NVOS-72: Node Graph Search

User Story NVOS-72: Node Graph Search

Name: Carlos A Bravo Marin
Team Member(s): Sheila Alemany Carlos A Bravo Marin
Project: Spring 2019 EnvoScholar v2.0
Product Owner(s): Mark Finlayson Deya Banisakher Maria E. Presa Reyes
Mentor(s): Masoud Sadjadi
Instructor: Masoud Sadjadi

~~NVOS-72~~ - Node Graph Search DONE

Description

As a user, I would like to be able to search concepts in the ontology so that I can see specific concepts in the node graph visualization and further explore concepts in the ontology.

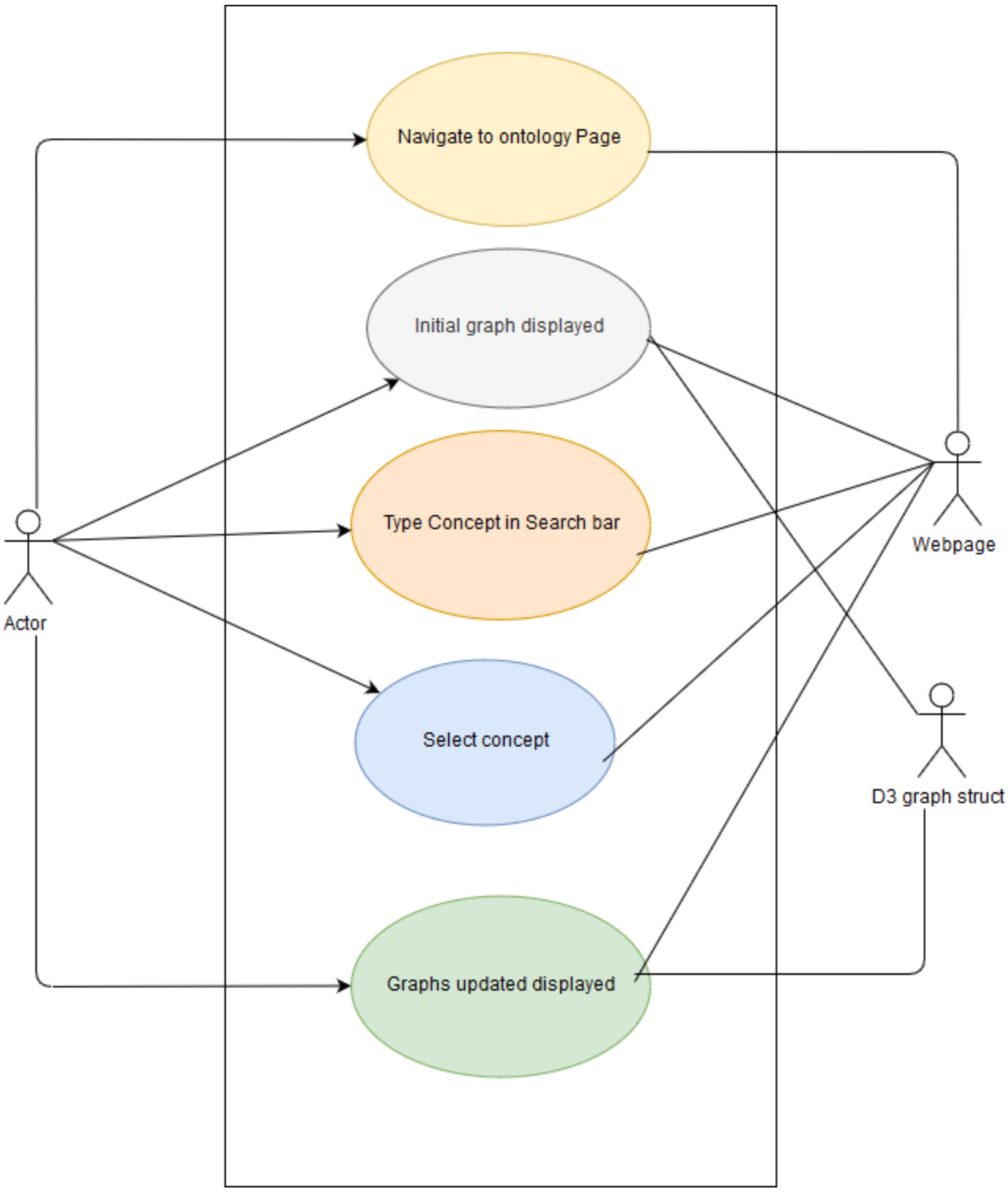
Acceptance Criteria

- Search tool is displayed
- User is able to type concept
- User is able to click search
- Concept is searched and added to visualization
- Newly added concept can be expanded by clicking on it.

