

Protege 1.4.2 Scope Document

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Document Information

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Client: NCI CBIIT
National Institutes of Health
US Department of Health and Human Services

Sign off	Date	Role	CBIIT or Stakeholder Organization
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The **purpose of this document** is to collect, analyze, and define high-level needs and features of the National Cancer Institute Center for Biomedical Informatics and Information Technology (NCI CBIIT) Protégé Release 1.4.2. This document focuses on the functionalities proposed by the product stakeholders and target users in order to make it a better product. The use-case and supplementary specifications document will detail how the framework will fulfill these needs.

Vision and Needs

The **objective of this release** of Protégé 1.4.2 is to provide bugs fixes found in previous Protégé releases as well as validating functionality that had been developed in previous releases but never tested. Then fixing any defects that come out of that testing.

Current Solution

Protege 1.4.1.1 is currently in production.

Feature Requests

GForge number (hyperlinked)	Brief description of item	(Approved or Proposed)
16191	Export of inferred Ontology - Tweaks to output file	Approved
18998	Load explanation server from the Protege KB using the OWL API converter in Protege 3.4	Approved
18999	Serialize state at explanation server shut-down so start-up can be incremental since previous run	Approved
22785	Only exports the first page of results in LQT search	Approved
23385	update protege/workflow and SWM to handle new XML Literal complex properties	Approved
24359	Batch jobs performance improvements	Approved
24360	Batch jobs robustness	Approved

24461	Allow multiple domains and ranges	Approved
26328	Report Writer outputs extra instances in 'Property value present' query	Approved
26416	Unable to get filler values from roles in query export	Approved
26548	A button to refresh the class hierarchy tree in the class browser pane.	Approved
26567	Disable Tooltips for NCI ontologies.	Approved
26568	Add a Complete button to workflow subtab	Approved
26569	Remove Unnecessary scripts from Protege Server / Explanation Server Folder	Approved
26570	Lucene query tab default setting will not search PATO	Approved
26571	Export of Annotations are viewed by OWLAPI as ObjectProperties	Approved
26573	Start or restart of the Explanation server has lost the time/date reference	Approved
26605	In all NCI Editor Tabs except the Edit tab concept name property is not displayed properly	Approved
26606	Edit set as default instead of Load Please	Approved
26634	"by code" (rdf:ID is meaningless)	Approved
26666	Configurability	Approved
26668	wiki collaboration	Approved
26669	Runtime classification	Approved
27029	Results panel callable from the explanation tab	Approved
28860	:NAME needs to be added to pull down list of Attributes w/ID in Report Writer	Approved
29103	Prevent save of a class that has less than 2 N&S conditions.	Approved

Bug Fixes

GForge number (hyperlinked)	Brief description of item	(Approved or Proposed)
7679	(make configurable) Default search parameters for Advanced Search are not default for search w/in search	—
9298	Prompt - accept and reject icons in 'changed by' panel of 'table' view don't work	—
11082	Change of Focus after Retire	—
20906	Protege incorrectly exporting names with quotes	—
21549	Single quote mark around multi-word parents	—
21738	Hierarchy is not refreshing the D when retire concept	—
21946	Incorrect unretire functionality	—
22090	Tool Tab compression and disappearance	—
22104	search string appears empty when invoked from restriction dialog box	—
22181	Convert project to format seems to run twice	—
22902	Create a restriction with retired individual in premerge only	—
23457	lucene search option falls off pull down list not sure of the trigger	—
23527	Explanation server synchronization issue with retire action	—
23564	protege:readOnly=true behavior is unexpected	—
23581	Inconsistent reject button availability	—
23582	PROMPT Tree View reject gave null pointer exception	—
23710	Legacy_Concept_Name is ReadOnly but will be replicated in copy/split actions	—

