

Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Feature Document

User Story ID <NVOS-24 View Saved Articles>

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Project: Envo Scholar

Product Owner(s): Mark Finlayson

Mentor(s): Masoud Sadjadi

Instructor: Masoud Sadjadi

USER STORY NAME:

- As a user, I want to click on a saved articles button, so that I can view my saved articles

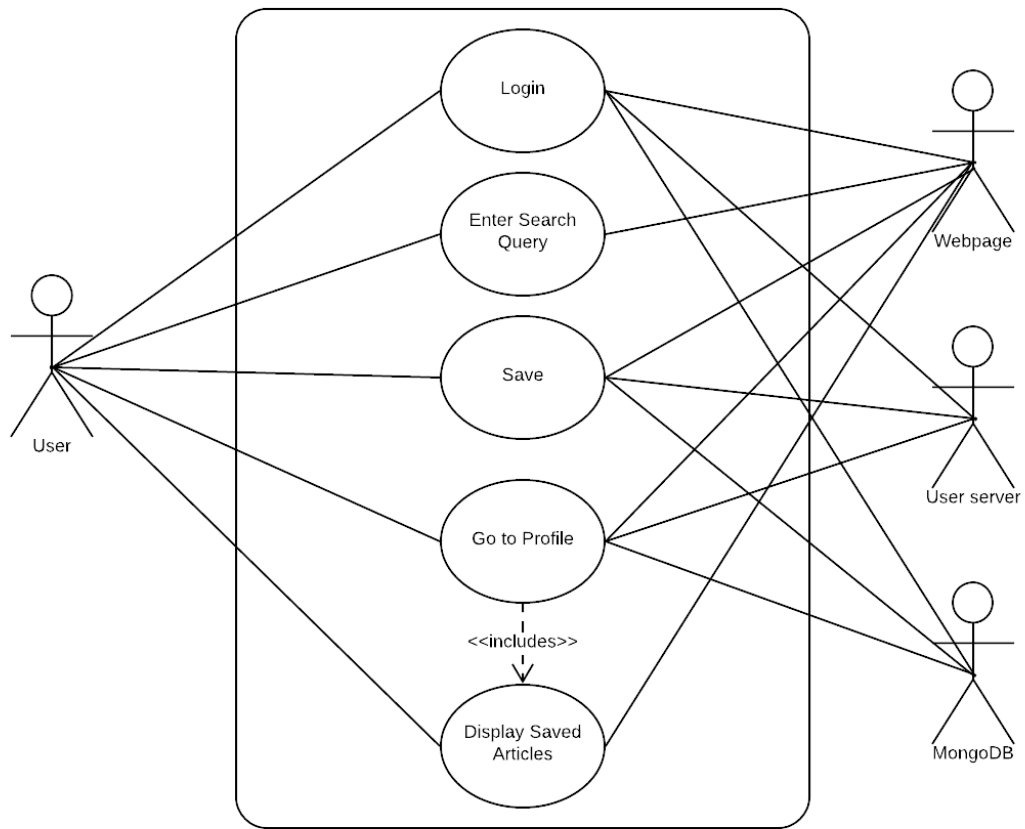
Acceptance Criteria

- User has logged into their account
- User has searched for an article
- User has clicked on the Save button
- User goes into their profile
- User profile displays the users saved articles

