

NVOS-71: Enhance Treeview Search Results

User Story NVOS-71: Enhance Treeview Search Results

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Project: Spring 2019 EnvoScholar v2.0

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NVOS-71 - Enhance Treeview Search Results DONE

Description

As a user, I would like a dynamic search which shows me to search through concepts and see their labels first with their identification numbers below the labels. Also, a scroll bar to view more than 15 terms at a time.

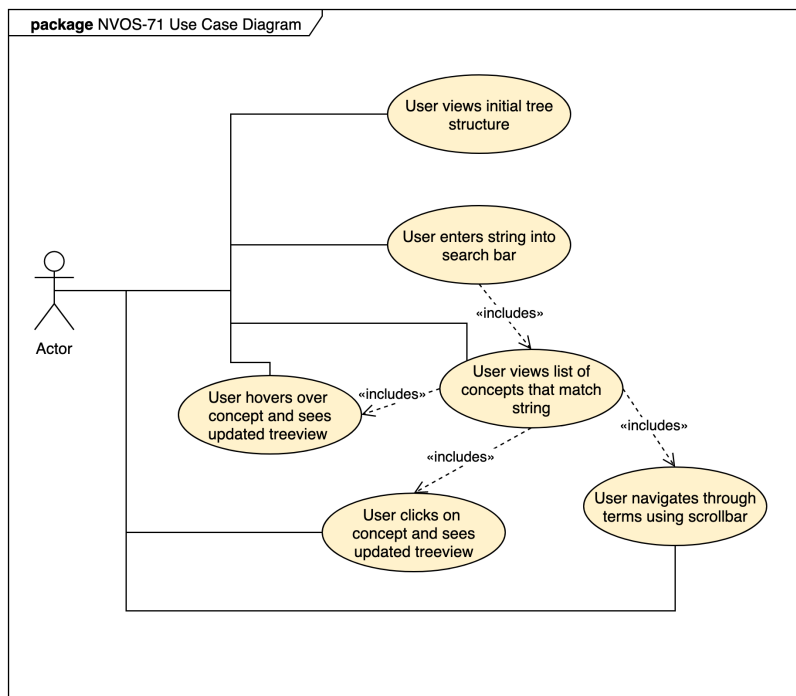
Acceptance Criteria

- The user should be able to enter words into a search bar and be shown a list of possible corresponding concepts and their IDs in the ENVO ontology.

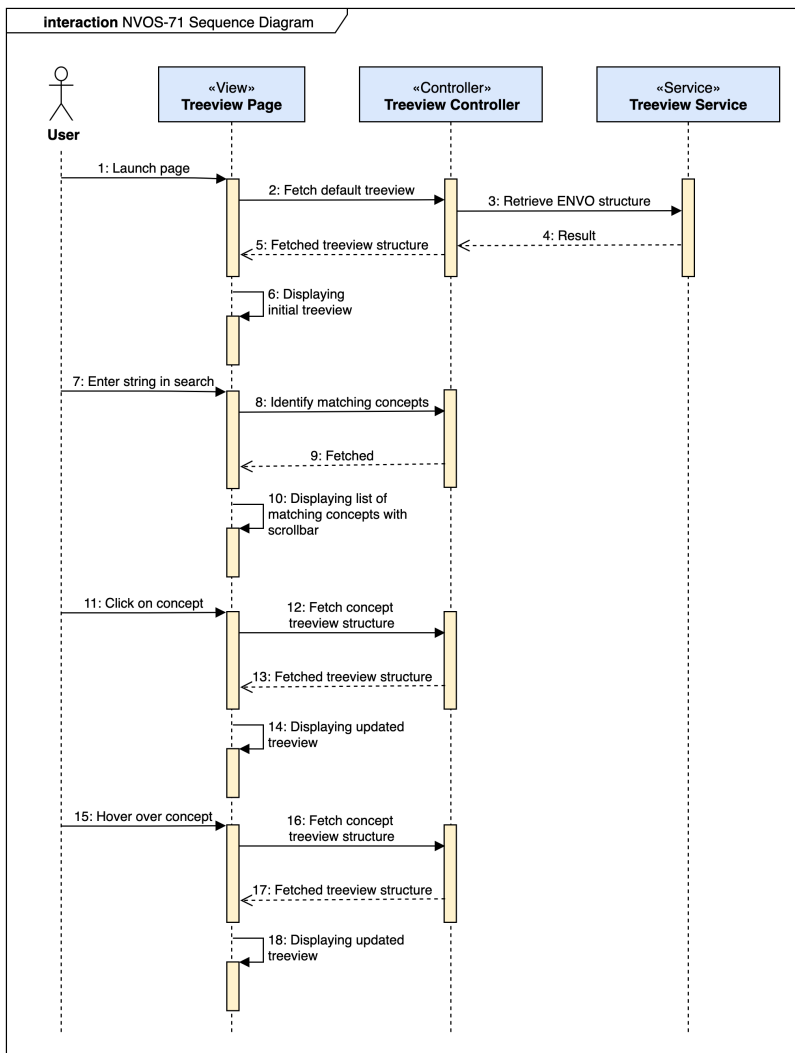
Use Case

- Name: NVOS-71
- Actor: User
- Preconditions: Application must be on accessible from a web browser.
- Description <Flow of events>:
 - User should be able to enter a word into the search bar.
 - User should be able to see a list of possible related terms with their IDs under in a less significant font.
 - User should be able to hover over each possible selected term and dynamically the corresponding ontology tree.

