

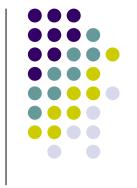
Collaborative Protégé

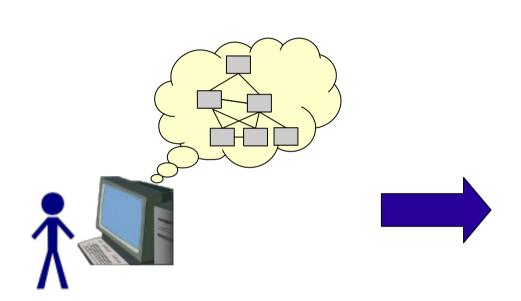
Tania Tudorache, Natasha Noy

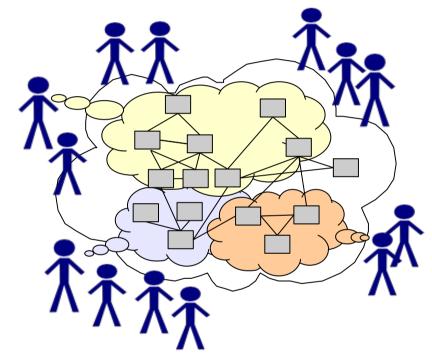
10th International Protégé conference

Budapest 18. July 2007

Evolution of ontology development







- Single ontology developer
- Small size ontologies
- Desktop applications

- Community of ontology developers
- Large ontologies
- Web applications

Collaborative Protégé Functionalities

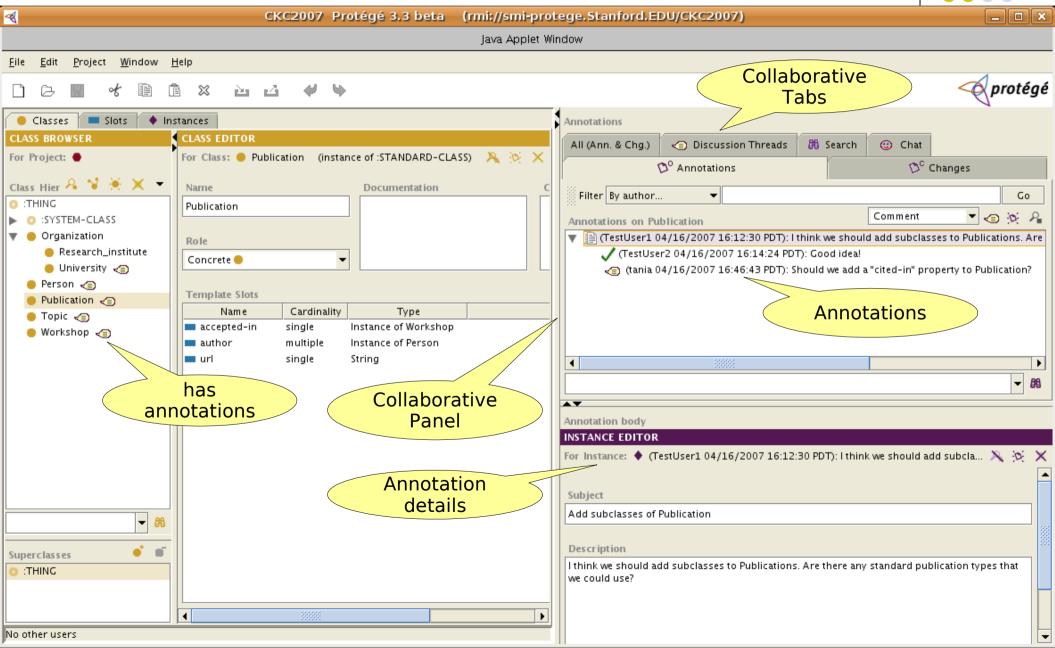


- Extension of existing Protégé system
- Support for:
 - annotating ontology components and changes in the ontology
 - discussion threads
 - proposals and voting
 - searching and filtering
- Works in Protégé OWL and Frames
- Available in multi-user and stand-alone modes
- Distributed with Protégé installation

