Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Feature Document

User Story ID <NVOS-40 View PDF>

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Project: Envo Scholar

Product Owner(s): Mark Finlayson

Mentor(s): Masoud Sadjadi

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USER STORY NAME: VIEW PDF

Description: As a user, I want to click a button that links to the PDF result, so that I can view the PDF.

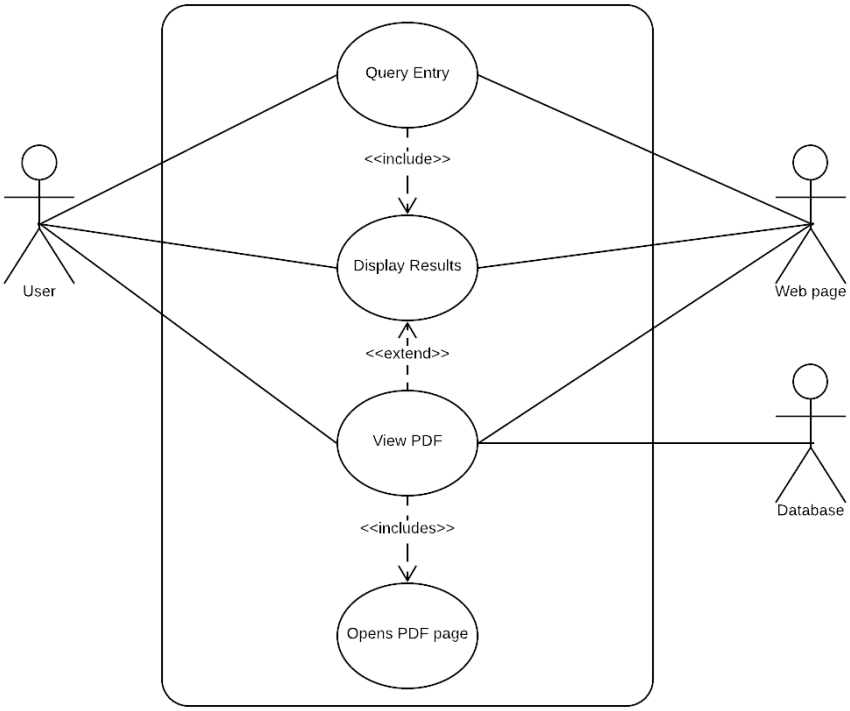
Acceptance Criteria

- User entered a search query
- Database successfully returned articles related to the search
- Article links are displayed on the screen
- User pressed button to view PDF
- PDF file opens on a new page

