

Tool intro: Protégé

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Protégé

Protégé ontology editor

two flavors:

- web version
- desktop version

use for browsing, querying, editing or creating ontologies

vast amount of plugins:

- visualizations
- reasoners
- domain adaptations



A free, open-source ontology editor and framework for building intelligent systems

Protégé is supported by a strong community of academic, government, and corporate users, who use Protégé to build knowledge-based solutions in areas as diverse as biomedicine, e-commerce, and organizational modeling.

DOWNLOAD NOW

USE WEBPROTÉGÉ

WebProtégé: https://webprotege.stanford.edu/

Protégé ontology editor

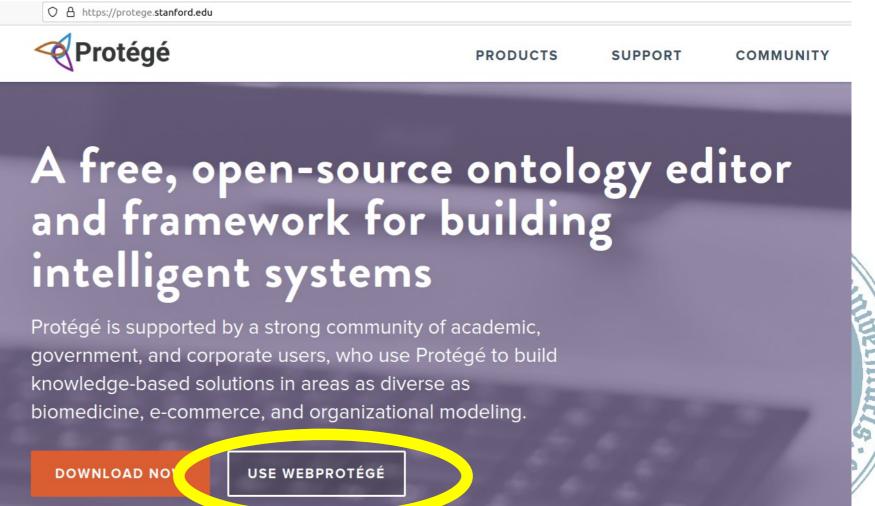
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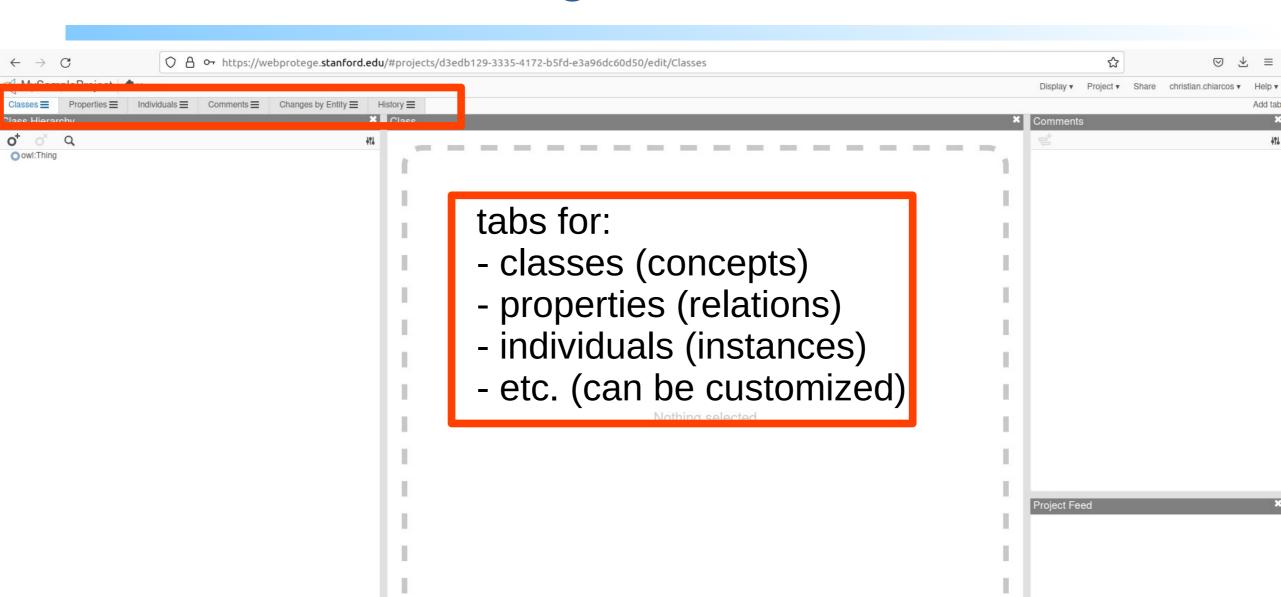
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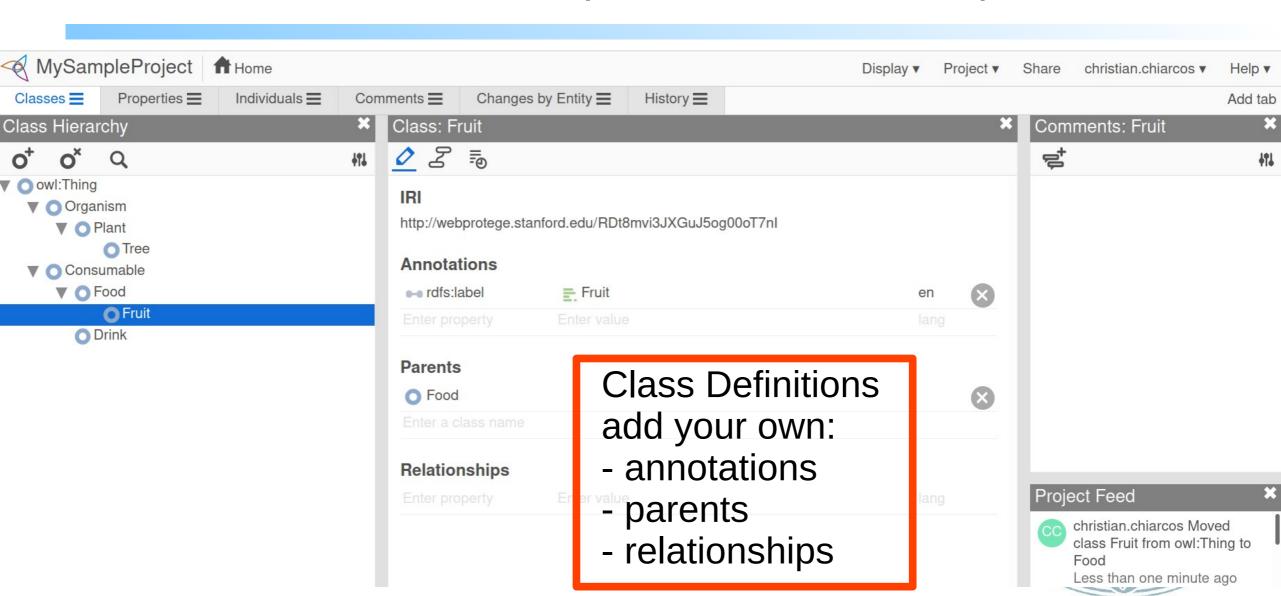
- visualizations
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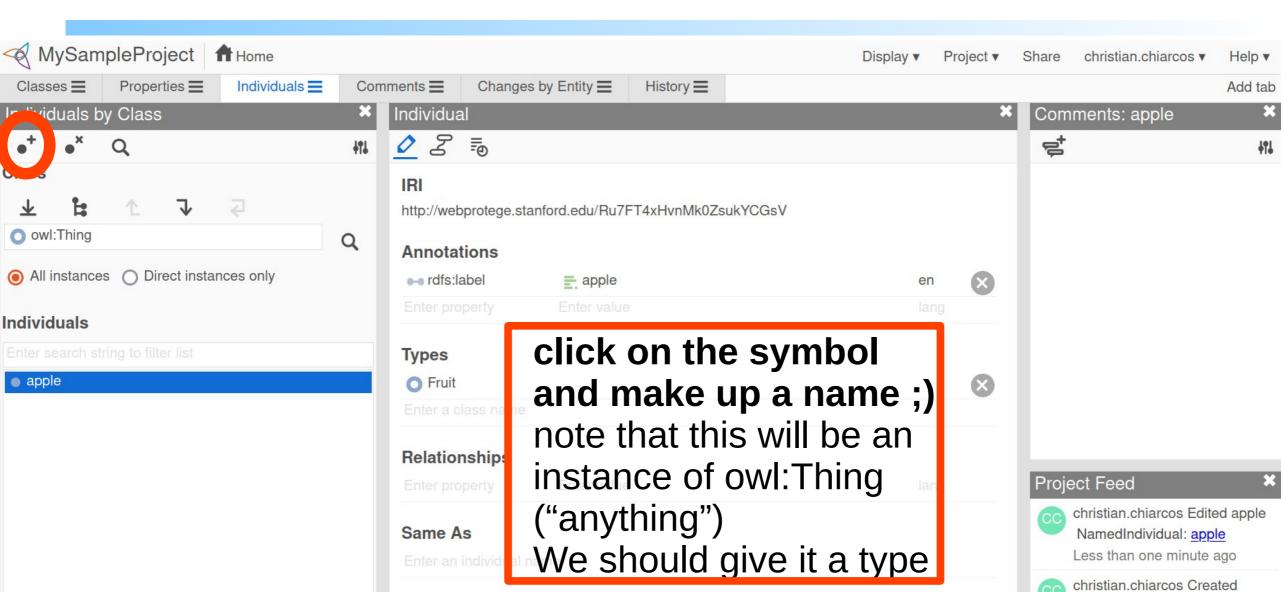
WebProtégé: Tabs / Views



