



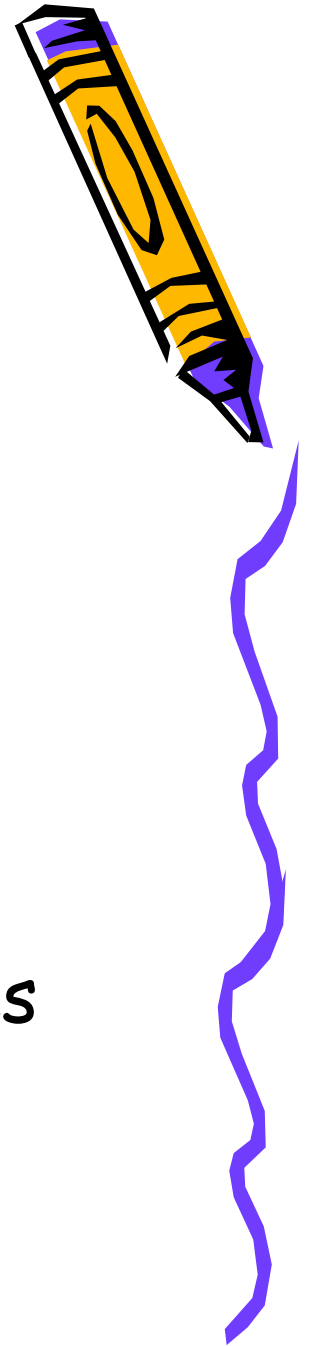
Inkboard Open Source Vector Drawing

Jason Segal, Brandi Soggs, Steven
Montgomery, Matthew Weinstock, Jonas
Collaros



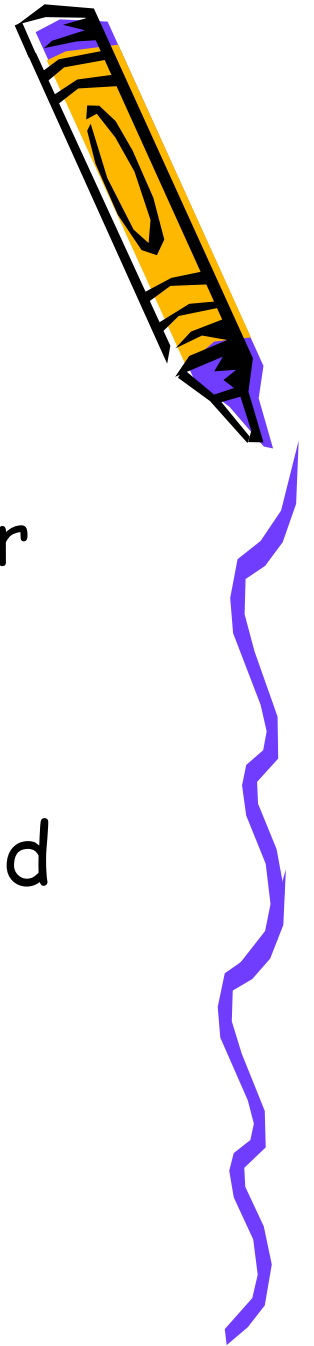
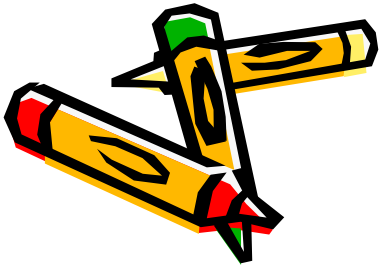
Recap

- Inkscape - Open-Source Scalable Vector Graphics (SVG) Program
 - Via command prompt or GUI
- Jabber IM
 - Can have several private servers
 - Servers automatically route messages between clients on different servers



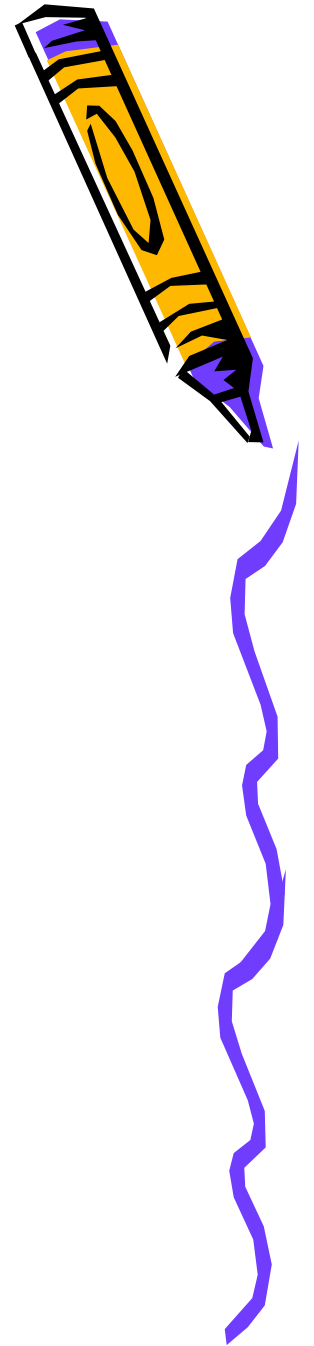
XMPP lessons learned

- XMPP Core
 - How Jabber clients connect to server
 - XML
- XMPP IM
- XMPP CPIM - Common Presence and IM
- XMPP-E23 - Security



