Project Synopsis

Project number	*22*
Project Title	***Protege Plugin for Ontology Extension***
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Description

The goal is to create a plug-in to an ontology viewing software (WebProtege or WebVOWL) that allows an expert to approve or reject new concept annotations. Once the UI is ready, a mechanism of choosing and weighing the annotations by different experts can be developed, which can then be integrated into the software to allow humans to approve automatically extracted ontologies with corrections.

Profile of Users

This system is intended to be used by one kind of user – an expert (need not be a specific domain expert) who will approve or reject relations extracted by a machine. The UI will be simple and accessible to general computer users, and the value of each expert's vote can be determined automatically once the UI is ready.

Usage Model and Diagrams (if any)

The ontology will be viewed as a graph (with nodes representing concepts and edges representing relationships between concepts), and the user will click/hover on an edge to view the annotation for that edge, and then right click to see a small menu that will allow the expert to accept or reject that annotation. The user can do this for multiple relations in the ontology.

User Dashboard

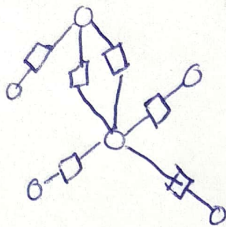username logout

List of ontologies user can view :-

Ontology 1   ontology 2

View Ontology

Home	username Logout

Details about ontology

Details about property/node selected

Accept/ Reject

USER FLOW

SignUp/SignIn

View list of ontologies on the dashboard

Select an ontology file for viewing

Accept/Reject an annotation

Decision of user gets stored in the database

User further accepts/reject or logs out of the app

USER FLOW

Admin aggregates decisions on new relations

Admin uploads or removes ontology files

ADMIN FLOW