Class View (first/default tab)



Individuals View: Create an individual

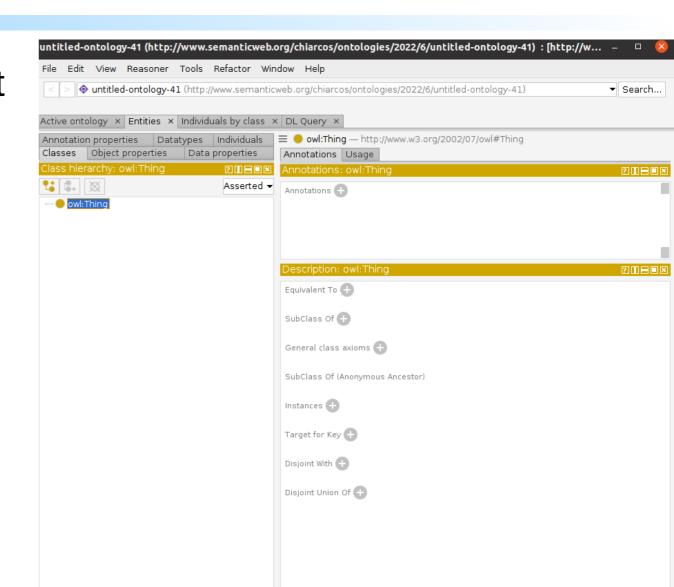


WebProtégé and Desktop Edition

WebProtégé gives you a head start

Desktop edition

- similar structure and look
- can read and write exactly the same data as WebProtégé
- supports many more extensions (you can actually write your own)
- interface a bit more crowded
- you can work offline;)



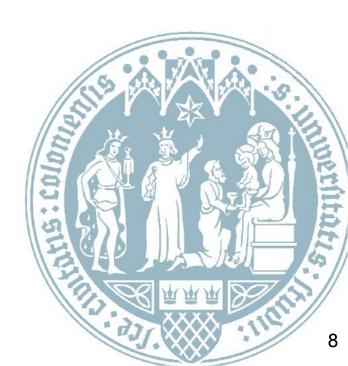
Properties, Statements, Axioms, Inference

Protégé can be used to

- create/manage taxonomies of concepts
- create instances

But there's more to it:

- browse/query/explore knowledge graphs
- create properties (relations between/features of concepts)
- create axioms
 (formal definitions of concepts and properties)
- perform reasoning (drawing inferences from concept definitions)