http://protege.stanford.edu/doc/collab-protege/

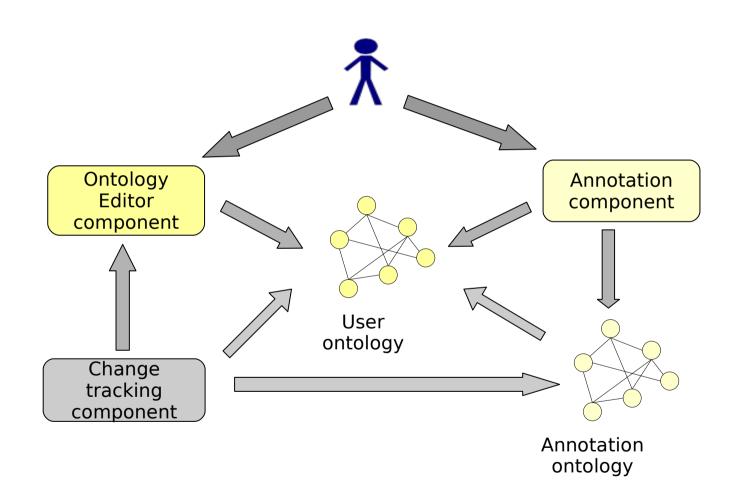
Collaborative Protégé GUI





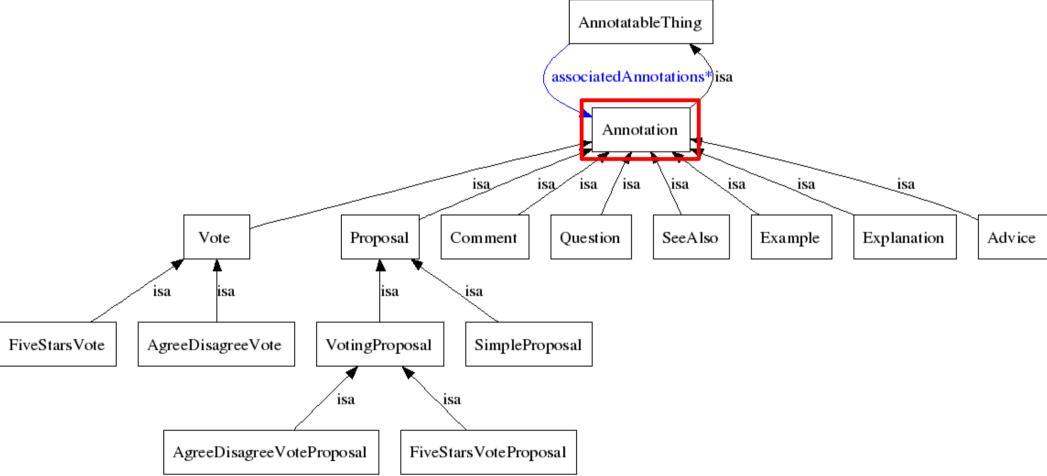
Interactions in Collaborative Protégé





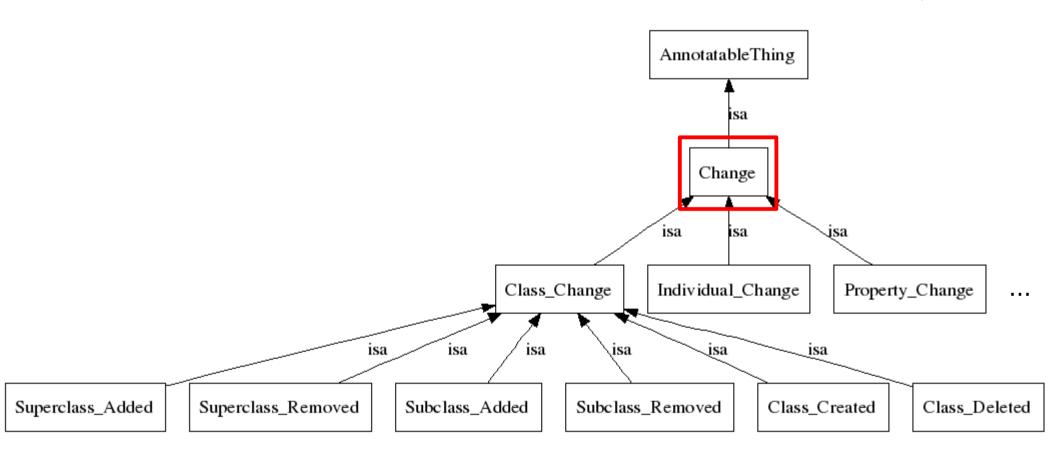
Annotation ontology Annotation class