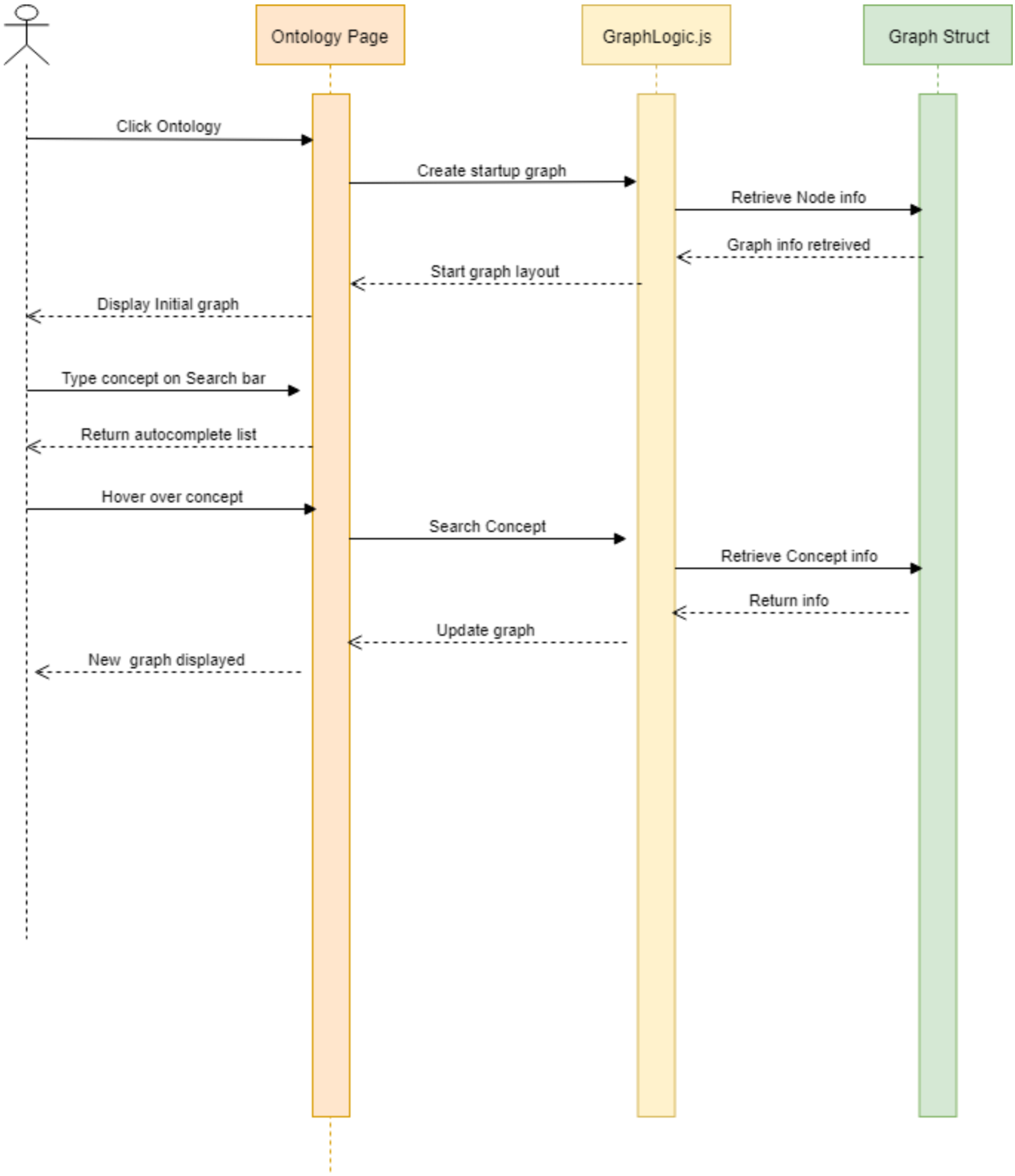
Use Case

- Name: NVOS-72
- Actor: User
- Preconditions: User is able to access Ontology page by clicking Ontology in the navigation bar.
- Description <Flow of events>:
    - User clicks Ontology from navigation bar.