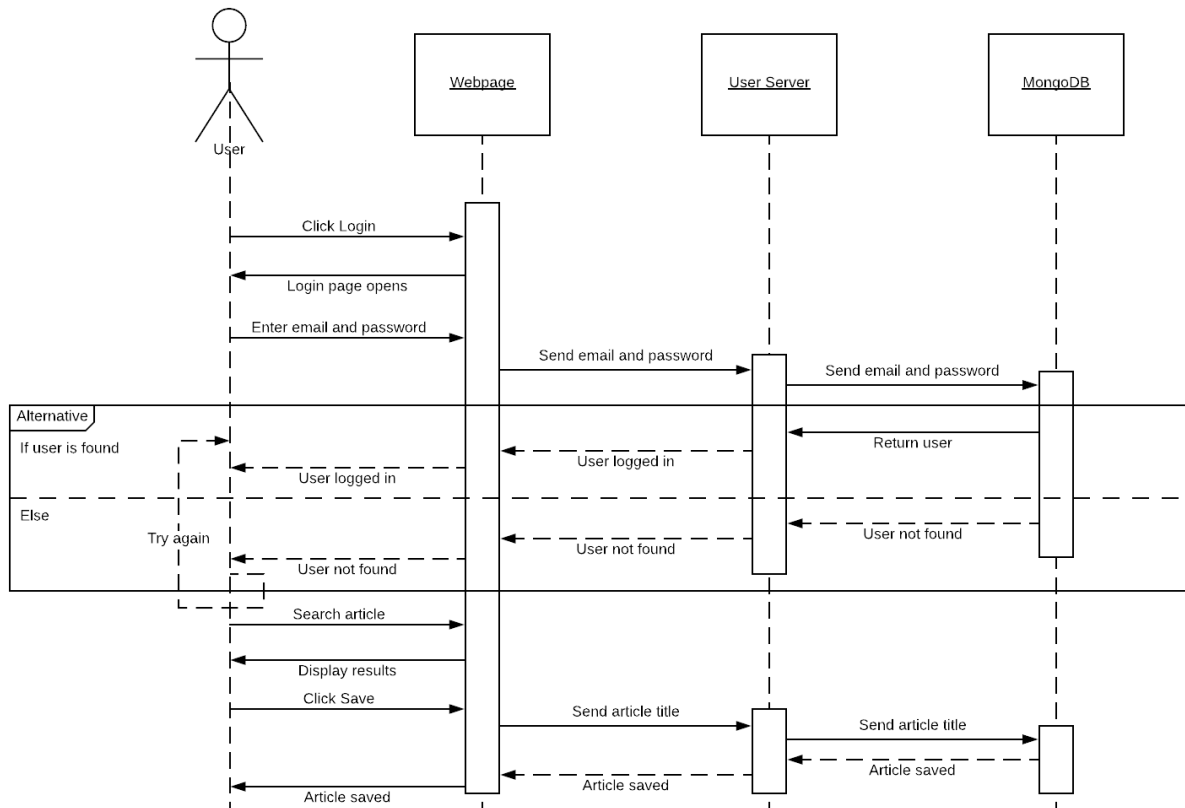
Use Case

- Name: View Saved Articles
- Actor: User, Webpage, MongoDB, User server
- Preconditions: User is logged into their account
User has searched for an article
User has clicked the Save button
- Description <Flow of events>: User logs into their account
User searches for an article
User clicks on the Save button
User clicks on the Account button
Saved articles are displayed to the user