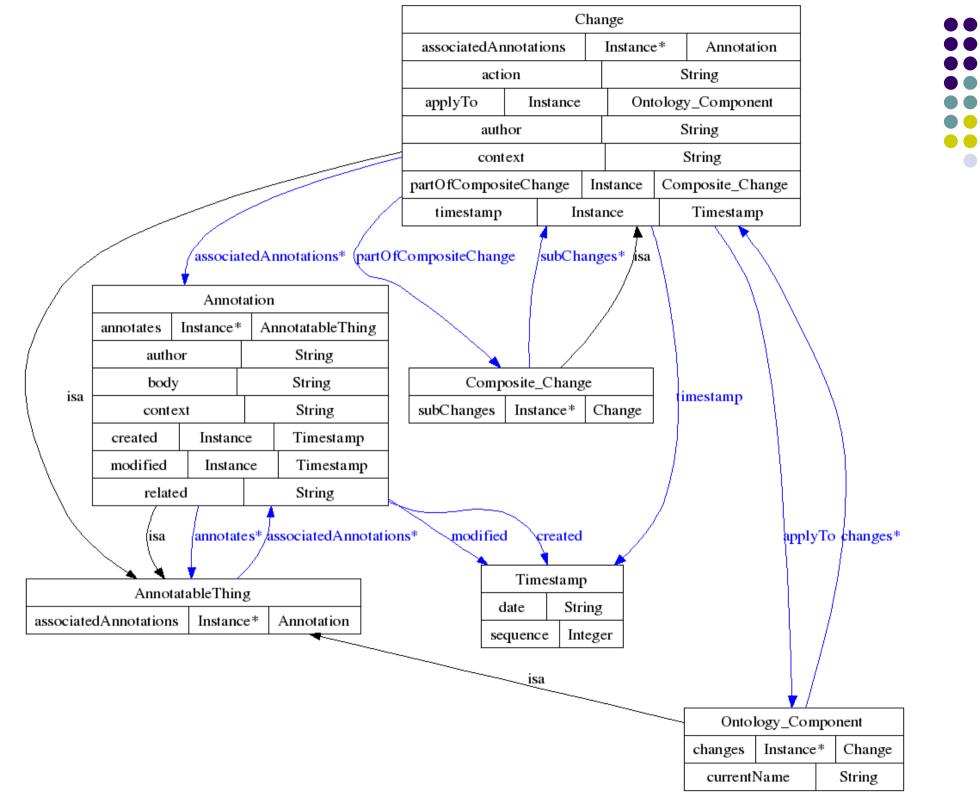


Annotation ontology Change class



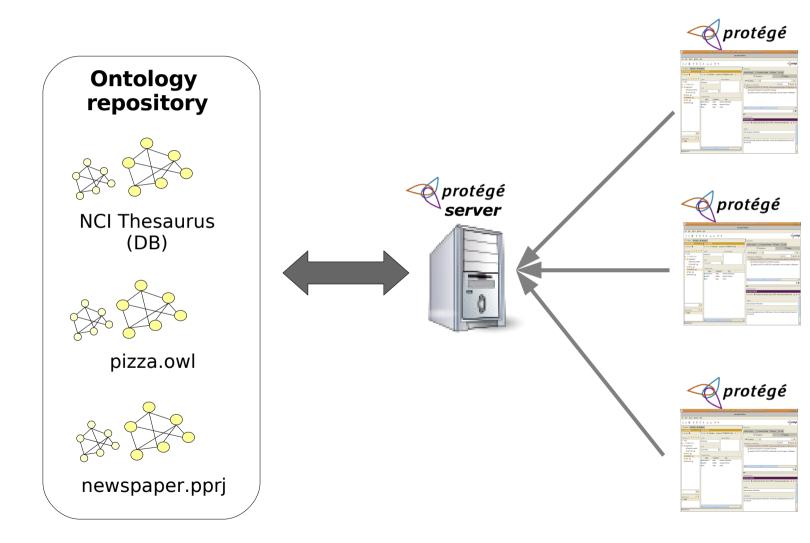


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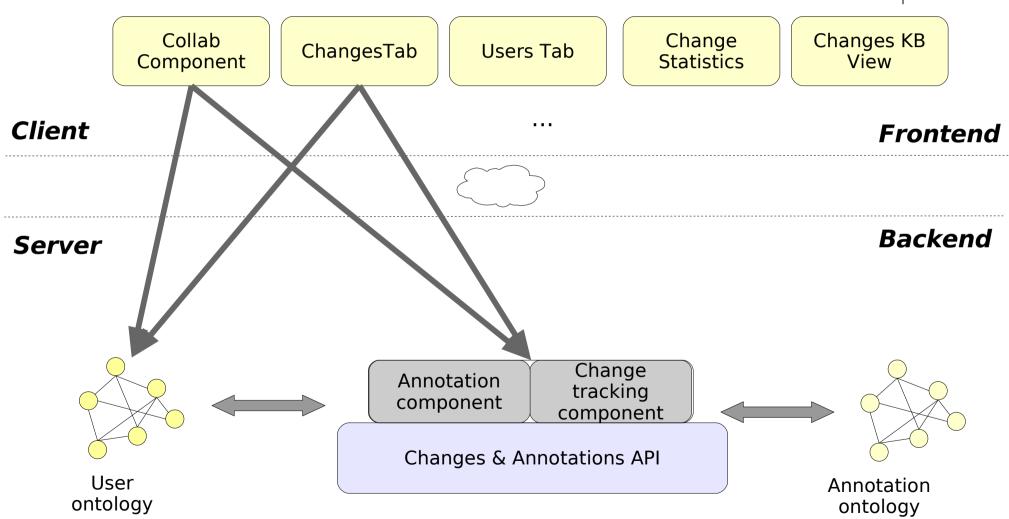
Runtime Setting with Multi-user Protégé





