

User Story Backlog

SENG365 2020: Web Computing Architectures

Overview

This document summarises the user stories that should be implemented in Assignment 2. Assignment 1 implements a web server to provide the 'back-end' for these stories. Assignment 2 implements a web client to provide the 'front-end' for these stories.

Any of these stories may be used to assess Assignment 2. It is likely that only some of these stories will be assessed, but it won't be declared which before the assessment takes place.

You are strongly advised to successfully implement the first story for each category of stories **before** you move on to implement other stories in the categories.

A copy of the source code for the reference server will be released so that you have a standard server against which to create your client application. Regardless of when the source code is released, you can still test your client against the executable version of the reference server available at

<http://csse-s365.canterbury.ac.nz:4001/api/v1/> (although your final code should assume that there is a server running at <http://localhost:4941/api/v1/>).

Finally, 19 assessable stories may appear to be a lot of work. Remember that much of the computational work is already done for you by the reference server. Assignment 2 is focused on requesting and retrieving information from the server, and then presenting that information effectively to the user.

Assessable stories for the assignment

Definitions

The following terms are used in the stories:

- **Casual user**: any person using the application to view petitions, whether logged in or not
- **Registered user**: a person that has registered an account
- **Author** (of a petition): the person who created the petition
- **Signatory** (of a petition): a person who has signed the petition
- **Hero image**: an image used to present an overview of a petition, or give context to it

Searching petitions

Story		Acceptance criteria
1	List of petitions As a casual user, I'd like to be able to see a list of petitions.	Basic information about each petitions should be visible, composed of: <ul style="list-style-type: none"> <input type="checkbox"/> Title <input type="checkbox"/> Category <input type="checkbox"/> Author's name <input type="checkbox"/> Hero image <input type="checkbox"/> Number of signatures
		All petitions should be shown (possibly after using pagination).
2	Search As a casual user, I'd like to be able to see only those petitions whose title contains some characters, words, or a phrase, so that I can find the venues that are of most interest to me.	The user can type a word or phrase into an appropriate search box to filter results.
		Only, and all, petitions whose title contains the provided word or phrase are shown (possibly after using pagination).
3	Filter As a casual user, I'd like to be able to filter the petitions shown to those of a particular category (e.g. animals, human rights), so that I can easily find a petition relevant to me.	The user can select any one filter (i.e. not multiple filters) to filter by.
		Only, and all, petitions in the selected category should be shown (possibly after using pagination).
4	Sort As a casual user, I'd like to be able to sort the petitions.	By default, the petitions must be ordered from most to least number of signatures
		The user can choose to sort them one of the following ways: <ul style="list-style-type: none"> <input type="checkbox"/> Alphabetically by title, A-Z <input type="checkbox"/> Alphabetically by title, Z-A <input type="checkbox"/> Number of signatures, most to least <input type="checkbox"/> Number of signatures, least to most

5	Pagination As a casual user, I'd like to see the petitions shown in batches.	If there are more than 10 petitions in the list, then the user should only see the first 10 to begin with, i.e. petitions 1-10.
		The user can choose to view the next batch of 10 (if there are additional petitions), i.e. petitions 11-20. In this way, the user should be able to look through all the petitions 10 at a time.
		The user can choose to view the previous batch of 10, where the user has progressed beyond the first 10 petitions. For example, if the user is viewing petitions 21-30, they can 'page back' to petitions 11-20.
		The user can choose to progress to the first page (i.e. petitions 1-10), if they are not already on that page.
		The user can choose to progress to the last page if they are not already there.
		The user should be able to see the index of the current page, where the index starts at 1. Petitions 1-10 are on page 1, 11-20 on page 2, etc.
		The user should be able to see when there are no more venues - there should be an indication that the last page has been reached.
		The last batch may contain less than 10 petitions. For example, if there are 25 petitions, the pages should contain petitions 1-10, 11-20, and 21-25.
6	Combination As a casual user, I'd like to be able to combine searching, filtering, and sorting.	The user should be able to select multiple options, and this should result in them all being applied. For example, if the user searches for "panda", filters by the animal category, and sorts by number of signatures, most to least, then only petitions with "panda" in the title and in the animal category should be displayed, sorted by number of signatures.

Viewing a petition

Story		Acceptance criteria
7	Petition details As a casual user, I'd like to be able to see further details about a petition.	There should be an easy way to reach these details from the list of petitions described in story 1.
		All information about the venue should be visible, composed of: <ul style="list-style-type: none"><input type="checkbox"/> Title<input type="checkbox"/> Description<input type="checkbox"/> Author: profile picture (or a default, if none exists), name, city (if available), and country (if available)<ul style="list-style-type: none"><input type="checkbox"/> If the user has no city and/or country entered, then there should be no message such as "no country"; instead, there should just be a blank space where that information would otherwise go.<input type="checkbox"/> Hero image<input type="checkbox"/> Number of signatures<input type="checkbox"/> Category<input type="checkbox"/> Created date<input type="checkbox"/> Closing date (or some indication that there is no closing date set)<input type="checkbox"/> List of signatories
		The list of signatories should include their profile picture (or a default, if none exists), name, and city and country (if available). It doesn't need to be initially shown, but if not, there must be some way to easily see the list without leaving the page (e.g. a modal popup, or a hide/show button).
8	Share As a casual user, I'd like to be able to share the petition.	There should be at least three ways for users to share the petition (e.g. Facebook, Twitter, and email).
		To complete sharing, either a new window or a new tab should be opened for this to happen, rather than replacing the petition site in the current tab. For example, if a user wants to share by email, this should open their email service in a new tab.