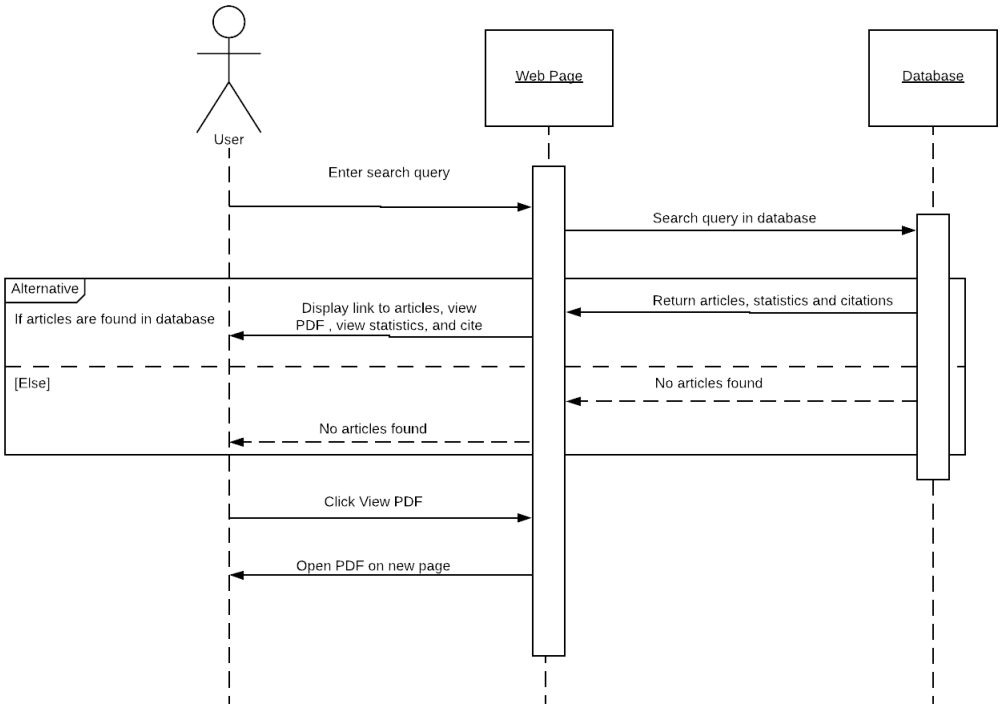
Use Case

- **Name**: View PDF
- **Actor**: User and web page
- **Preconditions**: Article links are displayed on web page as well is link for View PDF
- **Description** <Flow of events>:
    - User types a search query and hits the Search button
    - Search query is sent to the database
    - Database returns articles
    - Web page displays article links and link for View PDF
    - User hits the View PDF link
    - The PDF opens on a new window