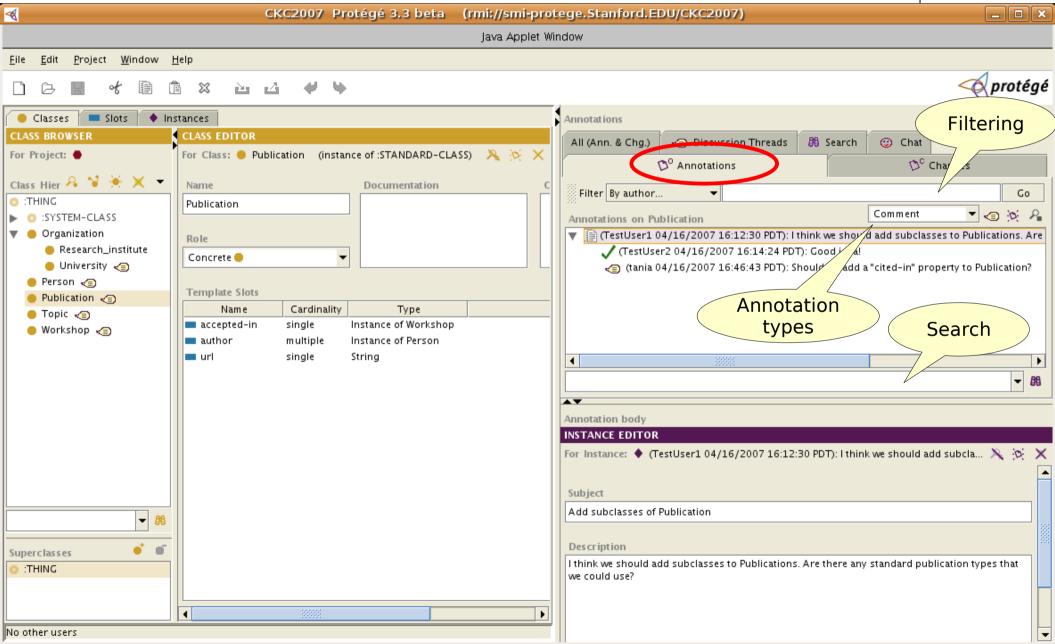
Client-server architecture





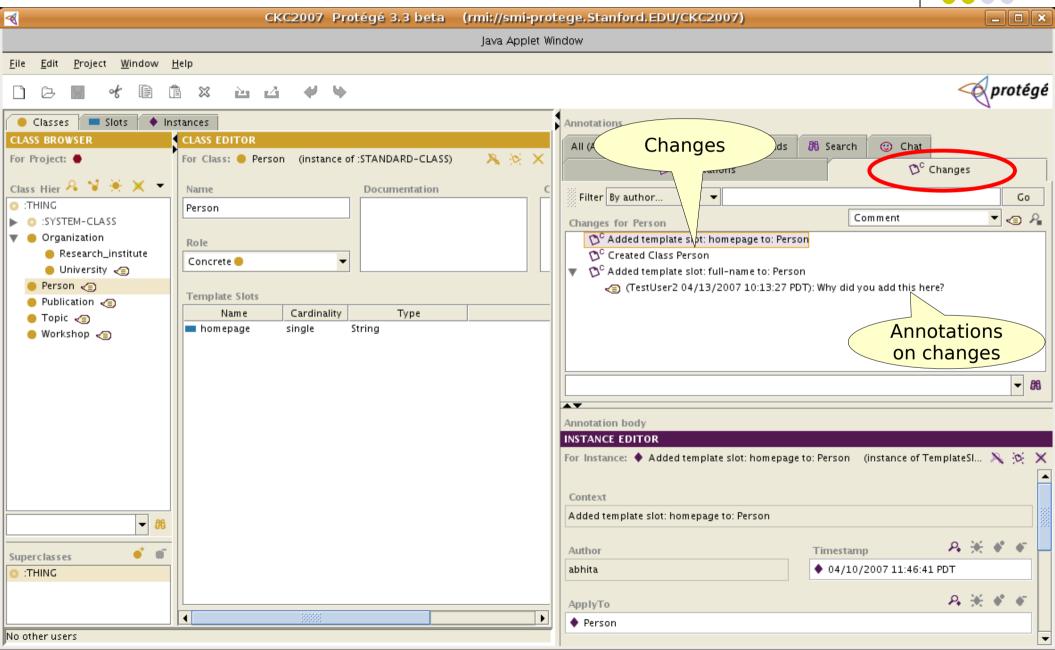
Annotations Tab





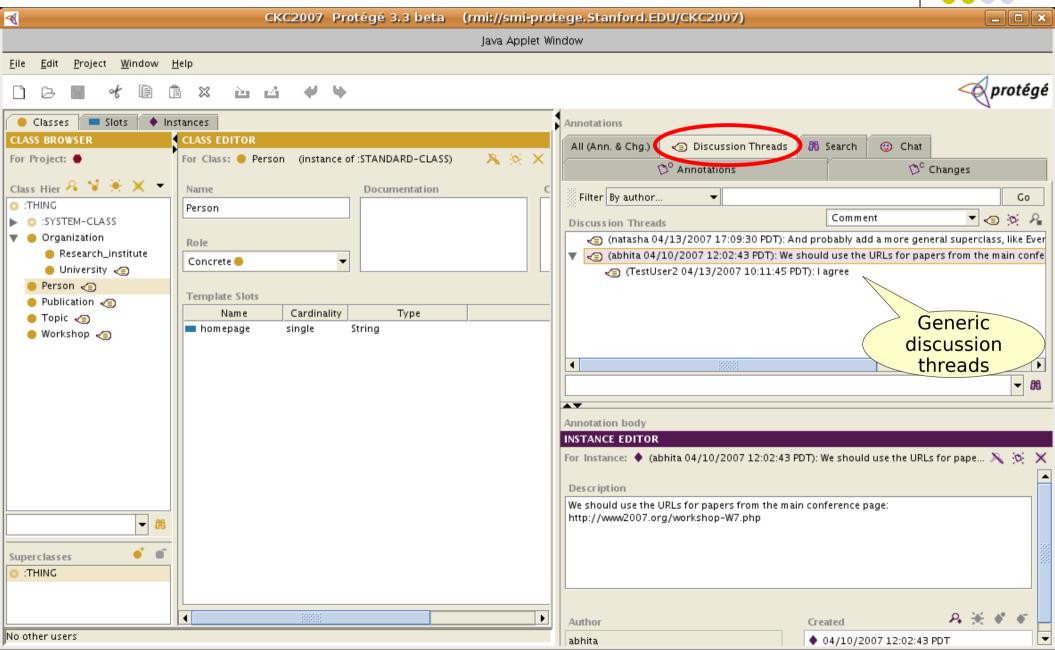
Changes Tab





