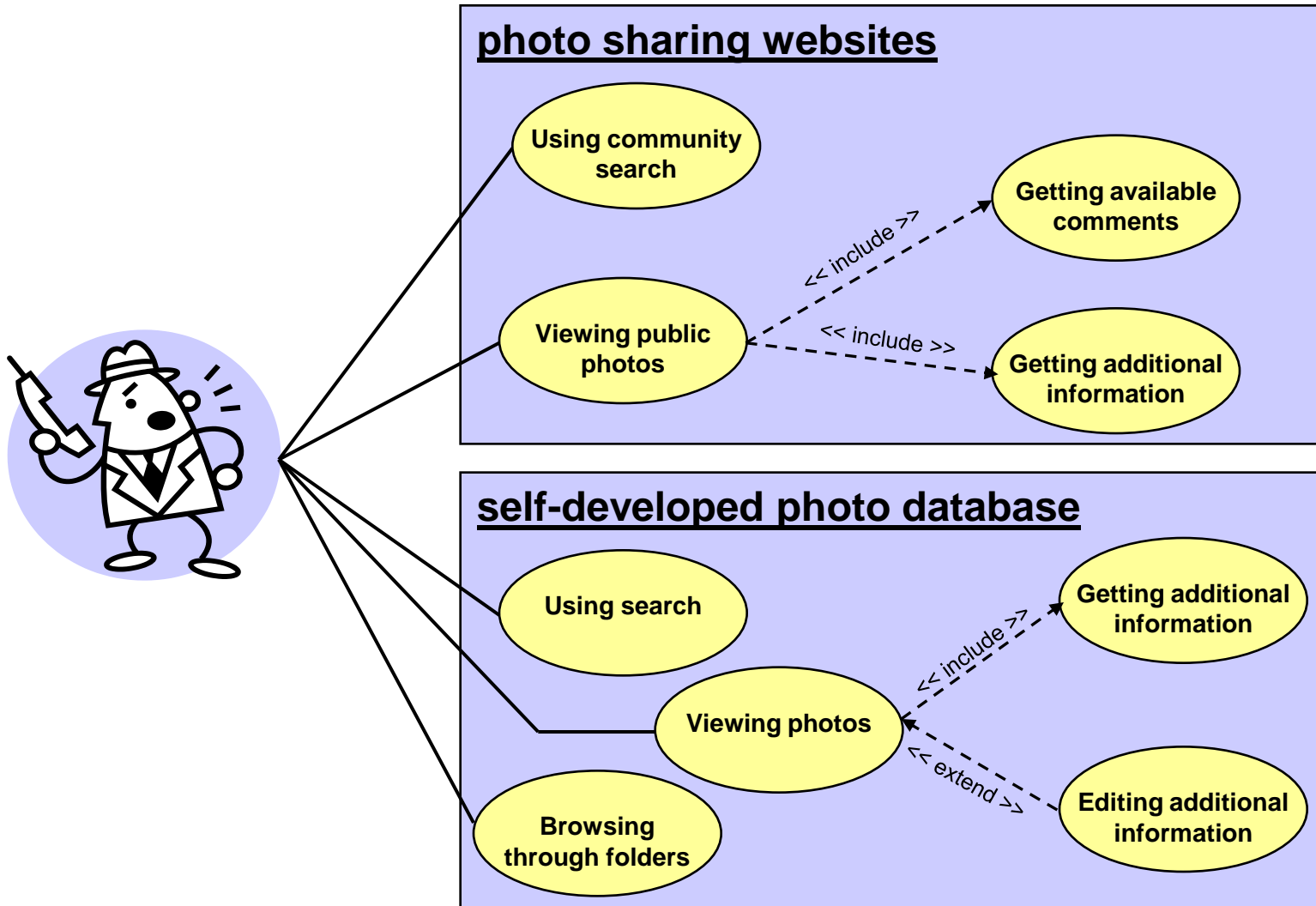
Task 1 – Adaptive Image Viewer First Presentation