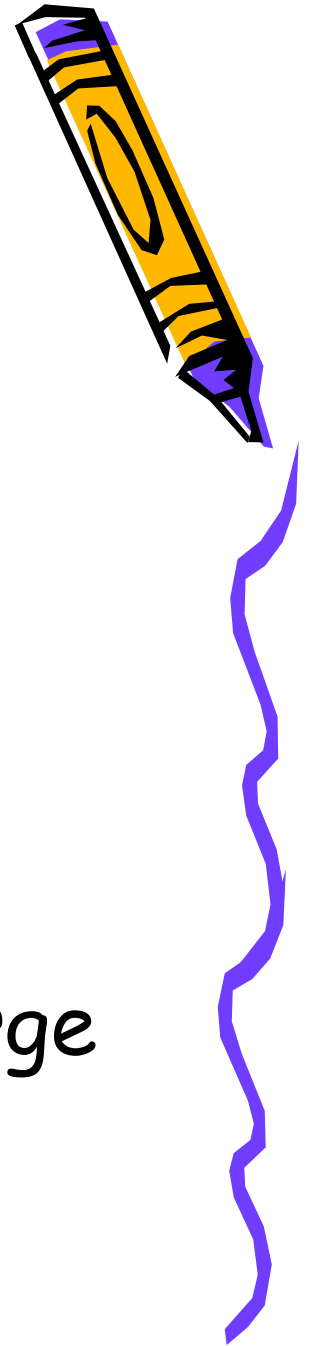
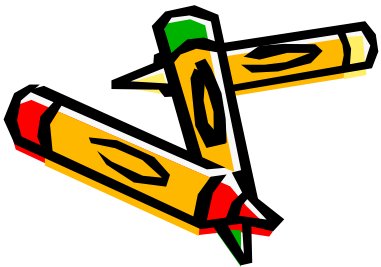
Design

- Protocol options
 - Nominal Host
 - Random Back-off(ALOHA)
 - Hybrid
 - Client-Side Resolution
- Extend XMPP Protocol
 - Be careful & clean



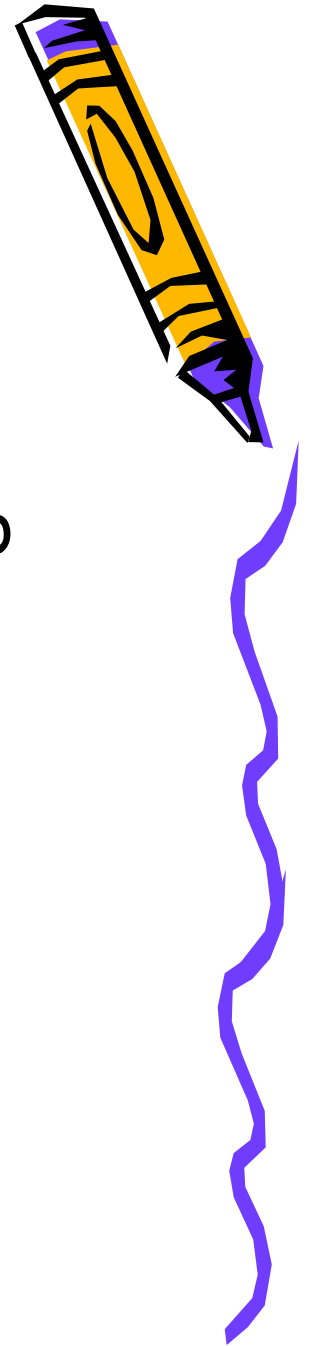
Testing

- End User focused
 - Scalability
 - Usability
- Light Regression Test
- Not testing existing software
- Progressive releases on SourceForge



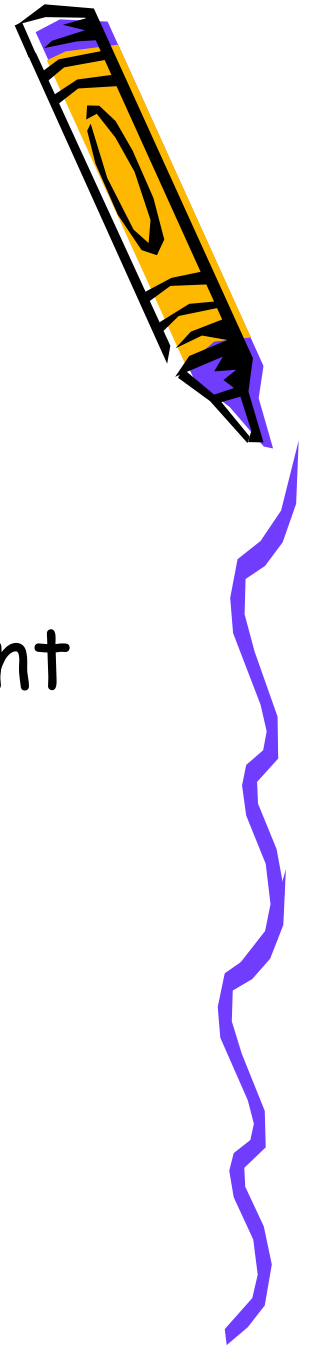
The future

- Finalize protocol
- Milestones - Release on SourceForge to get feedback
 - Basic connection
 - Client-to-client connection
 - Chat-room connection
- Implement suggest revisions to documentation



Lessons so far

- Client reads the documents
- UML
- Clients should be told about student breaks
- XMPP document is long
 - Do not underestimate protocol documents



Questions