    - Page is loaded and displays both tree and graph visualization of the Ontology.
    - User inputs a word and click on it.
    - Graph is updated displaying searched word and related concepts.

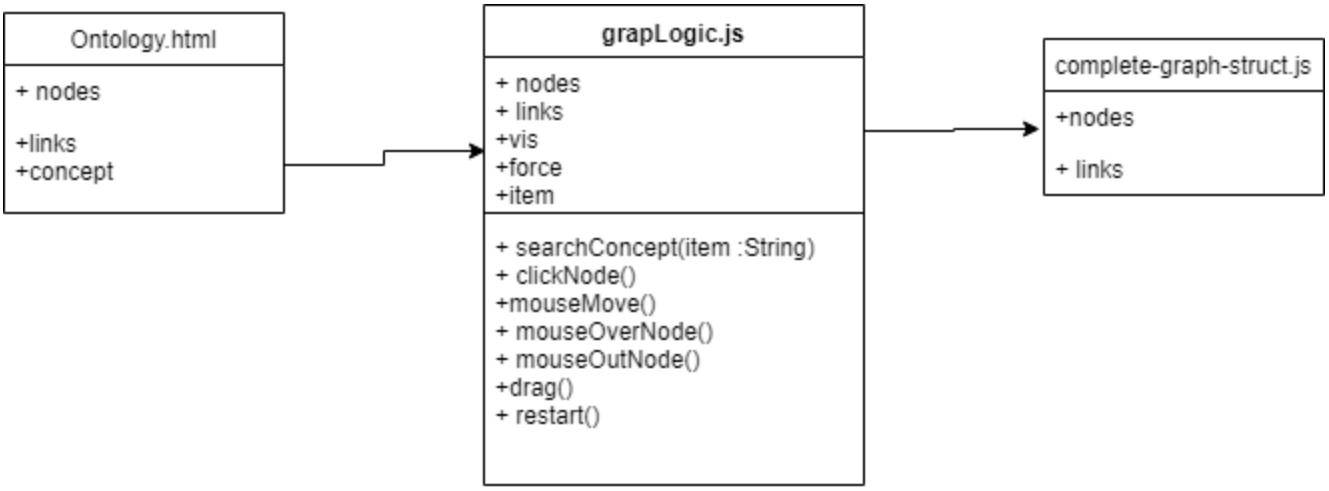
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