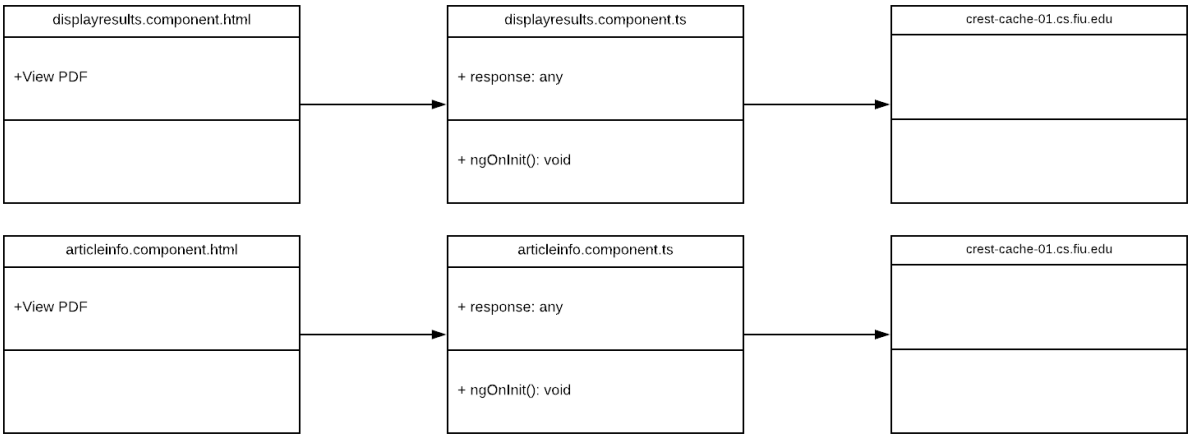
Use Case Diagram



Sequence Diagram



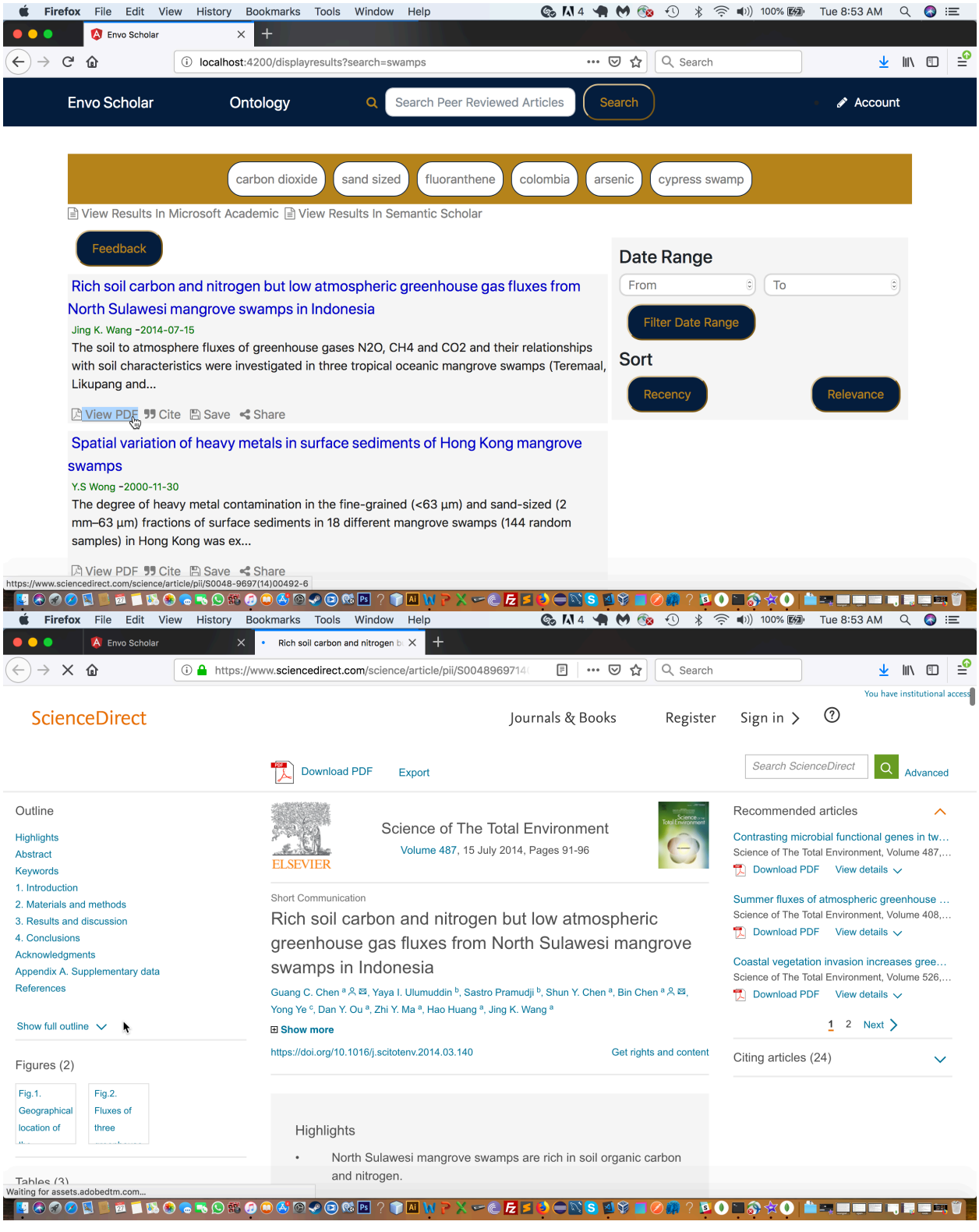
Class Diagram



Unit Test

- Test case ID: NVOS-40-View-PDF
- Description/Summary of Test: This test was to check that a PDF page will open when the user clicks on View PDF.
- Pre-condition: User has searched for an article. User is now on the displayresults page and is hovering over the View PDF link on an article. User clicks on the View PDF.
- Expected Results: Science Direct page with PDF of that article opens on a new tab.
- Actual Result: Science Direct page with PDF of that article opened on a new tab.
- Status (Fail/Pass): Pass

Visual User Guide

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Tue 8:54 AM
Envo Scholar
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Search
91 (1 of 6)
Automatic Zoom
Rich soil carbon and nitrogen but low atmospheric greenhouse gas fluxes from North Sulawesi mangrove swamps in Indonesia
1. Introduction
2. Materials and methods
2.1. Study sites
2.2. Greenhouse gas samplings and flux measurements
2.3. Sampling and analyses of soil
2.4. Statistical analysis
3. Results and discussion
4. Conclusions
Acknowledgments
Appendix A. Supplementary data
References
Science of the Total Environment 487 (2014) 91–96
Contents lists available at ScienceDirect
Science of the Total Environment
journal homepage: www.elsevier.com/locate/scitotenv
ELSEVIER
Short Communication
Rich soil carbon and nitrogen but low atmospheric greenhouse gas fluxes from North Sulawesi mangrove swamps in Indonesia
CrossMark
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HIGHLIGHTS
• North Sulawesi mangrove swamps are rich in soil organic carbon and nitrogen.
• N2O, CH4 and CO2 fluxes from North Sulawesi mangrove soils are low.
• CO2 flux is negatively correlated with soil water content and organic carbon.
• High porewater salinity decreases N2O flux.
ARTICLE INFO
ABSTRACT