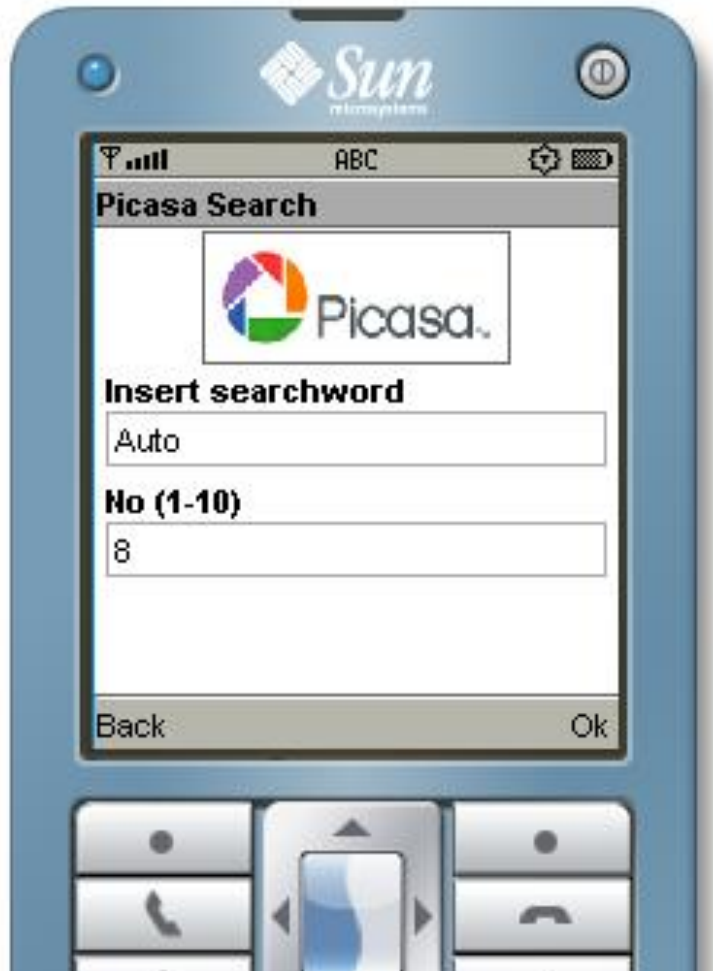
GroupNo. 1

Team: Robert Lübke, Daniel Esser

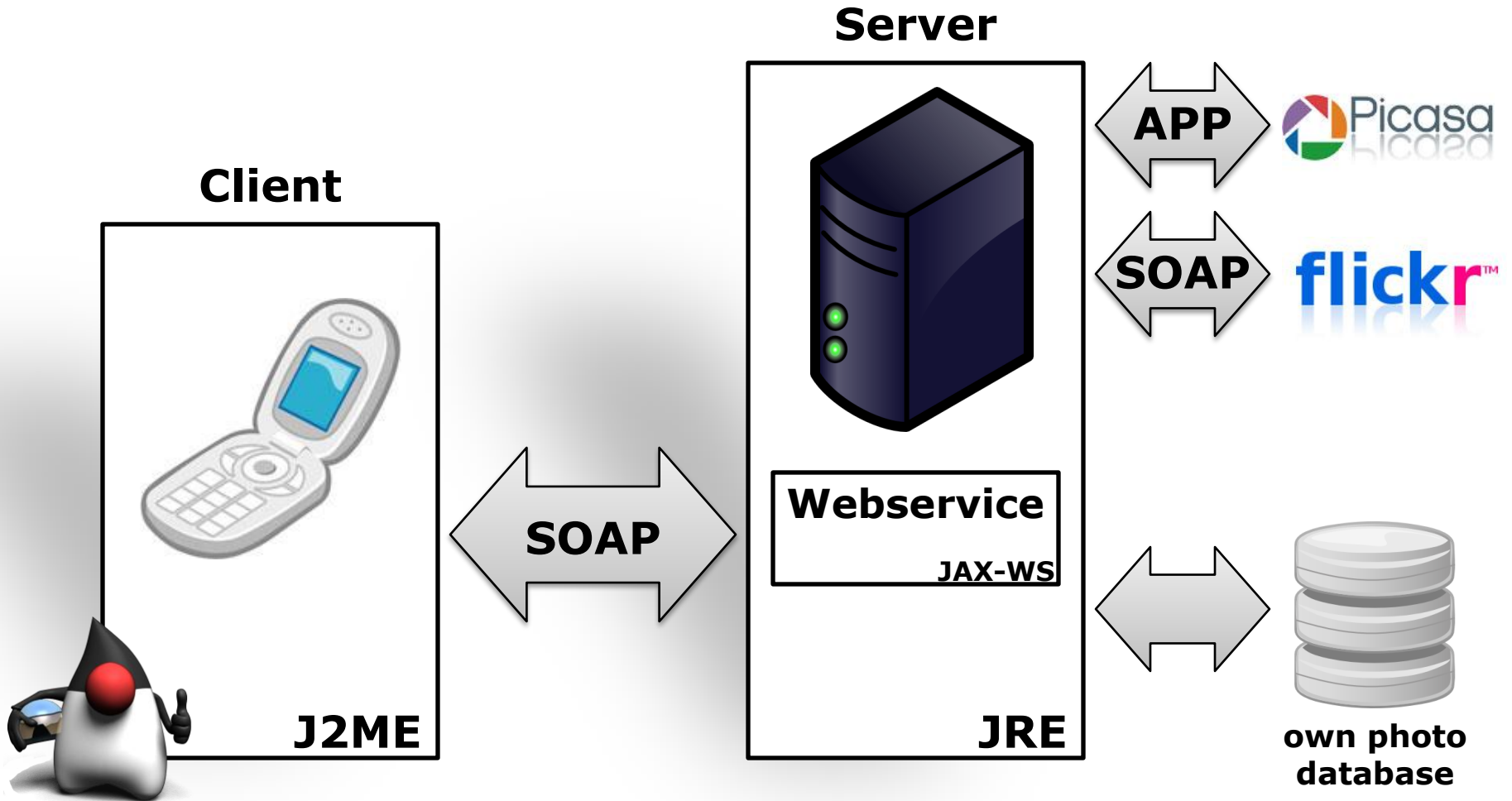
- Aim:
 - Adaptive image viewer for mobile phones
 - Integration of different photo sharing websites (Google Picasa, Flickr, ...)
 - Using the community search
 - Viewing comments and additional information about found pictures
 - Integration of a self-developed photo database
 - Using the search function
 - Viewing and editing additional information







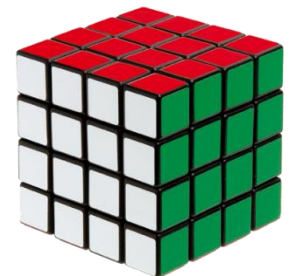




- Client
 - J2ME (Java Platform 2, Micro Edition)
- Server
 - JDK 6 (Java Development Kit 6)
 - JAX-WS (Java API for XML – Web Services; included in JDK 6)
 - JRE (Java Runtime Environment)
- Connection
 - Client – Server → SOAP
 - Server – Picasa → APP (Atom Publishing Protocol)
 - Server – Flickr → SOAP



- Restricted mobile devices capabilities
 - Identification of display parameters (width, height)
 - Rescaling images according to display parameters and available bandwidth
 - Traffic reduction as a consequence of implemented cache
- Heterogeneity of software
 - Useable on every mobile phone with J2ME
- Usability
 - Optimized content for available display
 - Easy interaction due to well-arranged forms



Date	Task
~ 30.10.2009	End of literature research
~ 06.11.2009	Implementing the Web Service without application logic
~ 16.12.2009	Completion of first prototype (Server and Client)
18.12.2009	Second presentation
~ 22.01.2010	Completion of final version (Server and Client)
~ 28.01.2010	Test and correcting failures
29.01.2010	Final presentation
05.02.2010	Submission of final results