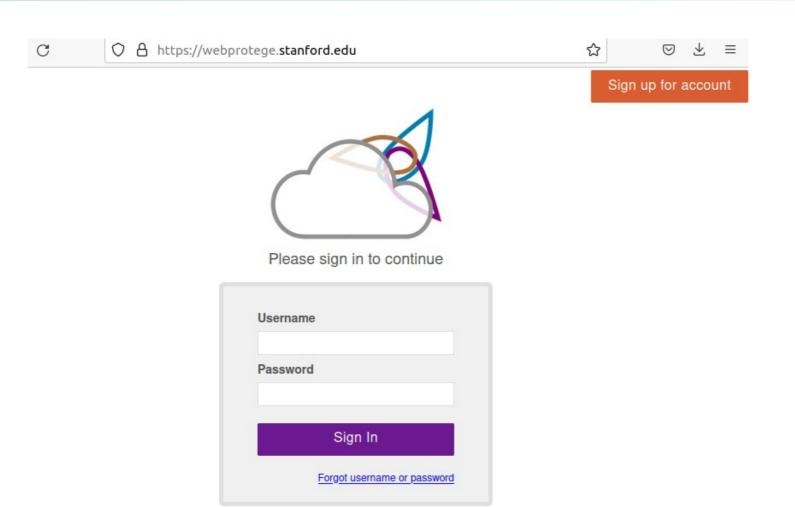
For your convenience

Complementary slides with a mini-walk through for

creating an ontology with WebProtégé

In the tutorial, we will have a more thorough walk-through through Desktop Protégé;)

WebProtégé: https://webprotege.stanford.edu/

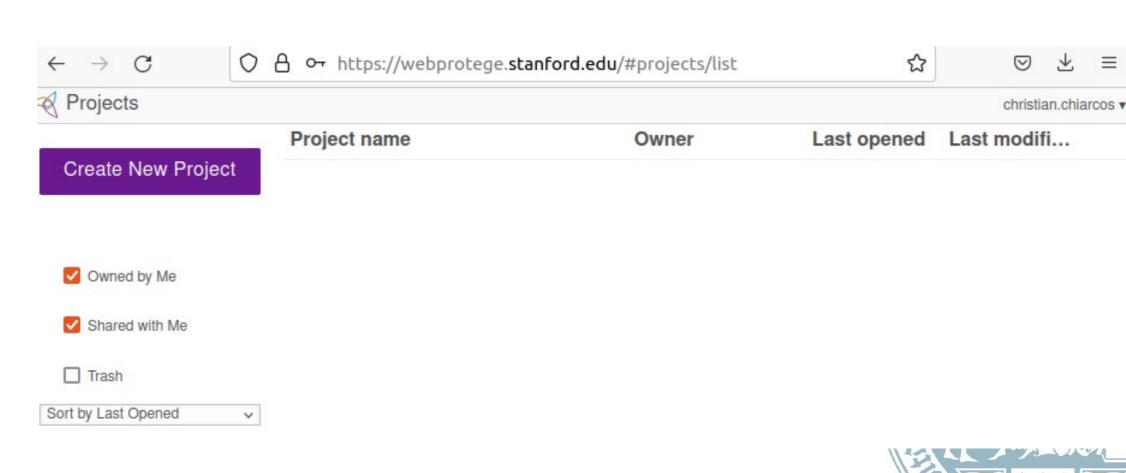


WebProtégé requires registration

Please do that *now*, you need your accounts in a few minutes

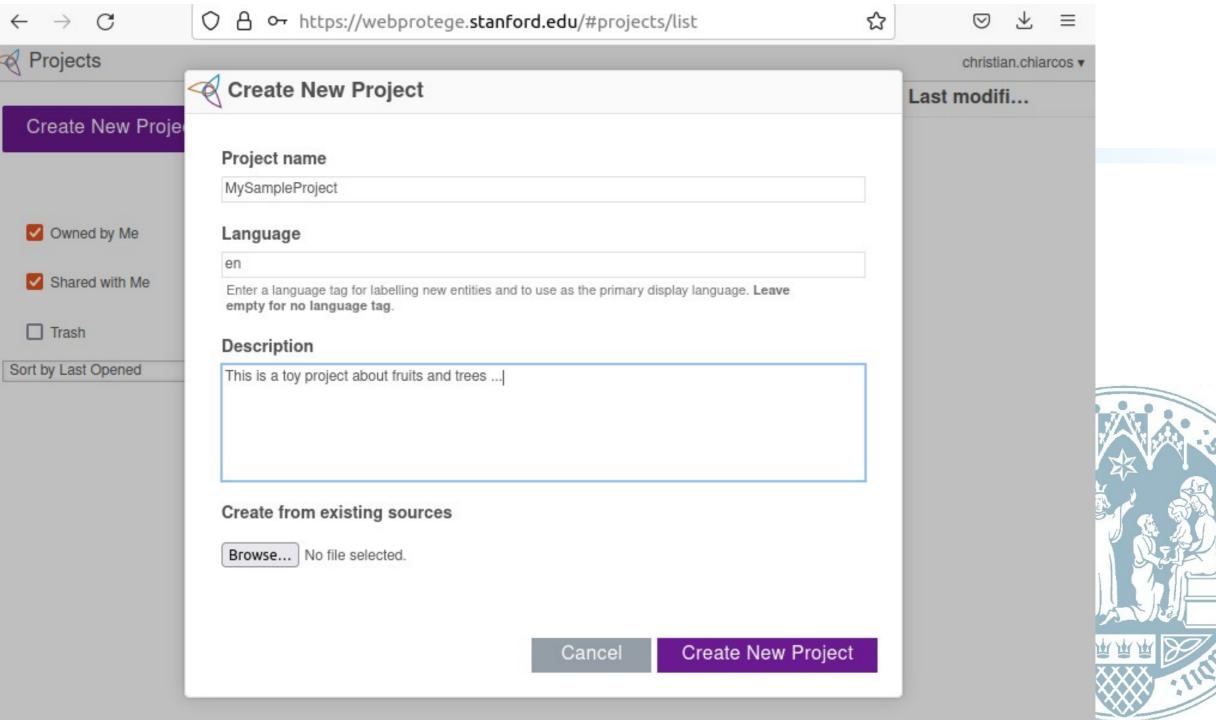
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WebProtégé: https://webprotege.stanford.edu/