23795	Legacy_Concept_Name should not transfer during merge	—
23874	User's Guide goes to Protege 2000 page	—
23876	Cannot change case of PT and PN	—
24274	inheritance of role restrictions is no longer working correctly	—
24432	Strange behavior on Preferred Name change	—
24445	Failure of Lucene to index at runtime	—
24503	LQT nested query causes error dialog	—
24803	Edit of Preferred_Name does not always sync the NCI PT	—
24837	Search using contains is very slow	—
24955	Rejection of changes to Retired Concept branch caused deletion of newly retired classes	—
25019	Selection of display slot for individuals is not scrollable	—
25464	Properties that have spaces cannot be edited in the Edit tab	—
25645	identifiable?	—
25646	SPCA contrib source	—
25769	Error Message displays association error, yet performs edit	—
25840	Strange output during Explanation Server restart	—
26169	Duplicate Full Syn atom could not be deleted via NCI Editor Tab	—
26432	unable to find concept	—
26463	Remove hard-coding of LONG_DEFINITION and other deprecated complex properties	—
26478	Cannot add role after editing a parent due to loss of focus in class browser	—
26512	"Increase or Decrease Font Size" causes Edit Tab increment	—
26540	extra prefix string when exporting ALT-DEFINITION and DEFINITION	—
26682	report writer fails to produce output	—
26715	EditTab not persisting complex properties correctly	—
26759	GO_Annotation props not showing in correct panel	—
27037	Allows duplicated roles to be added with batch processing	—
27038	Different "Reviewer Name" is displayed	—
27041	"Delete Parent" is allowed to delete last parent when batch processing.	—
27043	OLD_PARENTS and OLD_ROLES ought to be added simultaneously	—
27076	batch delete definitions fails	—
27078	"Required field" for FULL_SYN is not enforced when doing Batch Processing.	—
27079	"Required field" for DEFINITION or ALT_DEFINITION is not enforced when doing Batch Processing.	—
27248	deleting a role takes rdfs:label (preferred name) and should take rdfs:ID	—
27755	Trouble with usage of datatype properties	—
27757	Spotty Synchronization of NCIEditor Hierarchy with Explanation and OWLClasses Tabs	—
27855	Enable the use of rdfs:comment	—
27969	New strange behavior on PT change	—
28088	Preretire fails if redirect or remove two of the same restrictions pointing to the preretiree	—
28123	Generate Report with attributes does not display Definition or FULL_SYN	—
28127	AQP export needs to escape comma everywhere	—
28265	rename a class and rename it back leads to loss of type information.	—

28284	Tabs in Edit Tab Preferences can't be removed. (Tabs in Edit Tab Preferences can't be added).	—
28312	"Delete FULL_SYN" in batch processing doesn't work	—
28335	Batch delete of Semantic_Type fails	—
28364	Need to be able to configure Property Value Query in the LQP	—
28400	Performance Issues	—
28416	New concept with existing rdf:ID fails to be created, insufficient error message.	—
28417	Can only shutdown protege server through the Administer Server GUI	—
28532	There is error message when batch processing special characters "& and <" fails.	—
28553	Classification Optimization	—
28586	Reasoner Error While Classifying in Standalone Mode	—
28589	New scenarios that have strange behavior on PT change	—
29097	Performance testing	—
29102	Preretire causes multiplication of OLD_SOURCE_ROLES from referencing classes	—
29145	Figure out if LQP result display timing is okay for a number of search scenarios.	—
29147	LastUsageInvocationHandler being called with a high frequency	—
29193	Restrictions drop off when toggling from primitive to defined related to concurrency	—
29236	Split and Copy don't work in protege ByCode 1.4.2.174.	—
29258	Typo in Batch Load parent causes infinitely repeating exception	—
29286	Qualifiers of Complex Properties don't display (ByCode)	—
29289	Legacy_Concept_Name ReadOnly works but it is passed to new concepts	—
29290	Retired concept is not listed under Retired Concepts	—
29342	Changing Preferred name makes 2nd rdfs:label be added. (NCIt - ByCode)	—
29344	There is no check-box next to Retire in the "Edit Tab Preferences"	—
29346	Cannot Edit Concept assigned in NCI Workflow (NPO)	—
29357	java.lang.NullPointerException is displayed in console windows after check /uncheck Copy, Split, Merge, or Retire in Preference.	
29358	Association Edit/Delete failed.	—
29383	Does not retain assignment of workflow task from creation dialog	—
29445	report writer fails to produce correct output for no attributes	—
29463	The record number in the batch log may not match with the "line number" of the input file.	—
29464	An invalid value is able to be added into the property Contributing_Source by the batch processing	—
29550	Need to use Display slot in Explanation tab panel	—
29552	After merge, redirected filler values are not updated by the Explanation Server	—
29565	A user was able to premerge two classes into a third class during concurrent editing	—
29569	Duplicate restrictions after merge with restriction pointing to surviving concept	—
29571	Invalid messagebox/warning to user when modify a concept with N&S restrictions	—
29646	Review panel from LQT pane displays class name as "foo"	—
29707	Exceptions are thrown when closing "Select a property" dialog-box nested in "Edit an Object-Valued Property" dialog-box.	—

General Support Activities

This section describes in detail all the related activities which must be performed for this release but do not add functionality. These activities are included in the scope and project plan due to level of effort or relative importance to the overall success of delivery of the release.

