

Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Feature Document

User Story ID <NVOS-4 Display Results>

Name: Bryan Bastida

Team Member(s): Bryan Bastida
Andrew Castillo

Project: Envo Scholar

Product Owner(s): Mark Finlayson

Mentor(s): Masoud Sadjadi

Instructor: Masoud Sadjadi

USER STORY NAME: Display Results

- Description: As a user, I want to receive the results from a query input, so that they are able to view the articles related to my search query.

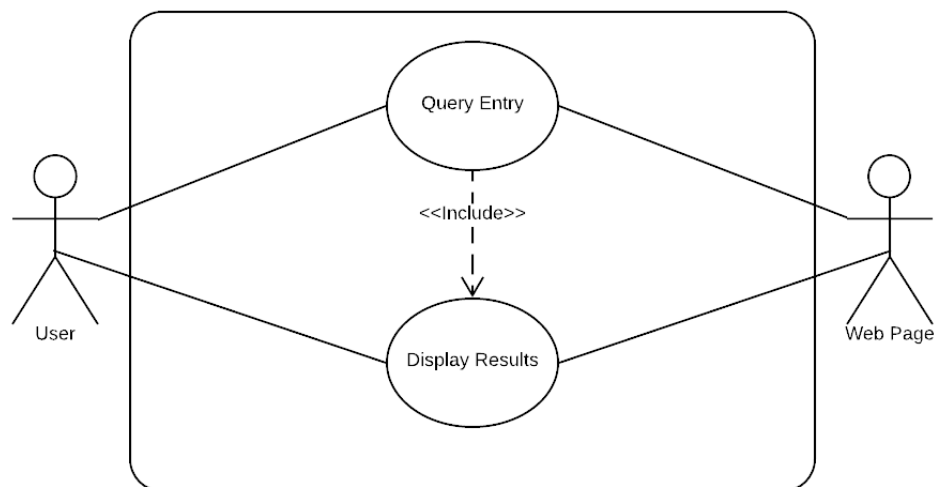
Acceptance Criteria

- User has written out search query and pressed the search button
- A new page is opened to display results
- Database has retrieved articles according to the search criteria and displayed them on the screen

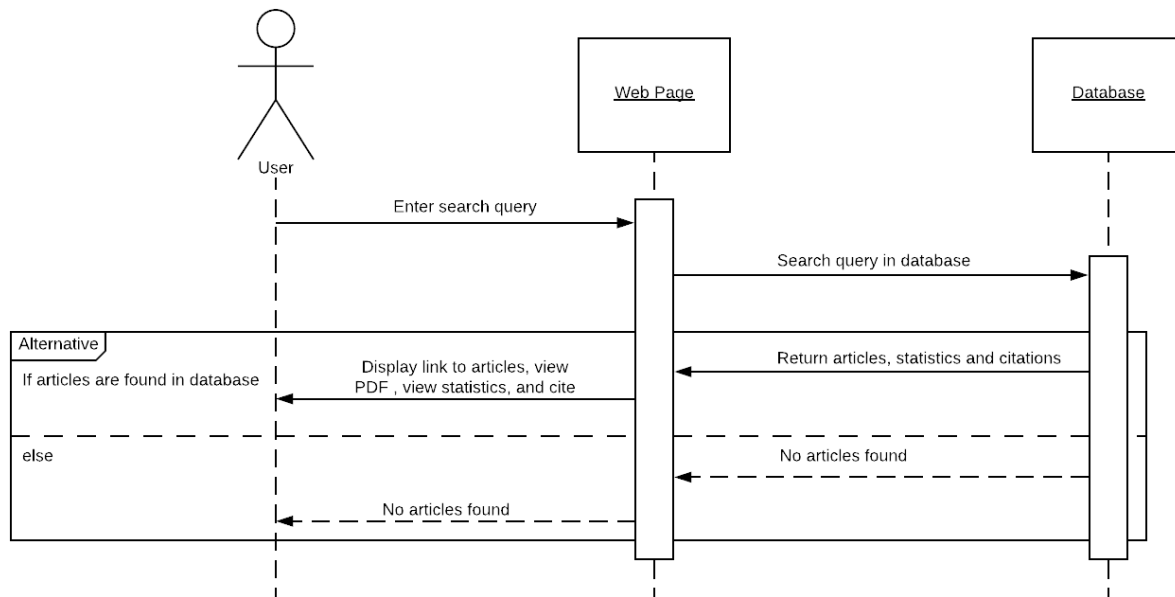
Use Case

- **Name:** Display Results
- **Actor:** User and Database
- **Preconditions:** User has written out search query and pressed the Search button
- **Postconditions:** Results are displayed to the screen
- **Description** <Flow of events>:
 - o User types a search query into search bar
 - o User clicks the Search button
 - o Database uses semantic search algorithm to obtain related articles
 - o Each article is displayed to the screen along with buttons for View PDF, View Statistics, and Cite

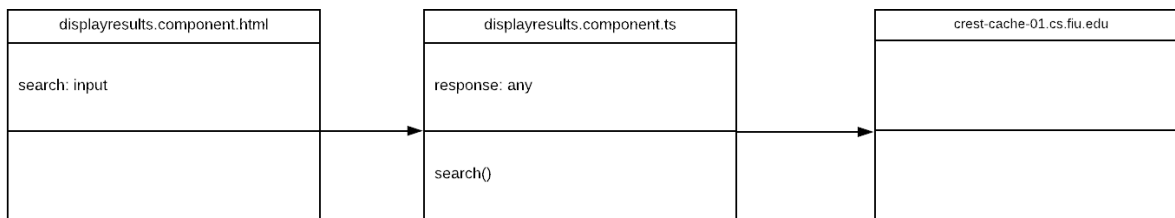
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- Test case ID: NVOS-3-Display-Results
- Description/Summary of Test: User has entered a search into the search box and the display page loads the related articles
- Pre-condition: User is either on the home page or in the display results page. User has entered a search query. User has submitted the search.
- Expected Results: Articles related to the search will appear on the screen.
- Actual Result: Articles related to the search will appear on the screen.
- Status (Fail/Pass): Pass

Visual User Guide (work in progress)

Envo Scholar Ontology

 Sign in

The Best Search Engine for Environmental Peer Reviewed Articles

Search



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carbon dioxide

sand sized

fluoranthene

colombia

sediment

cypress swamp

Rich soil carbon and nitrogen but low atmospheric greenhouse gas fluxes from North Sulawesi mangrove swamps in Indonesia

Jing K. Wang - 2014-07-15

The soil to atmosphere fluxes of greenhouse gases N2O, CH4 and CO2 and their relationships with soil characteristics were investigated in three tropical oceanic mangrove swamps (Teremaal, Likupang and...

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Spatial variation of heavy metals in surface sediments of Hong Kong mangrove swamps

Y.S Wong - 2000-11-30

The degree of heavy metal contamination in the fine-grained (<63 µm) and sand-sized (2 mm–63 µm) fractions of surface sediments in 18 different mangrove swamps (144 random samples) in Hong Kong was ex...

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