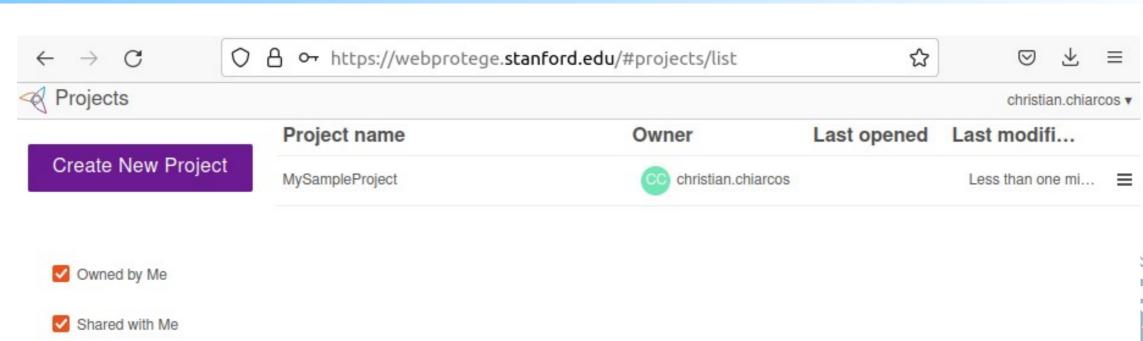


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So, create new project



WebProtégé: https://webprotege.stanford.edu/

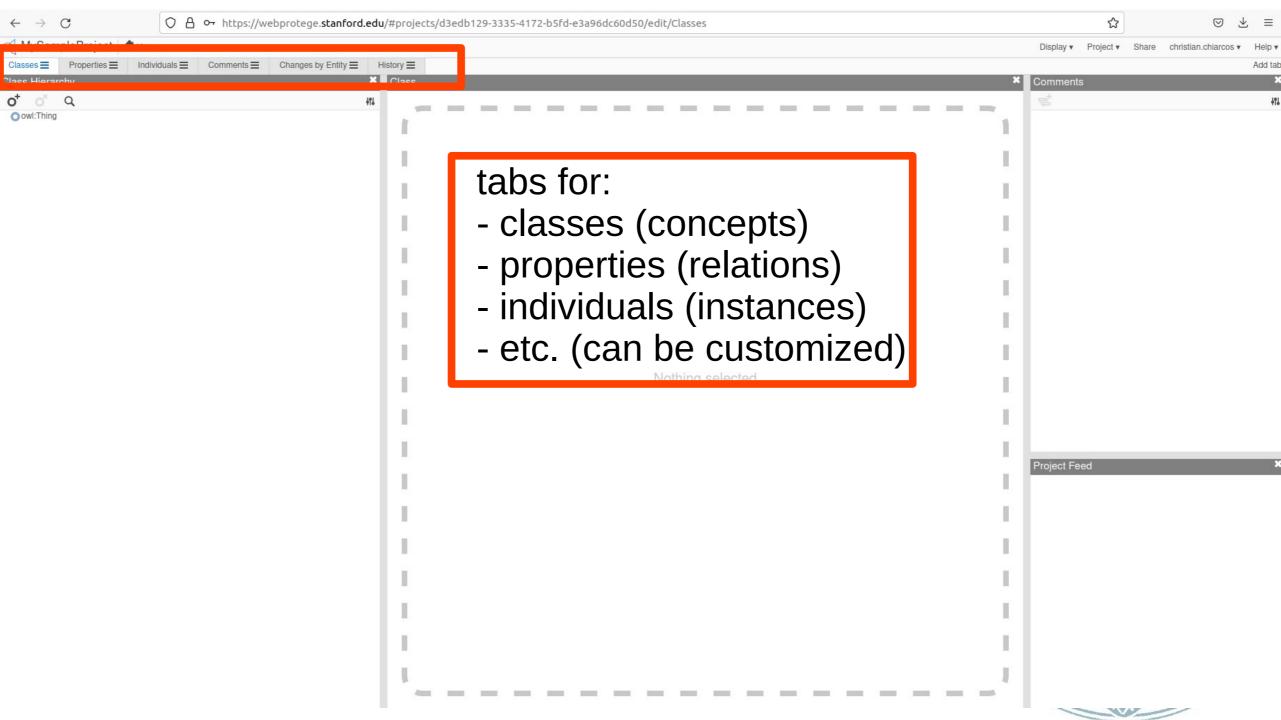


Now, let's open "MySampleProject"