GForge number (hyperlinked)	Brief description of general support activity	Iteration (Approved or Proposed)
—	Example, "Level 2 Support, integration of help and training to the user community."	—

Stakeholder Summary

Customer Name	Role	Interest/Need
NCI CBIIT EVS Content Editorial Team	EVS Content Management	Primary Users of Protege. Utilize Protege to edit EVS content
—	—	—

CBIIT Staff /Contractor Name	Role	Responsibilities
George Komatsoulis	NCI CBIIT	Oversees NCI CBIIT Application Infrastructure
Avinash Shanbhag	Director of CORE Engineering	Oversees NCICB caCORE Software Engineering
Frank Hartel	EVS Product Manager	Directs EVS Projects
Sherri de Coronado	Contract Project Officer	Management/technical resource from Bioinformatics vertical. Contract management, coordination, testing, documentation
Gilberto Fragoso	Government Lead	Technical resource from Bioinformatics vertical

Technical Environment

This product uses the following technical components which have been derived from the current [NCICB Technology Stack](#).

Component	Description
Client Application	The Protege client is java based and provides a complete editing environment for Protege databases, call ontologies. It uses the same plugin architecture to support extensions, called Tabs. For example, the NCI Edit Tab, Workflow, Changes, and Prompt, are examples of plugin tabs. Java 1.5.x
Application Server	None
Database Server	MySQL
Operating System	Any that supports Java: Windows XP, Linux, OS X
Other	Portable ANSI-SQL compliant relational schemas

Product Dependencies

This release is dependent on the caCORE components or products documented in the [CORE Product Dependency Matrix](#).

[Provide additional explanation as applicable. For example, "The EVS vocabulary systems are used by the Java client to retrieve and validate concept information for naming and defining meanings."]

Out of Scope Items

Items that are out of scope were evaluated as part of the initial scoping activities for this release, and subsequently not included in the final approved scope. These items are also documented in the cumulative backlog of requirements found on the product GForge site. They include out-of-scope functional requirements (enhancements or new features), bug fixes, non-functional requirements, and general support activities.

GForge number (hyperlinked)	Brief description of item moved from the in-scope section with brief explanation added of why it was not included in this release	Iteration during which the item was removed from in-scope
22104	search string appears empty when invoked from restriction dialog box	—
23565	refactoring namespaces	—
24510	Need a fail-safe for creating codes for properties	—
28509	Edit tab does not handle & or < properly	—
29143	role groups not handled when toggling prim/defined	—
29358	(NPO) Association Edit/Delete failed.	—
29513	Improved formatting of batch load with error	—
29517	When invalid format is provided on a clone it doesn't retain previously entered Definition	—
29665	"Create Workflow Task" doesn't work" in 1.4.2.223 ByCode.	—
29720	PreMerge "two concepts" after renaming them is not allowed.	—
29752	Generate Reports shows undesirable internal values	—
29753	Extra box character shows in generated report	—

Document History

Item	Information
Document Version:	Click the Info tab. View the Recent Changes or click the link to view the page history.
Last Modified:	Refer to the first line displayed in the document window.
Project GForge site:	Project GForge site link ; Docs archive , Files archive
Most current version:	Unless the display includes a notice that you are viewing a previous version, you are viewing the most current version of this Scope Document for the release indicated in the title.
Revision history:	Click the Info tab. In the Recent Changes area, click the link to view the page history.
Review history:	Click the Info tab. In the Recent Changes area, note the developer who made each change and the date and time. Refer to the Key People Directory for their roles. Click the link to view any page or to view the page history, and then click the link for a page. When the page opens, view the comments and changes made in that version.
Related documents:	Name and URL of each related document

Project Information

CBIIT Management	Role	Responsibilities
Frank Hartel	Product Manager	Oversees development of the product: features, functions, definition of stakeholders, priorities within the scope, timeframe for release
Avinash Shanbhag	Engineering Manager	Oversees NCICB caCORE software engineering practices, conducts design reviews, guides technical development
Denise Warzel	Product Line Manager	Oversees NCICB caCORE product line. Responsible for overall product integration, major and minor release cycles. Supports Product Manager.