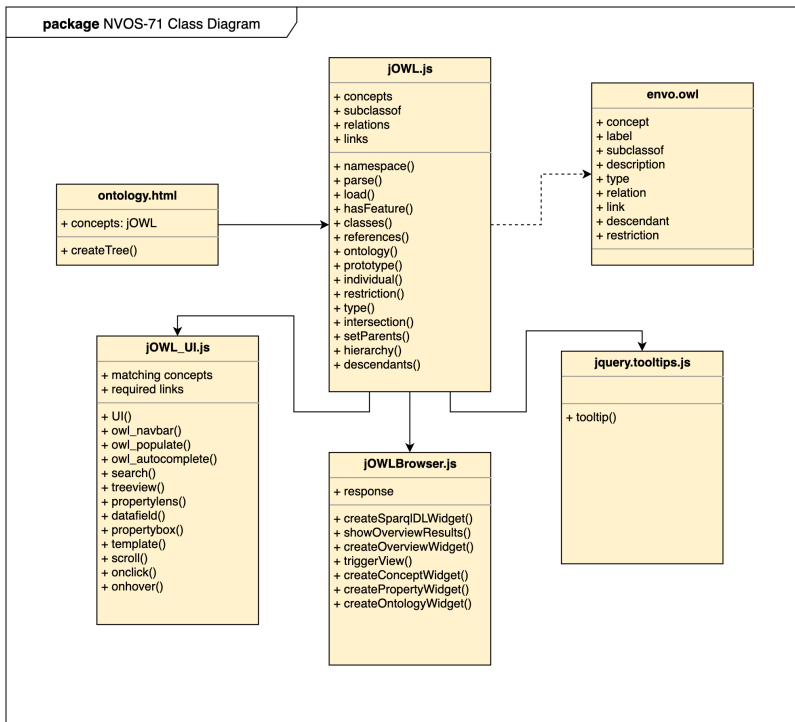
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- Test case ID: NVOS-71-T01
- Description/Summary of Test:
 - User has entered a string into the search bar.
 - User has seen a list of concepts in the ENVO ontology that contain the entered string.
 - User can see the identification numbers under the bolded concepts.
 - User can hovered over or clicked a concept and saw the concept reflected in the treeview and node graph.
- Pre-condition: User is on the Ontology page.
- Expected Results: User should be able to easily and intuitively search for concepts in the ontology.
- Actual Result: The expected results are equal to the actual result.
- Status (Fail/Pass): Pass.

Integration Test

- Test case ID: NVOS-71-T02
- Description/Summary of Test: All the possible related concepts are shown in the search results and can be accessed using a scrollbar.
- Pre-condition: The user is on the Ontology page.
- Expected Results: The corresponding concepts are shown when the user enters a string.
- Actual Result: The search bar follows the expected behavior.
- Status (Fail/Pass): Pass.

Visual User Guide

Search Results with scroll for the concept "water" as an example.

Environment Ontology

- ENVO is an ontology which represents knowledge about environments, environmental processes, ecosystems, habitats, and related entities. It interoperates with other ontologies in the OBO Foundry and Library.
- New terms or revisions can be requested at <https://github.com/EnvironmentOntology/envo/issues/>.
- Original file available at <http://www.obofoundry.org/ontology/envo.html>.

Treeview

entity

continuant

independent continuant

material entity

flat object part

astronomical body part

geographic feature

layer

surface layer

liquid surface layer

liquid air-water interface layer

lake surface

turbulent aquatic surface layer

estuarine coastal surface layer

estuarine coastal upper water column

estuarine open water surface layer

estuarine open water upper water column

liquid layer

liquid surface layer

liquid air-water interface layer

lake surface

turbulent aquatic surface layer

estuarine coastal surface layer

estuarine coastal upper water column

estuarine open water surface layer

estuarine open water upper water column

environmental feature

Search

water vapour saturated air

id: ENVO_01000829

owl:Class

hair ice

id: ENVO_01000847

owl:Class

fairground

id: ENVO_01000985

owl:Class

agricultural fairground

id: ENVO_01000989

owl:Class

bovine dairy liquid manure

id: ENVO_01001116

owl:Class

liquid air-water interface layer

id: ENVO_01001308

owl:Class

air pollution

id: ENVO_09200037

owl:Class

temperature of air

id: ENVO_09200001

owl:Class

pressure of air

id: ENVO_09200011

owl:Class

EnvoScholar v2.0

Ontology Account

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Treeview

entity

continuant

independent continuant

material entity

flat object part

astronomical body part

geographic feature

water body

lentic water body

lake

freshwater lake

thermokarst lake

fresh water body

freshwater lake

thermokarst lake

environmental feature

astronomical body part

geographic feature

water body

lentic water body

lake

freshwater lake

thermokarst lake

fresh water body

freshwater lake

thermokarst lake

Search

water

water

id: CHEBI_15377

owl:Class

freshwater lake

id: ENVO_00000021

owl:Class

watercourse

id: ENVO_00000029

owl:Class

waterfall

id: ENVO_00000040

owl:Class

freshwater marsh

id: ENVO_00000053

owl:Class

underground water body

id: ENVO_00000061

owl:Class

water body

id: ENVO_00000063

owl:Class

headwater

id: ENVO_00000153

owl:Class