Registering and logging in

Story		Acceptance criteria
9	Register As a casual user, I'd like to register as a user for the application so that I can access features that require me to be authenticated.	Any person who is not already logged in can register by providing a name, email address, and password. Optionally, they can also provide any of a city, country, and profile picture (JPEG, PNG, or GIF).
		The email address must not already be used by another user.
		The email address must be syntactically valid.
		The password must not be empty.
		The password must not be displayed in plaintext, i.e. it should be obscured, e.g. by representing each character as a dot.
		Upon successfully registering, the user should be immediately logged in.
10	Log in As a registered user, I'd like to be able to log in to the application so that I can complete tasks that require authentication.	A user must be able to log in the application using the email address and password they registered with.
		A user must not be able to log in to an account without providing both the email address and password of that account.
		A logged-in user cannot log in again, without first logging out.
11	Log out As a registered user, I'd like to be able to log out, to secure my account or to log in to another account.	A logged-in user may log out, which causes them to no longer be authenticated.
		A logged-out user cannot log out.

Managing petitions

Story		Acceptance criteria
12	Create As a registered user, I'd like to be able to create a petition	The user must first be logged in.
		The user must provide all of this information to create the petition: <ul style="list-style-type: none"> <input type="checkbox"/> Title <input type="checkbox"/> Description <input type="checkbox"/> Category (one of the existing categories) <input type="checkbox"/> Hero image (JPEG, PNG, or GIF) Optionally, they can also provide a closing date (which must be in the future).
		When a petition is created, the author's signature is added to it.
13	Edit As the author of a petition, I'd like to be able to modify the petition's details, to correct any errors and provide updates.	Only the author of a petition can edit it.
		Any of the information provided when creating a petition can be edited. A closing date can be added or changed <i>[note: there is no longer the requirement to be able to remove the closing date]</i> , so long as it is not changed to be in the past.
		Once a petition has closed (the closing date is in the past), it cannot be edited.
		Signatures on a petition cannot be added or removed by the author (including their own signature).
14	Delete As the author of a petition, I'd like to be able to delete it.	A petition can be deleted by the author (including if it has closed).
		Only the author of a petition can delete it.
15	My petitions As a registered user, I'd like to be able to see all the petitions that I am the author of.	A registered user must have some way of viewing only and all the venues they are the author of.
		Each petition must be shown with the same information that can be seen from the list of petitions in story 1. (There are no requirements, however, for searching, sorting, filtering, or pagination.)
		There should be an easy way to view the details of a petition (story 7).

Signing petitions

Story		Acceptance criteria
16	Add As a registered user, I would like to be able to sign a petition that I support.	Only an authenticated user may sign a petition.
		A user cannot sign a petition that they have already signed.
		A user cannot sign a petition if it has closed (i.e. the closing date is in the past).
17	Delete As a registered user, I would like to be able to remove my signature from a petition that I no longer want to support.	A user can remove a signature from a petition they have signed.
		A user cannot remove a signature from a petition they haven't signed.
		A user cannot remove a signature from a petition if it has closed (i.e. the closing date is in the past).

Managing user profile

Story		Acceptance criteria
18	View As a registered user, I'd like to be able to view my own profile information.	An authenticated user can view their own information, composed of: <ul style="list-style-type: none"> <input type="checkbox"/> Name <input type="checkbox"/> Email <input type="checkbox"/> City (if it exists) <input type="checkbox"/> Country (if it exists) <input type="checkbox"/> Profile picture (or a default, if none exists)
		No one else can view another user's information (except when it is included as part of a petition they author or have signed).
19	Edit As a registered user, I'd like to be able to edit my own profile information.	An authenticated user can edit their own information. This can be any of: <ul style="list-style-type: none"> <input type="checkbox"/> Name <input type="checkbox"/> Email <input type="checkbox"/> City <input type="checkbox"/> Country <input type="checkbox"/> Profile picture (to a JPEG, PNG, or GIF) <input type="checkbox"/> Password (they must provide their current password)
		The profile picture can be removed. <i>[Note: there is no longer the requirement to be able to remove the city or country.]</i>
		The email address must not already be used by another user.
		The email address must be syntactically valid.
		The password must not be empty.
		The password must not be displayed in plaintext, i.e. it should be obscured, e.g. by representing each character as a dot.
		No one should be able to modify another user's information.