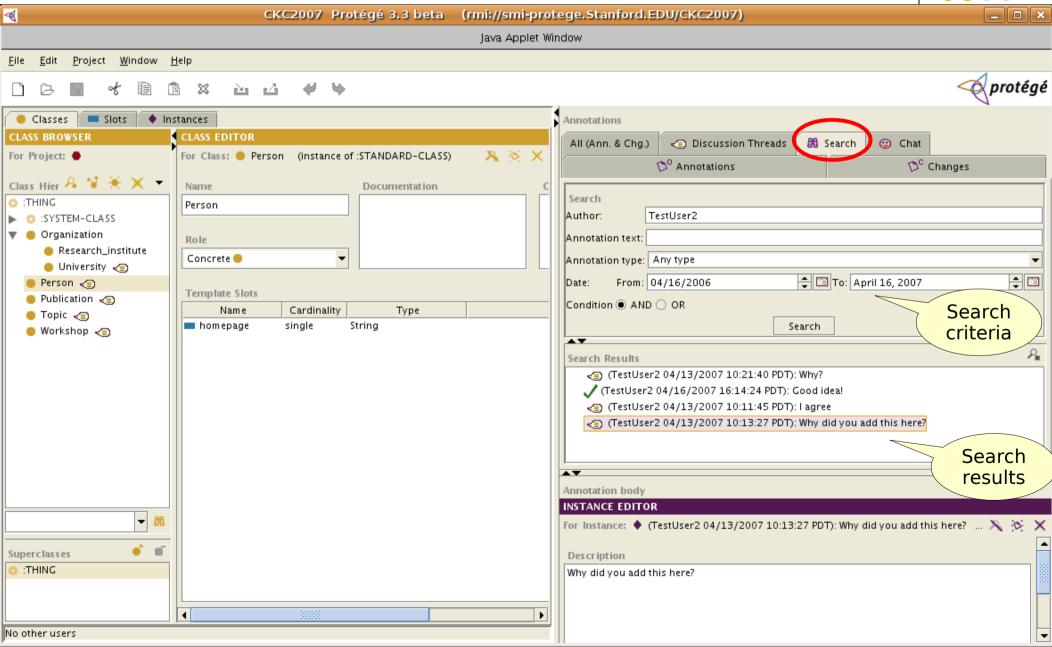
Discussion threads Tab





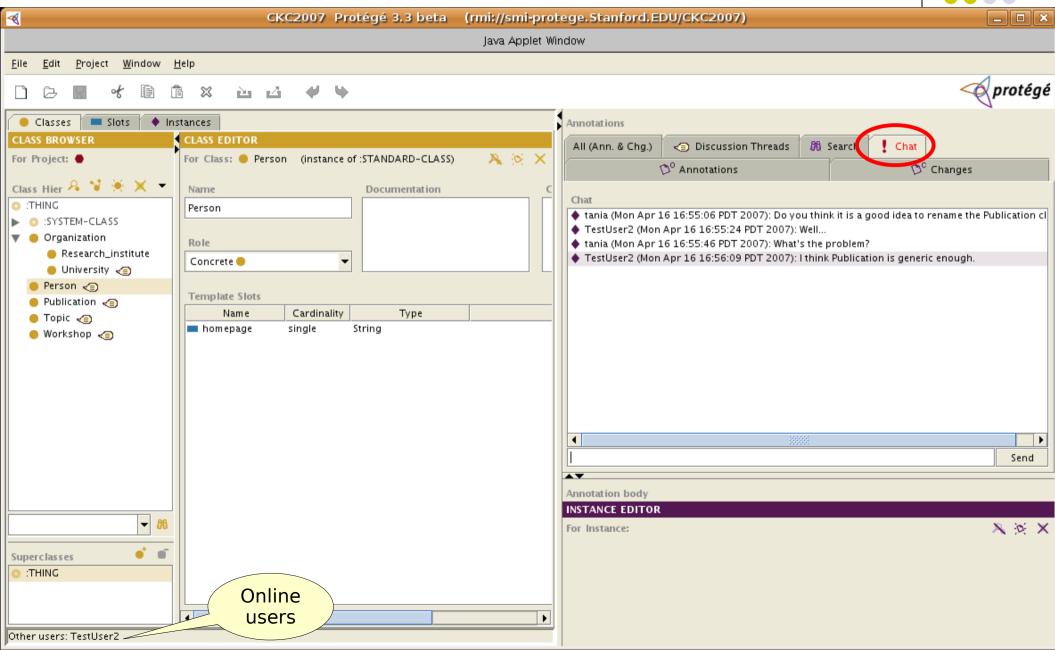
Search Tab





Chat Tab





Future directions



- Modularization API access
- Plugin architecture
- Optimizations of the Annotation & Changes ontology
- Optimizations with respect to performance and scalability

- Support for different workflow models
- Implementation as a web application