SENG365 Assignment 2
Film Festival User Stories

SENG365

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Overview

This document summarises the user stories that should be implemented in the course's two assignments. Assignment 1 implements a web server (or API) 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 these won't be declared 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 deployed reference server available at `https://seng365.csse.canterbury.ac.nz/api/v1` (although your final code **must** assume that there is a server running at `http://localhost:4941/api/v1`).

Finally, 18 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.

Definitions

The following terms are used in the stories:

- **Casual user**: any person using the application to view films, whether logged in or not.
- **Registered user**: a person that has registered an account into the system.
- **Director** (of a film): the director of the film (who uploads it to the site), required for all films.
- **Image**: an image (JPEG, PNG, or GIF) used to illustrate the film listed (such as cover-art or a screen-grab from the film) – or to give context to it – and/or to illustrate a user profile.
- **Date**: means time and date; and should be displayed to the user in NZ time.
- **Review**: any review of a film by another registered user. It must include a rating 1-10, and may additionally include a textual review.

Assessed stories for the assignment

Searching films

U1 Search

As a casual user, I'd like to be able to see only those films whose information (title or synopsis) contains some characters, word(s), or a phrase, so that I can find the ones that are of most interest to me.

AC.1 The user can type a word or phrase into an appropriate search box to search for specific films.

AC.2 Only, and all, films whose **title or description** contains the provided characters, word(s), or phrase are shown (possibly after using pagination).

AC.3 The results should be shown as described in Story 2 with the possibility of being filtered as described in Story 3.

U2 List of Films

As a casual user, I'd like to be able to see a list of the existing films.

AC.1 Basic information about each film should be visible, composed of:
  - Hero image,
  - title,
  - age rating,
  - release date,
  - genre,
  - director (first and last name and hero image),
  - rating (from user ratings).

AC.2 All films should be shown (possibly after using pagination).

U3 Filter

As a casual user, I'd like to be able to filter films shown to those of that match a set of genres, or a set of age ratings, or any combination of these.

AC.1 The user can select **one or more** options (e.g., genre comedy or action and age rating PG) to filter by.

AC.2 The user can use no filter, filter by genre, filter by age rating, or both.

AC.3 Only films that match at least one of the genres should be shown (possibly after using pagination).

AC.4 Only films that match at least one of the age ratings should be shown (possibly after using pagination).

U4 Sort

As a casual user, I'd like to be able to sort the films.

AC.1 By default, films must be ordered according to when they were released, from oldest to newest (This is the default provided by the server `RELEASED_ASC`)

AC.2 The user can choose to sort the films in one of the following ways:
  - Ascending alphabetically
  - Descending alphabetically
  - Ascending by rating
  - Descending by rating
  - Chronologically by release date (from the first to release to the last)
  - Reverse Chronologically by release date (from the last to be released to the first)

U5 Pagination

As a casual user, I'd like to see the films shown in batches. You may choose a page size between 5-10 (inclusive), or let the user select their own size from this range. We will discuss 10 as an example in ACs.

AC.1 If there are more than 10 films in the list, then the user should only see the first 10 to begin with. I.e. films 1-10.

AC.2 The user can choose to view the next batch of 10 (if there are additional films), i.e. films 11-20. In this way the user should be able to look through all the films 10 at a time.

AC.3 The user can choose to view the previous batch of 10, where the user has progressed beyond the first 10 films. For example of the user is viewing films 21-30, they can 'page back' to films 11-20.

AC.4 The user can choose to progress to the first page (i.e. films 1-10) if they are not already on that page.

AC.5 The user can choose to progress to the last page if they are not already there

AC.6 The user should be able to see the index of the current page, where the index starts at 1. Films 1-10 are on page 1, 11-20 are on page 2, etc...

AC.7 The user should be able to see when there are no more films. There should be an indication that the last page has been reached, and they should not be able to travel to any pages beyond this.

AC.8 The last page may contain less than 10 films. For example, if there are 25 films, the pages should contain 1-10, 11-20, 21-25 respectively.

U6 Combination

As a casual user, I'd like to be able to combine searching, filtering, and sorting.

AC.1 The user should be able to select multiple options, and this should result in all of them being applied. For example, if the user searches for "Island", filters by "romance" genre and "PG" age rating, and sorts by "rating descending". Then only films with "Island" in the title or description **and** genre "romance" **and** age rating "PG" should be displayed sorted from the highest rated to the lowest.

Viewing a Film

U7 Viewing a Film

As a casual user, I'd like to be able to see further details about a film.

AC.1 There should be an easy way to reach these details from the list of films described in Story 1 (such as a link from the list of films, this information **will not count** if it is only displayed in the list).

AC.2 All information about the films should be visible, composed of:
- Release date
- Hero image
- Title
- Description
- Director: profile image (or a default one if none exists) and first and last name.
- Rating
- The total number of reviews
- List of reviews, each one with the rating, review (if provided), the reviewers profile picture (or a default one if none exists) and first and last name.

