Protege 1.4.1 Scope Document

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Contract: [EVS:Contract number]
Client: NCI CBIIT
National Institutes of Heath
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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 1.4.1. 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 1.4.1 is to provide bugs fixes found in previous Protégé releases as well as completing feature request for formatting of the complex properties and improving performance for batch edits.

This release will be performed over one main development iteration and a second iteration to cover any items found in UAT:

Iteration B0 - Development of Scoped Features and Bug Fixes

Iteration B1 - Bug fixes found from user acceptance testing

Current Solution

Protege 1.4 is currently in production.

Iteration B0

Feature Requests

GForge number (hyperlinked)	Brief description of item	(Approved or Proposed)
18997	Protege tab for reasoning server administration (including status information and kb reload)	Approved
22870	Would like to do 'property present' LQT queries with object properties	Approved

2948	Domain and Range checks on property restrictions at edit time	Approved
23003	Not able to have a NOT query in the nested query	Approved
23297	Restrict access to OWLClasses tab	Approved
23516	the changes ontology sees changes involving internal protege classification slots (e.g. protege: inferredSuperclassOf)	Approved
21375	Use of parseType=Literal for complex properties	Approved
18533	Changes Tab does not reflect items created in Batch Load	Approved
16324	Need indication of classifier run	Approved
16121	Button to make a concept defined	Approved
6082	BACK and FORWARD Buttons	Approved

Bug Fixes

GForge number (hyperlinked)	Brief description of item	(Approved or Proposed)
24801	Focus of editor switches while creating restrictions	Approved
22400	LQT results don't have search criteria appended at the end of the file.	Approved
22680	Restrictions added flagged as changes to Restriction classes in Prompt	Approved
24503	LQT nested query causes error dialog	Approved
24435	fitering inherited restrictions	Approved
24343	Cannot edit restriction that has an apostrophe in the filler value	Approved
24301	Add Individual button should only be enabled when hasValue is selected	Approved
23284	Batch edit to delete associations needs full association rdfs:ID	Approved
24196	Restore nci-specific export function in inferred tree widget	Approved
19404	Link which opens when an unstructured proposal is imported, opens an xml.	Approved
20587	infinite loop in Report Writer	Approved
22969	Report Writer fails on rerun after a cancel	Approved
22984	null pointer in Protege OWL layer	Approved
23006	Can't change tabs unless focus is on a concept	Approved
23204	After split one of the classes ended up with owl:thing as the only parent	Approved
23276	In Copy pane, the Preferred_Name and PT are automatically sync'ed with an improper AQ.	Approved
23431	Editing a role with Cardinality requires reselecting Cardinality	Approved
23529	Report Writer shows anon class defined by conjunction of NandS	Approved
23716	Report Writer incapable of generate completed report	Approved
23613	CompleteableCache throws a nullpointer exception	Approved
23057	Lucene indexing failure with database data	Approved
23631	Refresh of screen after classification slow and using up desktop resources	Approved
22879	BatchEditor gives a false positive	Approved
23530	Cannot edit the concept from workflow	Approved
23969	Batch edit takes a long time	Approved
22434	database accumulates garbage over a period of time	Approved
22405	NPE when selecting row from PROMPT differences table	Approved
20018	During a batch edit a new definition is accepted even without the qualifiers.	Approved
13586	Can the Read-Only view look like the Review pane (have one page with all class info)?	Approved
22781	Protege 1.4 loads ndf-rt with exceptions, property tab has the ugly widget	Approved
15632	Inability to reject and/or ignore suggestions from the classifier	Approved
22786	Expands the first top level node under owl:Thing when add Restriction	Approved

6067	rethink and redesign workflow of pre-merge/pre-retire	Approved
18033	Make Changes tab show login and log out	Approved
23495	Slow performance when creating new concepts including split and copy	Approved

Iteration B1

GForge number (hyperlinked)	Brief description of item	(Approved or Proposed)
25466	Cannot edit or delete associations	Approved

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

[caCORE: 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.

[EVS: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
7369	Include a domain in the classification report	—
7679	(make configurable) Default search parameters for Advanced Search are not default for search w/in search	—
8373	Word wrap attributes in Copy tab	—
8787	Controls can be pushed off to side of dialog with long attr	—
9298	Prompt - accept and reject icons in 'changed by' panel of 'table' view don't work	—
9572	Need to see the 'retired' designation for concepts found in part of AQP	—
12337	Automated configuration of server project	—
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	—
22785	Only exports the first page of results in LQT search	—
22902	Create a restriction with retired individual.	—
23385	update protege/workflow and SWM to handle new XML Literal complex properties	—
24803	Edit of Preferred_Name does not always sync the NCI PT	—
24805	Edit of Preferred_Name in Copy tab caused two rdfs:labels	—
24870	trouble with saving upper/lowercase variants in the FS slot	—
24878	Deprecated concepts are editable	—
24929	Restriction domain checking does not work correctly for referenced classes	—
24955	Rejection of changes to Retired Concept branch caused deletion of newly retired classes	—
26195	Variability in Batch Loading Times	—

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:	[EVS:Project GForge site link]
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 docume nts:	[EVS: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.