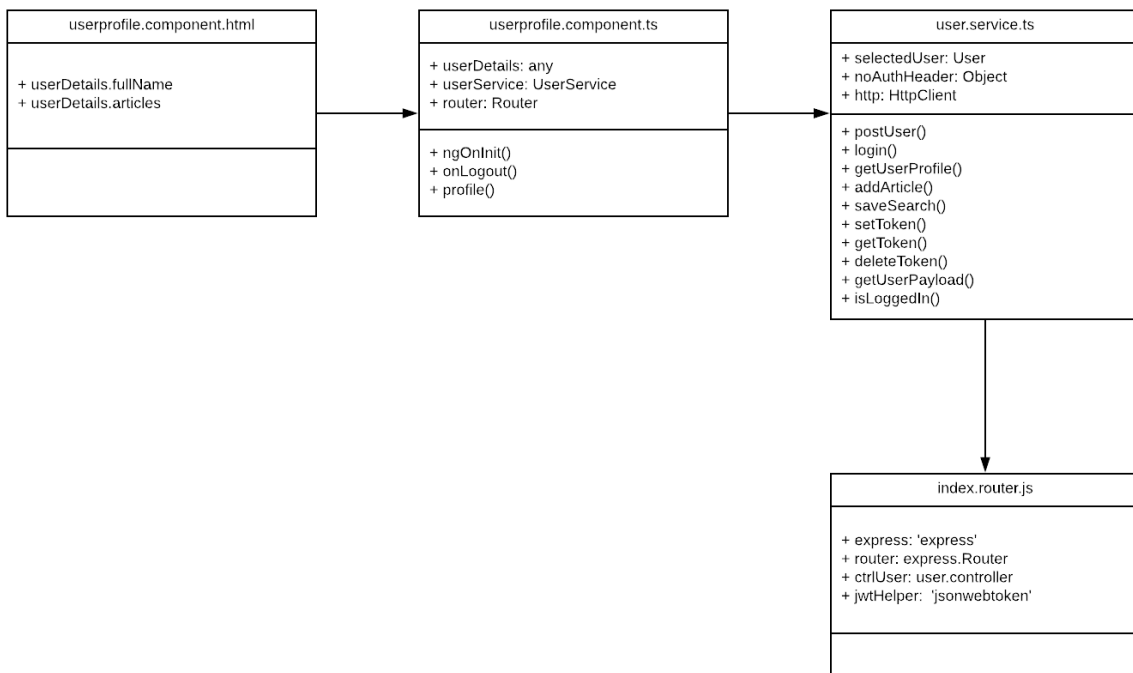
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- Test case ID: NVOS-24-View-Saved-Articles
- Description/Summary of Test: This test was done to check if a user can view their saved articles
- Pre-condition: User is logged in
 - User has entered a search
 - User has clicked on the save button
 - User accesses their profile page
- Expected Results: Saved articles are displayed in the user profile
- Actual Result: Saved articles are displayed in the user profile
- Status (Fail/Pass): Pass

Visual User Guide

Envo Scholar

Ontology

Search Peer Reviewed Articles

Search

Account

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 Kema) in North Sulawesi, Indonesia. Mangrove soils in North Sulawesi were rich in organic carbon and nitrogen, but the greenhouse gas fluxes were low in these mangroves. The fluxes ranged $-6.05-13.14\mu\text{molm}^{-2}\text{h}^{-1}$, $-0.35-0.61\mu\text{molm}^{-2}\text{h}^{-1}$ and $-1.34-3.88\text{mmolm}^{-2}\text{h}^{-1}$ for N₂O, CH₄ and CO₂, respectively. The differences in both N₂O and CH₄ fluxes among different mangrove swamps and among tidal positions in each mangrove swamp were insignificant. CO₂ flux was influenced only by mangrove swamps and the value was higher in Kema mangrove. None of the measured soil parameters could explain the variation of CH₄ fluxes among the sampling plots. N₂O flux was negatively related to porewater salinity, while CO₂ flux was negatively correlated with water content and organic carbon. This study suggested that the low gas emissions due to slow metabolisms would lead to the accumulations of organic matters in North Sulawesi mangrove swamps

View PDF

Cite

Save

Share

Citations

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Concepts

carbon dioxide

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Bryan Bastida's Profile

[Search History](#)

[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...

[An empirical investigation of climate and land-use effects on water quantity and quality in two urbanising catchments in the southern United Kingdom](#)

B. Putro - 2016-04-01

Using historical data of climate, land-use, hydrology and water quality from four catchments located in the south of England, this study identifies the impact of climate and land-use change on selecte...

[Contamination of polycyclic aromatic hydrocarbons in surface sediments of mangrove swamps](#)

Y.S Wong - Q.T. Gao - 2001-09-30

The concentrations of total polycyclic aromatic hydrocarbons (Σ PAHs) and 15 individual PAH compounds in 20 surface sediments collected from four mangrove swamps in Hong Kong were analysed. Σ PAH concen...

[Carbon dioxide and methane fluxes from feeding and no-feeding mariculture ponds](#)

Fang Wang - 2016-05-31

The CO₂ and CH₄ fluxes at the water–air interface were measured in shrimp (*Marsupenaeus japonicus*) monoculture