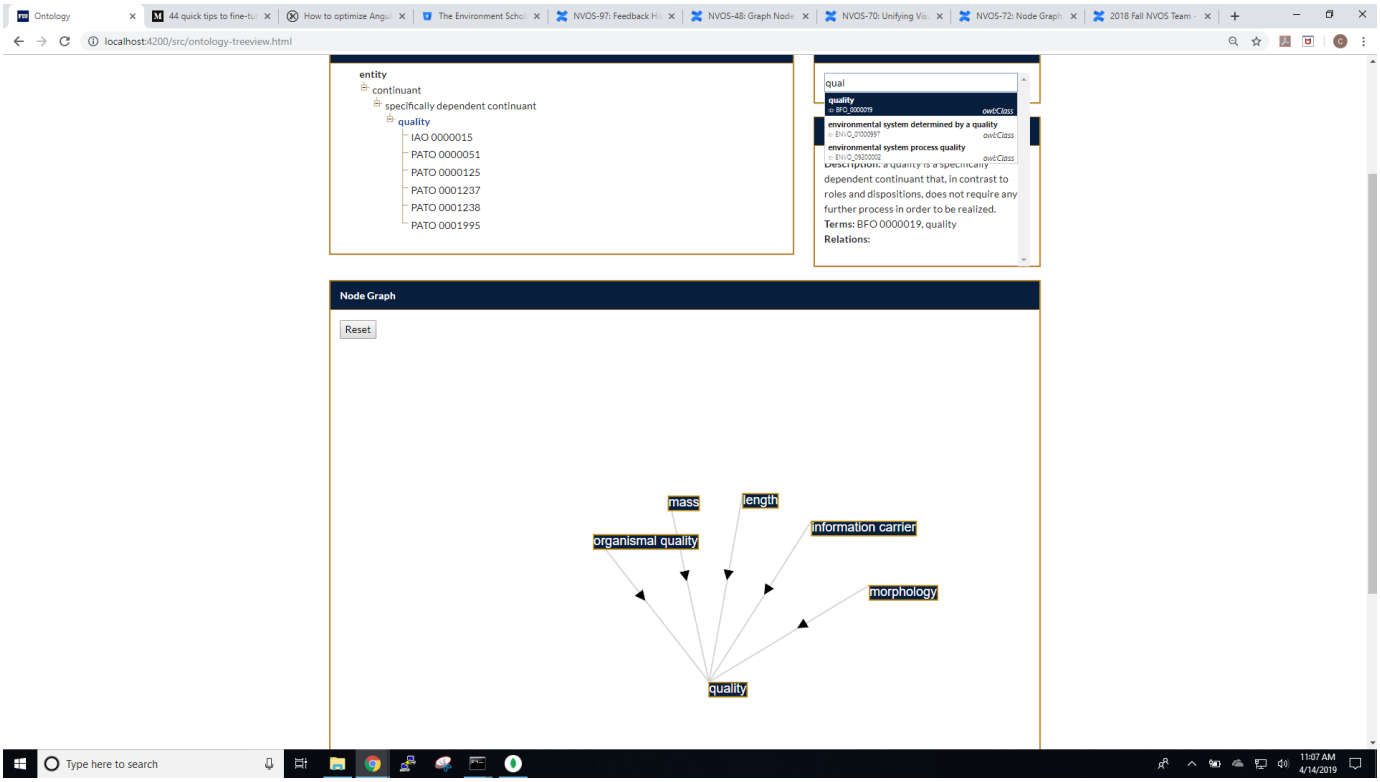
- Test case ID: NVOS-72-T01
- Description/Summary of Test: To validate entered concepts is Searched and updated graph with searched concepts is displayed.
    - User enters concept on search bar
    - User hover over a concepts
    - Concept word is passed to searchConcept() function in GraphLogic.js
    - Concept info is retrieved from graph structure.
    - New graph is returned.
- Pre-condition: User accessed ontology page.
  User enters a concept that exists in the ontology
- Expected Results: New graph containing searched concepts is displayed.
- Actual Result: New graph containing searched concept is displayed.
- Status (Fail/Pass): Pass

Integration Test

- Test case ID: NVOS-72-T02
- Description/Summary of Test: Entered concepts is searched once you hover on it from autocomplete list and new graph is displayed containing the searched concept along its related concepts.
- Pre-condition: Initial graph is properly displaying.
- Expected Results: New graph is displayed containing searched concept.
- Actual Result: New graph was displayed.
- Status (Fail/Pass): Pass.

Visual User Guide

Hover over a concept and new graph is displayed.


Ontology
44 quick tips to fine-tu
How to optimize Angu
The Environment Scho
NVOS-97: Feedback Hi
NVOS-48: Graph Node
NVOS-70: Unifying Vis
NVOS-72: Node Graph
2018 Fall NVOS Team
localhost:4200/src/ontology-treeview.html
entity
continuant
specifically dependent continuant
quality
IAO 0000015
PATO 0000051
PATO 0000125
PATO 0001237
PATO 0001238
PATO 0001995
qual
quality
BFO_0000019
owl:Class
environmental system determined by a quality
ENVO_01000397
owl:Class
environmental system process quality
ENVO_09200002
owl:Class
dependent continuant that, in contrast to roles and dispositions, does not require any further process in order to be realized.
Terms: BFO 0000019, quality
Relations:
Node Graph
Reset
mass
length
information carrier
organismal quality
morphology
quality
Type here to search
11:07 AM
4/14/2019