SENG 365 Assign 1 Test Case Document

# Part I: Users

## Post: Register user

* Register a User (201) 🗸
* Email already in use (403) 🗸
* Any field is a non-string (400) 🗸
* Any field is missing (400) 🗸
* Email does not contain a top level domain (400) 🗸

## Post: Login

* Generate, send, and save a token (200) 🗸
* Re-logging in after already logging in (200) 🗸
* Either field is empty (400) 🗸
* Email is invalid syntactically (400) 🗸
* Both fields are valid, but the email/password combination is invalid (401) 🗸

## Post: Logout

* Valid logout – auth token is cleared from user row (check) (200)
* User does not have an auth token (401)
* User’s auth token does not match any user (401)

## Get: User details

* Valid id, user is authenticated and looking at their details (200) 🗸
* Valid id, user is authenticated and looking at someone else’s details (200) 🗸
* Valid id, user is not authenticated and looking at someone else’s details (200) 🗸
* Id is not in database (404) 🗸
* Id is NaN (404) 🗸
* Id is a float (404?) 🗸

## Patch: Edit user

* All fields entered and valid, user is authenticated, correct id (200) 🗸
* Both passwords and one field valid (200) 🗸
* Both passwords valid (200) 🗸
* One field, valid (200) 🗸
* Request body is empty (200) 🗸
* Only password is passed (400) 🗸
* Only currentPassword is passed (400) 🗸
* Email not valid (400) 🗸
* Unauthorised (401) 🗸
* Password does not match authenticated user’s password (correct user) (401) 🗸
* Logged in account does not match id (another user) (403) 🗸
* Email is already in use (403) 🗸
* Password and currentPassword are identical (403) 🗸
* Id is not valid (404) 🗸

# Part II: Users.images

## Get: User image

* Image is a jpg (200) 🗸
* Image is a jpeg (content type will be image/jpeg) (200) 🗸
* Image is a png (200) 🗸
* Image is a gif (200) 🗸
* User not found (404) 🗸
* Image not found (404) 🗸

## Put: User image

* Id is valid, new image is created (201) 🗸
* Id is valid, image is a jpg (200) 🗸
* Id is valid, image is a jpeg (200) 🗸
* Id is valid, image is a png (200) 🗸
* Id is valid, image is a gif (200) 🗸
* jpeg replaces a jpeg etc. 🗸
* Gif replaces a jpg etc. (200) 🗸
* File is not an image (or invalid image) (400) 🗸
* Unauthorised (401) 🗸
* Logged in account does not match id (403) 🗸
* Id is invalid (404) 🗸
* Make sure old image is deleted when replacing it

## Delete: User image

* Id is valid, image is deleted (200) 🗸
* Unauthorised (401) 🗸
* User is not the id supplied (403) 🗸
* Id not found (404) 🗸
* No image to delete (404) 🗸

# Part III: Films

## Get: All films

* No queries (200) 🗸
* Skip 3 results, count 0 (200, all results)
* Skip 0 results, count 10 (200, 10 results)
* Skip 3 results, count 10 (200, 10 results)
* Invalid start (400) 🗸
* Invalid count (400) 🗸
* Invalid start and count (400) 🗸
* Normal search term (200, Bail) 🗸
* Lowercase search term (200, bail) 🗸
* Uppercase search term (200, BAIL) 🗸
* Single genre, valid (200, 5) 🗸
* Single genre, invalid (400, a) 🗸
* Single genre, genre does not exist (400, 999) 🗸
* Multiple genres, valid (200, [1, 2, 3]) 🗸
* Multiple genres, invalid (200, [1, a, 3]) 🗸
* Multiple genres, genre does not exist (400, [99999, 23465]) 🗸
* Single age rating, valid (200, G) 🗸
* Single age rating, invalid (400, A) 🗸
* Single age rating, invalid integer (400, 1)
* Multiple age ratings, valid (200, [M, R16]) 🗸
* Multiple age ratings, invalid (200, [A, R16]) 🗸
* Multiple age ratings, invalid integer (200, [1, R16]) 🗸
* directorId is valid (200) 🗸
* Director has made no films (200, no films returned) 🗸
* directorId does not exist (200, no films returned) 🗸
* directorId is not valid (400) 🗸
* reviewerId is valid (200) 🗸
* Reviewer has reviewed no films (200) 🗸
* reviewerId does not exist (404) 🗸
* reviewerId is not valid (400) 🗸
* Sort by a valid sort (200, ALPHABETICAL\_ASC) 🗸
* Sort by a default sort (200, RELEASED\_ASC) 🗸
* Sort by is empty i.e. default sort (200) 🗸
* Sort by is invalid (400) 🗸
* All queries (200) 🗸

## Post: A new film

* All properties supplied (201) 🗸
* Only mandatory properties supplied (201) 🗸
* releaseDate is invalid (400) 🗸
* Unauthorised (401) 🗸
* Missing required property (400) 🗸
* GenreId does not exist (404) 🗸
* Title already in use (403) 🗸
* releaseDate in past (403) 🗸

## Get: One film

* Successfully get a film (200) 🗸
* Film not found (404) 🗸

## Patch: A film’s details

* All properties supplied (200) 🗸
* Some properties supplied (200) 🗸
* GenreId supplied, valid (200) 🗸
* releaseDate supplied, valid (200) 🗸
* Title supplied, valid (200) 🗸
* Request body is empty (200) 🗸
* releaseDate is invalid (400) 🗸
* Unauthorised (401) 🗸
* GenreId does not exist (404) 🗸
* Title already in use (403) 🗸
* releaseDate in past (403) 🗸
* Current releaseDate in past (403) 🗸
* Film has a review (403) 🗸
* User is not director (403) 🗸
* Film does not exist (404) 🗸

## Delete: A film

* Successfully delete a film (200) 🗸
  + CHECK: Film’s image and film’s reviews are deleted 🗸
* Unauthorised (401) 🗸
* User is not the director (403) 🗸
* Film does not exist (404) 🗸

## Get: All film genres

* Retrieve all genres (200) 🗸
* Retrieve all genres after an insertion (200) 🗸

# Part IV: Films.Images

## Get: A film image

* Image is a jpeg (200) 🗸
* Image is a png (200) 🗸
* Image is a gif (200) 🗸
* Film not found (404) 🗸
* Image not found (404) 🗸

## Put: A film image

* Id is valid, new image is created (201) 🗸
* Id is valid, image is a jpg (200) 🗸
* Id is valid, image is a jpeg (200) 🗸
* Id is valid, image is a png (200) 🗸
* Id is valid, image is a gif (200) 🗸
* jpeg replaces a jpeg etc. (200) 🗸
* Gif replaces a jpg etc. (200) 🗸
* File is not an image (or invalid image) (400) 🗸
* Unauthorised (401) 🗸
* Logged in account does not match director id auth (403) 🗸
* Film id is invalid (404) 🗸
* Make sure old image is deleted when replacing it

# Part V: Films.Reviews

## Get: A film’s review

* Successfully get film reviews (200) 🗸
* Film has no reviews (200) 🗸
* Film does not exist (404) 🗸

## Post: A film review

* Review posted (201) 🗸
* Review Posted – No text review (201) 🗸
* No rating (400) 🗸
* Rating out of bounds (400) 🗸
* Rating is invalid (float) (400) 🗸
* Unauthorised (401) 🗸
* Director is logged in (403) 🗸
* Film has not released (403) 🗸
* Film does not exist (404) 🗸