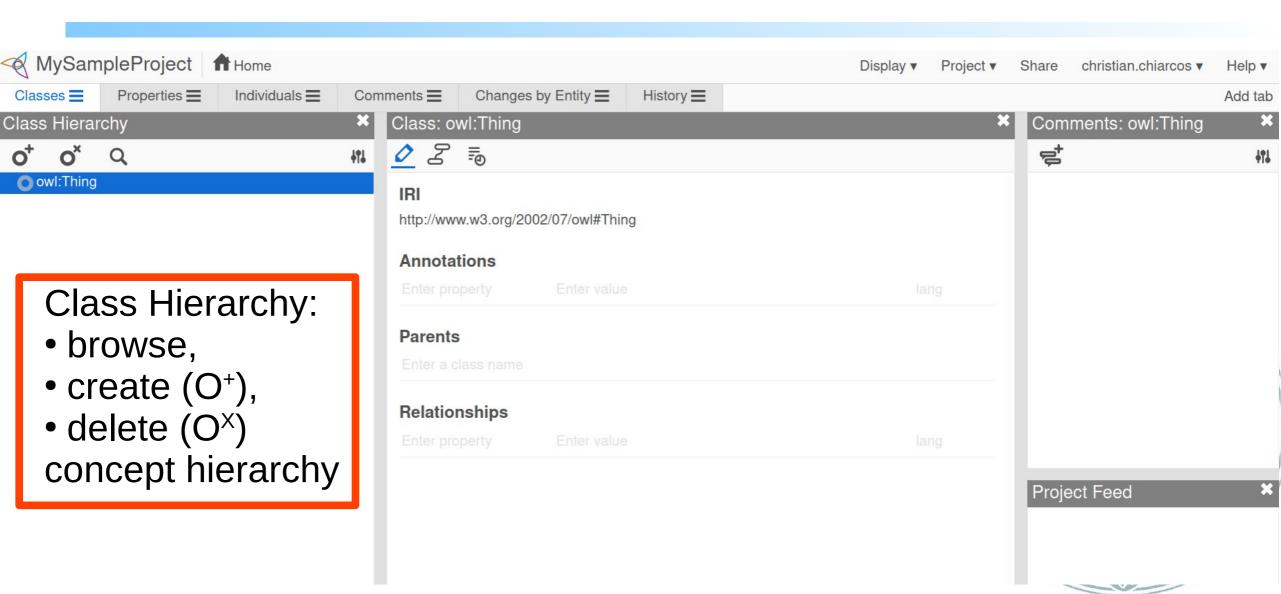
V

Trash

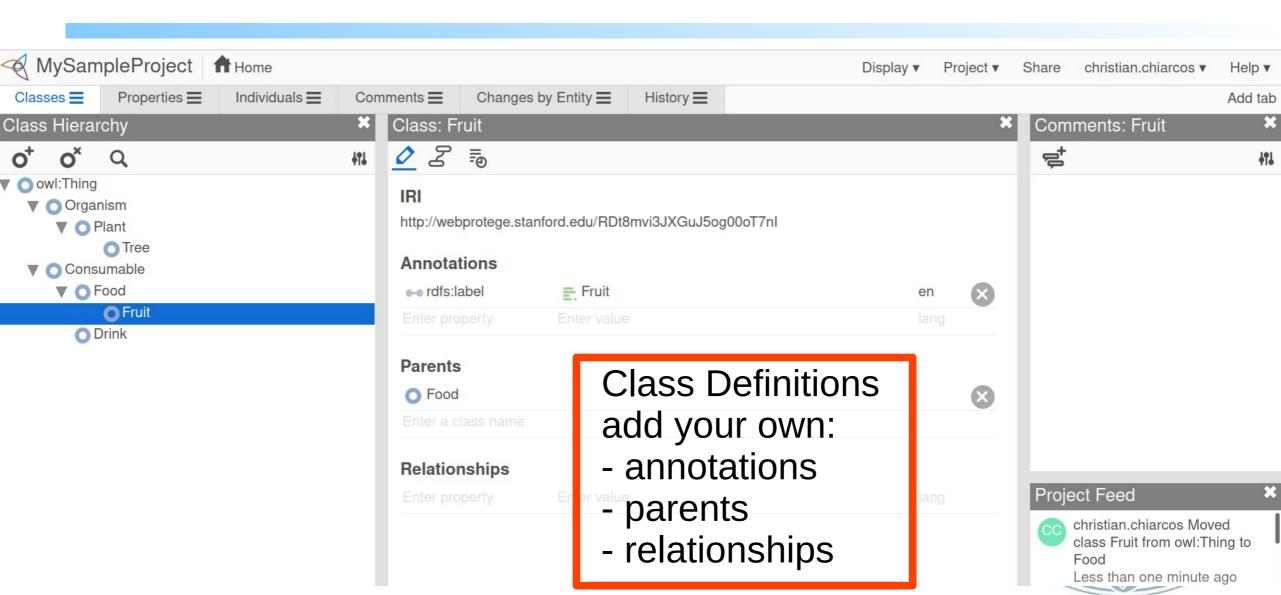
Sort by Last Opened



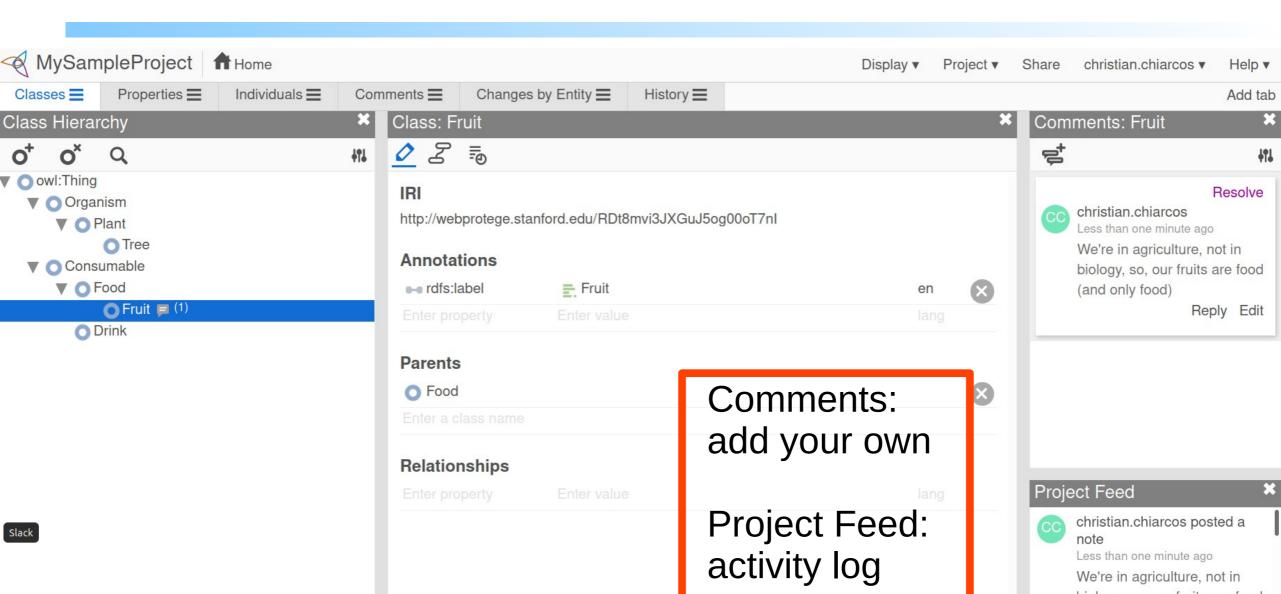
Class view (first/default tab)