AC.3 The list of reviews should include the reviewers profile picture (or a default one if none exists), first name, last name, the rating out of 10, and the textual review (if one was provided). This list must be ordered by most recent to oldest review (this is the default of the server). The whole list 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).

U8 Similar Films

As a casual user, I'd like to be able to see a list of similar films (if any exist).

AC.1 A list of similar films should also be displayed in the film details page. A similar film is any other film with the same genre as the currently viewed film, or is made by the same director.

AC.2 Similar films should be displayed with the same information as Story 2.

Registering and Logging in

U9 Register

As a casual user, I'd like to register as a user in the application so that I can access features that require me to be authenticated.

AC.1 Any person who is **not** already logged in can register by providing a first name, last name, email address, and password. Optionally they can also provide a profile picture (JPEG, PNG, or GIF).

AC.2 The email address must not already be in use by another user.

AC.3 The email address must be syntactically valid (must contain an @ and a top-level domain).

AC.4 The password must be at least 6 characters in length.

AC.5 The password must not be displayed in plaintext (i.e., it should be obscured by representing each character as a dot or star). However, users **may** click a button to toggle the ability to view the password field.

AC.6 Upon successfully registering, the user is immediately logged in.

U10 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.

AC.1 A user must be able to log in to the application using their email address and password. Any subsequent action they take (e.g., creating a new film) will be related to their account.

AC.2 A user must not be able to log in to an account without providing both the correct email address and password of that account.

AC.3 A logged-in user cannot log in again, without first logging out.

U11 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.

AC.1 A logged-in user may log out, which causes them to no longer be authenticated.

AC.2 A user that is not currently logged in cannot log out.

Managing Films

U12 Create

As a registered user, I'd like to be able to create a listing for my film.

AC.1 The user must first be logged in.

AC.2 The user must provide valid information to create the film (with required attributes bolded)
- **Title** – Must be unique.
- **Description**
- **Genre** – Must be a Genre accepted by the server.
- Release Date – Must be in the future.
- Age Rating – Must be an age rating accepted by the server.
- Runtime
- **Image**

AC.3 The film is then included in the list of auctions and works with searching, filtering, sorting, and pagination.

U13 Edit

As the director of a film, I'd like to be able to modify my film's details (as long as no reviews have been placed), to correct any error or provide updates.

AC.1 Only the director of the film can edit it.

AC.2 Any of the information provided when creating a film can be edited, and it must follow the same restrictions.

AC.3 Once a review has been placed on a film, the film can no longer be edited.

AC.4 Once the release date of a film has passed, the release date can not be edited.

U14 Delete

As the director of a film, I'd like to be able to delete my film.

AC.1 Only the director of a film can delete it.

AC.2 The director must be prompted to confirm the action.

AC.3 A film **can be** deleted once a review has been placed or the release date has been passed.

U15 My Films

As a user, I'd like to be able to see all the films I am a director of or that I have reviewed.

AC.1 A registered user must have some way of viewing only and all the films they are 'involved' with, either as a director or a reviewer.

AC.2 Each film must be shown with the same information that can be seen from the list of films in Story 2 (there are no requirements for searching, filtering, sorting, or pagination).

AC.3 There should be an easy way to view the details of any of these films (Story 7).

Reviewing a Film

U16 Reviewing

As a registered user, I'd like to rate and optionally review a film.

AC.1 Should the user be interested in reviewing a film the user should be able to place a review from the film details page.

AC.2 Only an authenticated user may review a film. Casual users should be prompted to log in or register

AC.3 Users can rate a film without providing a textual review.

AC.4 Users can only rate a film with a whole number between 1-10 inclusive.

AC.5 A director can not review their own film.

AC.6 A user cannot review a film that has not been released. To review a film the release date must be in the past.

AC.7 A user cannot change or delete their review; A user may not review a film more than once.

Managing User Profile

U17 View

As a registered user, I'd like to be able to view my own profile information.

AC.1 An authenticated user can view their own information, composed of:
- First name
- Last name
- Email
- Profile picture (or a default one, if none exists)

AC.2 No one else can view another user's information (except when it it included as part of a film where they are the director or a reviewer, in either case only the user's first and last name and profile picture are displayed).

U18 Edit

As a registered user, I'd like to be able to edit my own profile information.

AC.1 An authenticated user can edit their own information. This can be any of:
- First name
- Last name

- Email,
- Profile picture
- Password

AC.2 If a profile picture exists it can be removed.

AC.3 The email address must not already be in use by another user.

AC.4 The email address must be syntactically valid (See Story 9).

AC.5 If the password is being updated, the existing password must be provided and correct.

AC.6 The password must be at least 6 characters.

AC.7 The password must not be displayed in plain text (See Story 9).

AC.8 A user can not modify another user's information.