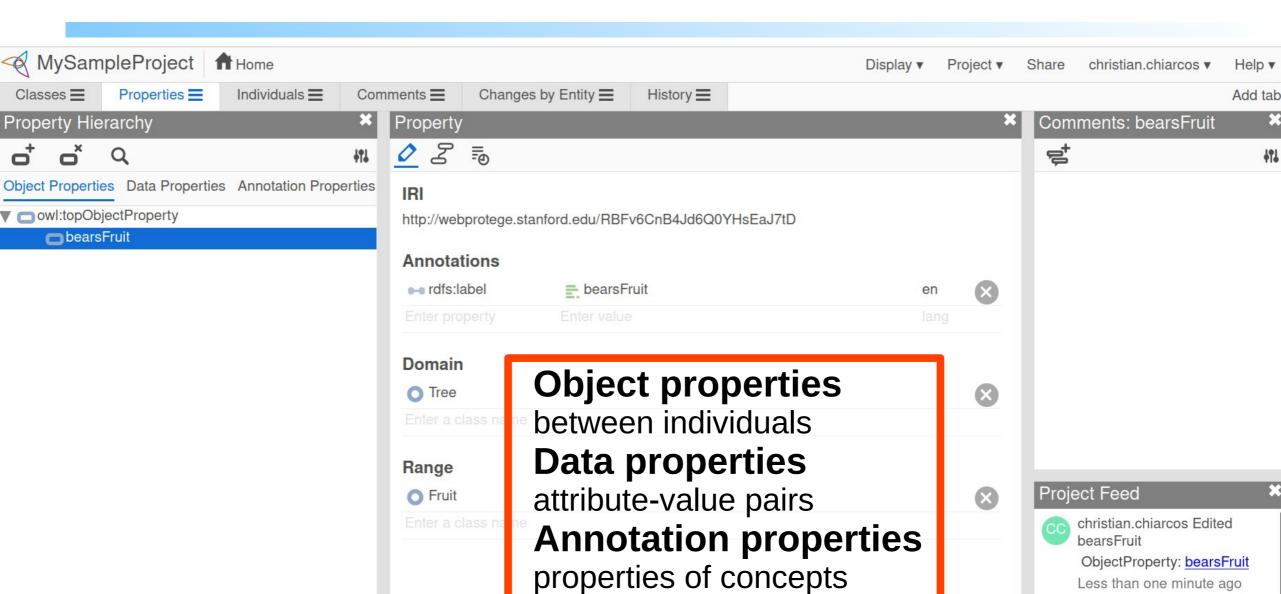
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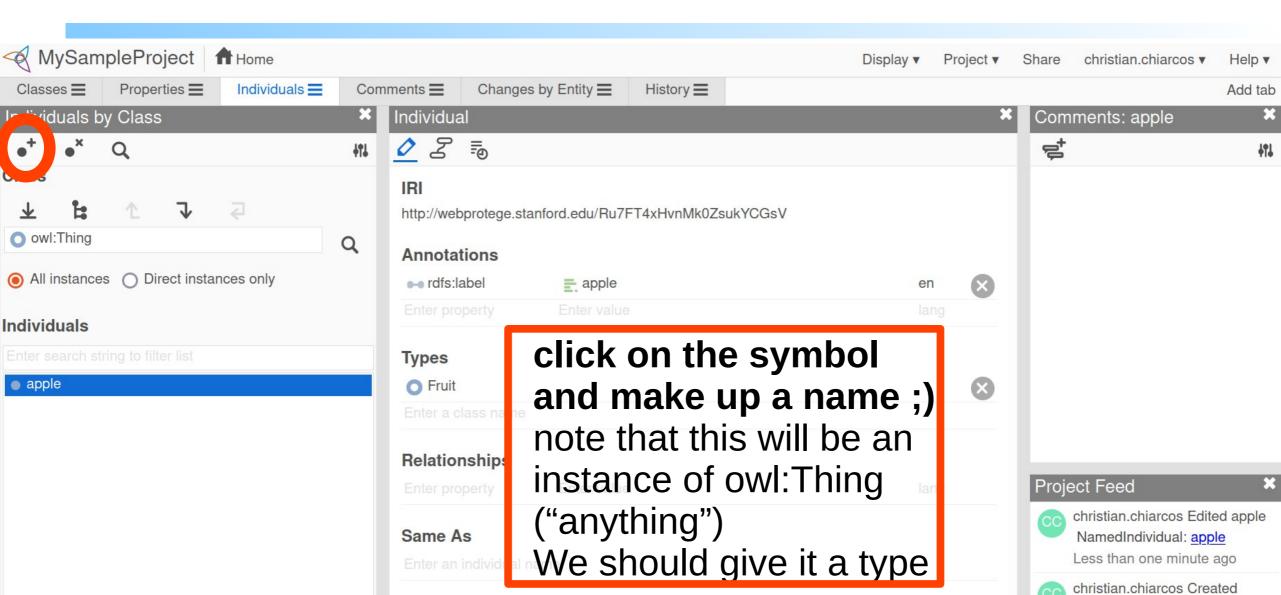
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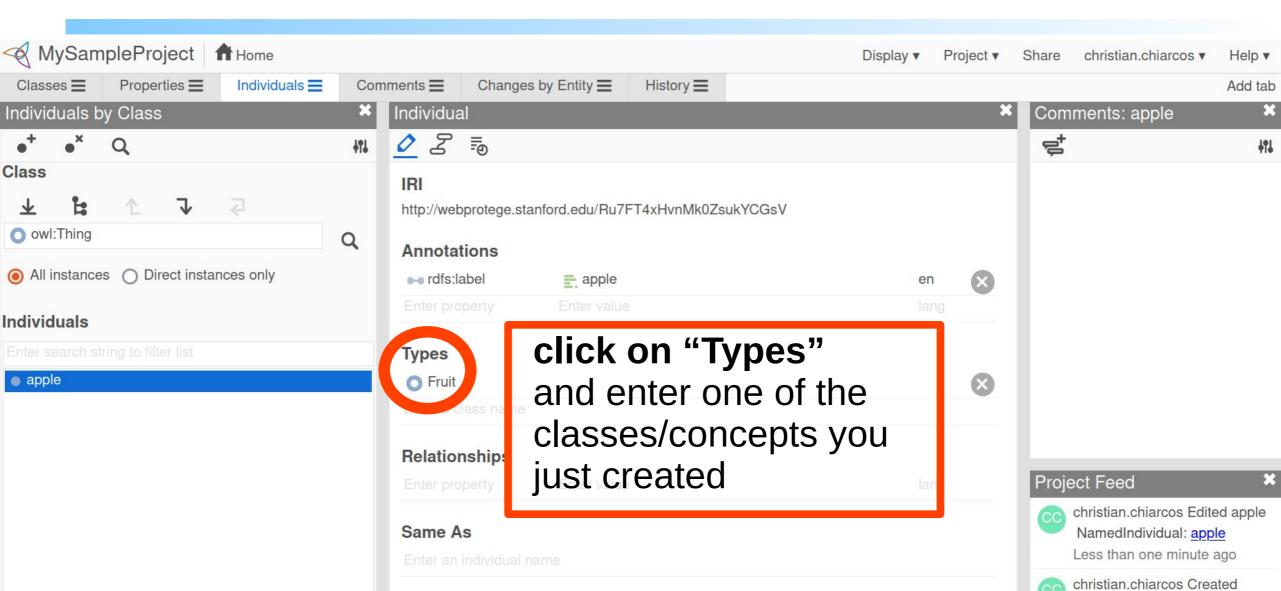
Properties View (analogous structure)



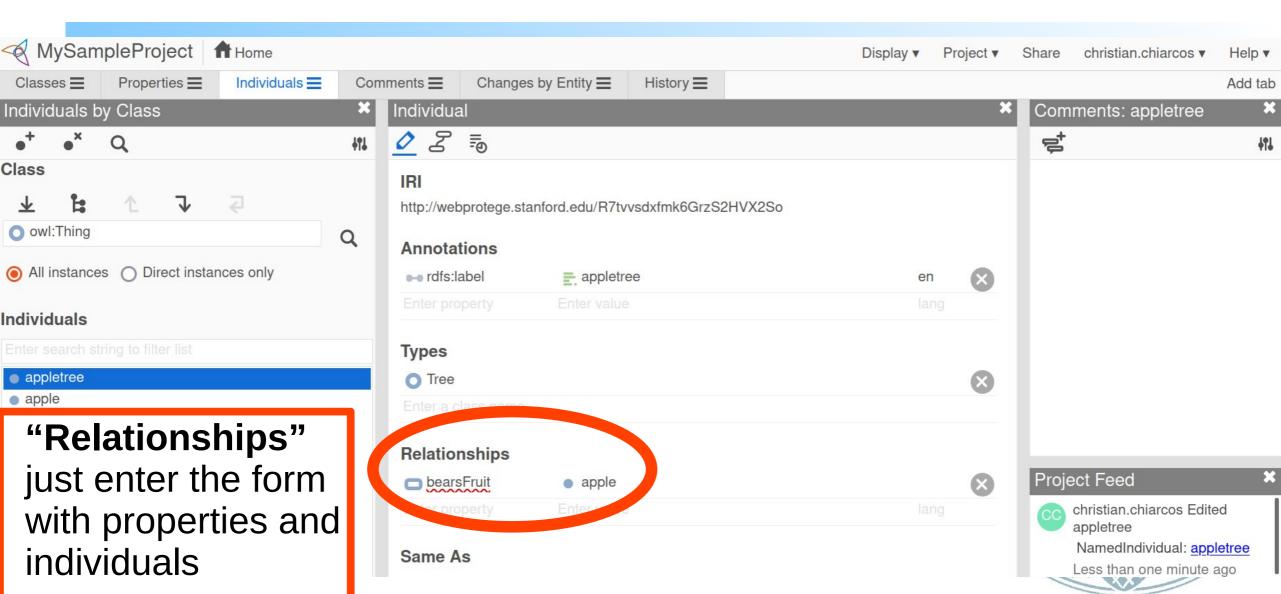
Individuals Tab: Create an individual



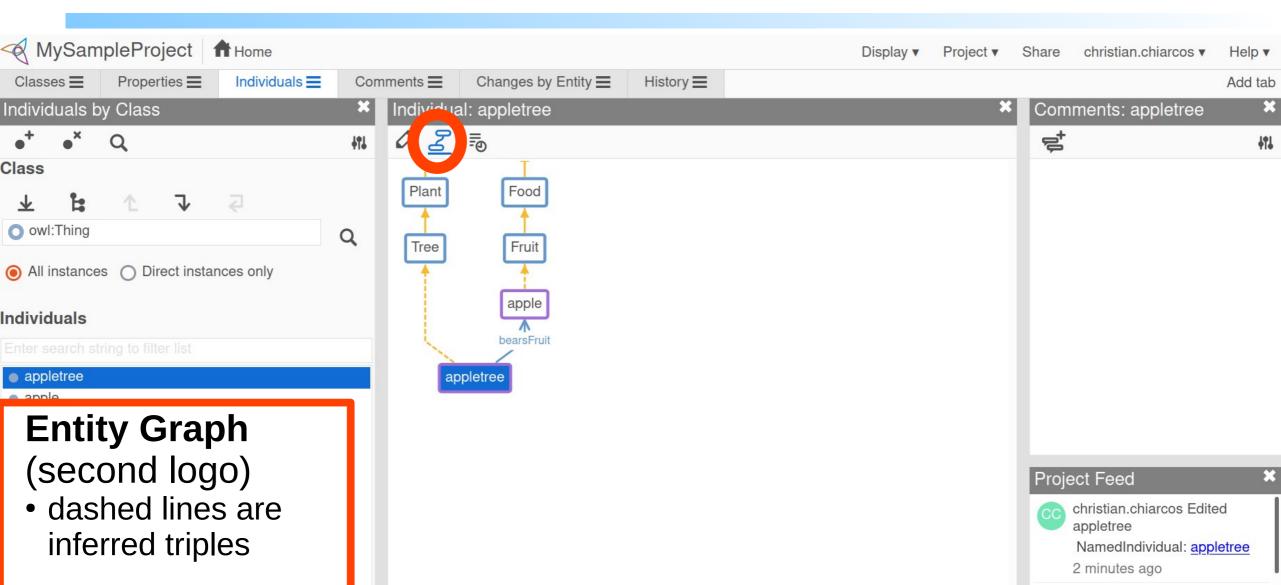
Individuals Tab: Give it a type



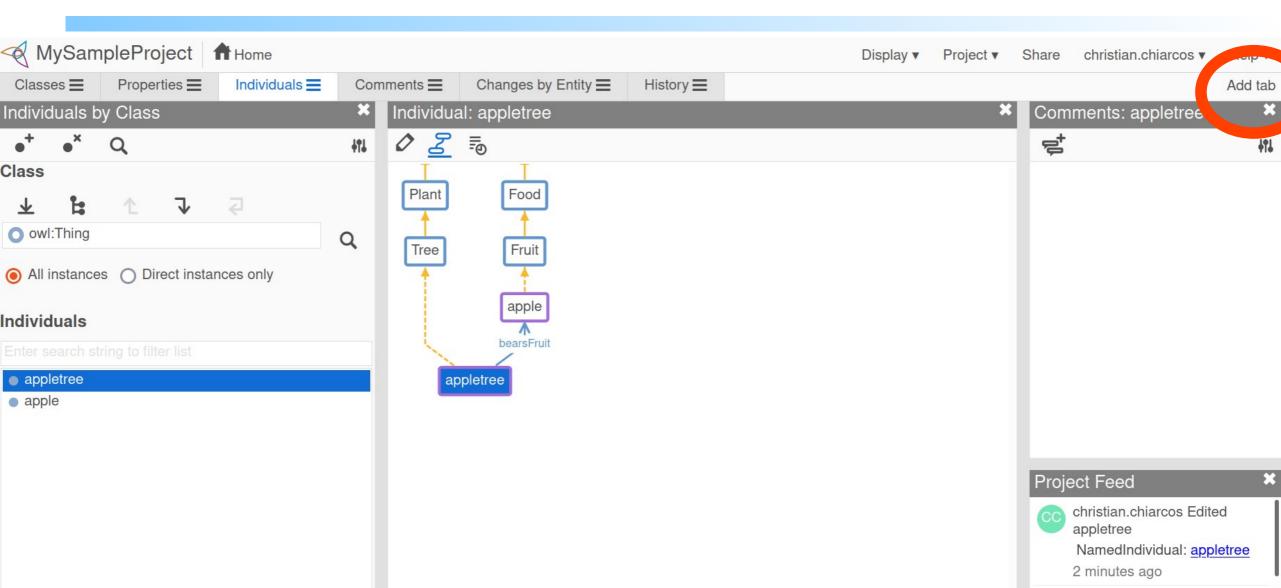
Individuals Tab: Create statements



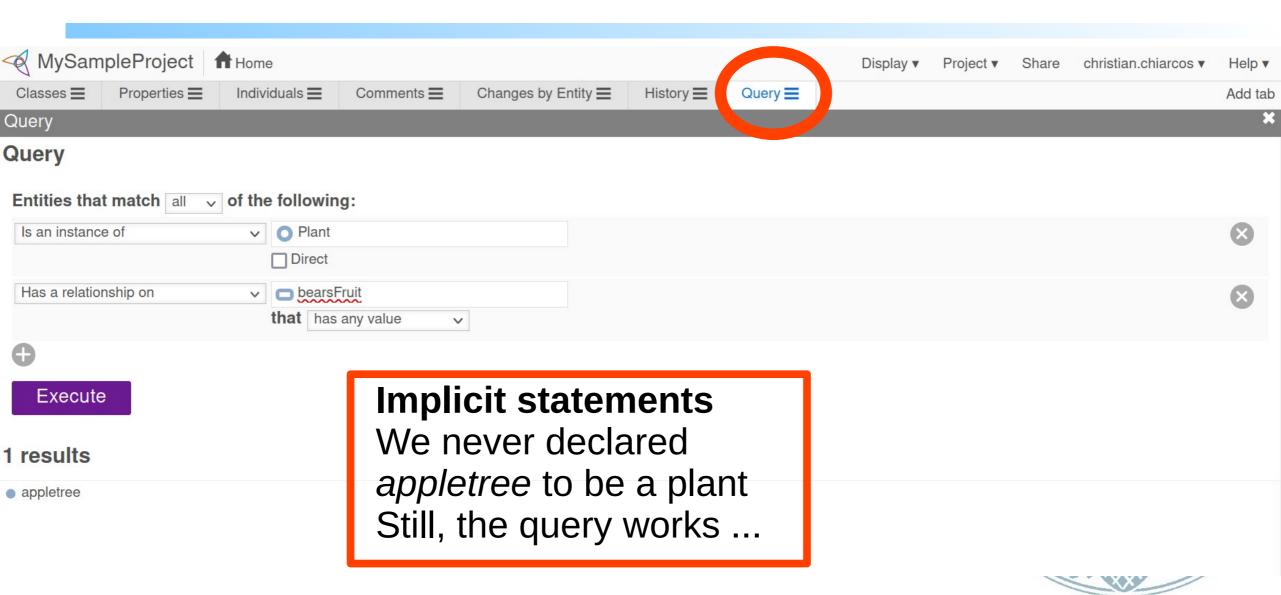
Individuals Tab: View your data



Querying: Add tab ...

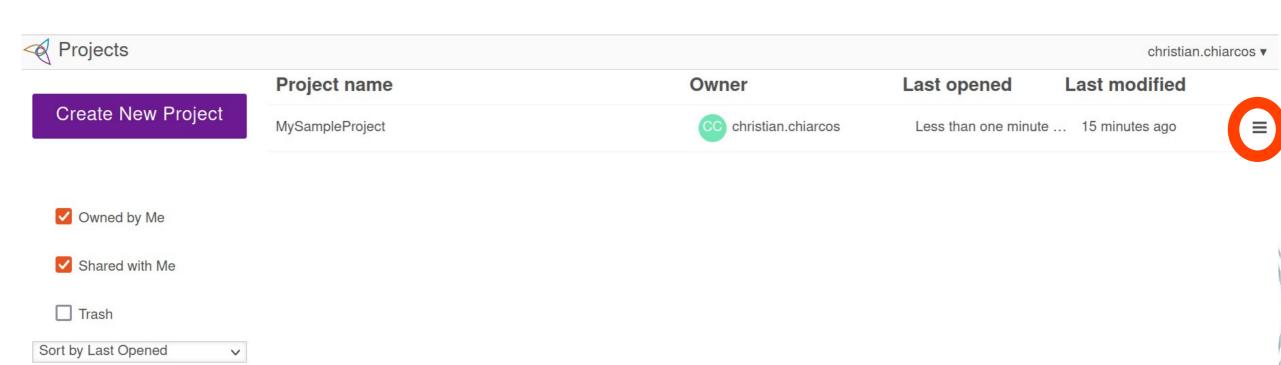


Querying: Query Builder



Back to "Home": Saving it

click on "download"



Beyond toy ontologies

When creating a new project, you can also load external ontologies from

local files

