

## Milestone 3 Project Testing

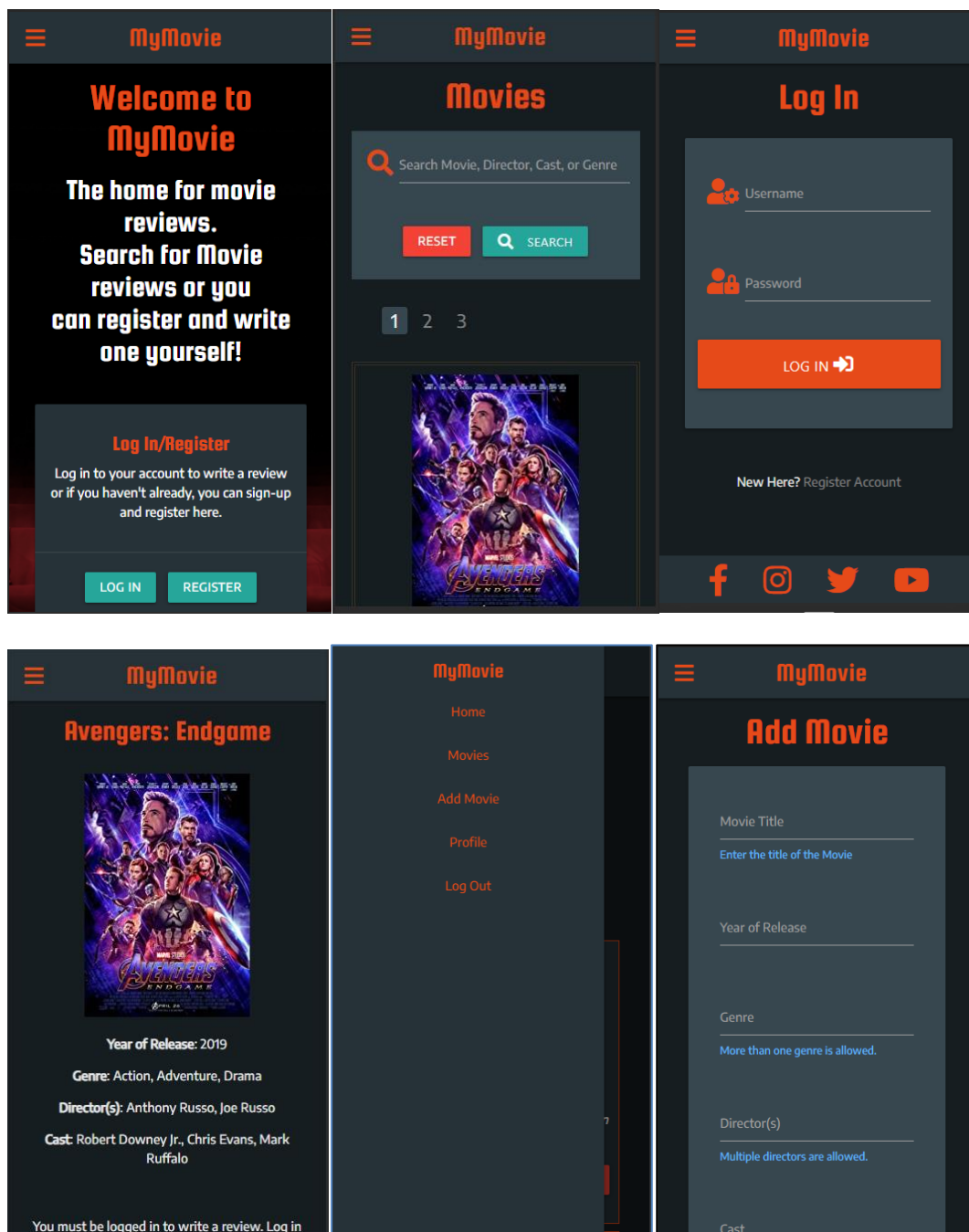
### Manual Testing

Manual Testing was performed on Google Chrome and Mozilla Firefox using the device toggle Tool to ensure the layout was responsive on a range of screen sizes (350x650 to 2160x1440).

### Mobile Device Layout (small)

The screen layout for all pages when viewed on mobile devices is made to be easily viewable. This was tested on my actual mobile device – OnePlus 6.

Below are some examples of how the site looks on 350x650.



As seen above, the movie list and movie page have all elements aligned to the center for a more appealing layout.

### **Mouse Hover**

Testing the change in appearance when the mouse is hovered over certain buttons and icons assists the user visually. This was implemented for:

- Navigation Bar – All links including Logo.
- Footer – All 4 social media icons.
- Movies page - The page selector on the movies list page.
- Log In page – the link for “Register Account”.
- Register page – the link for “Log In”.

All the above were tested and working as intended.

### **Admin Accessibility – Movie/Review Edit and Delete**

Browsing the website as a non admin user, the movie page does not show the buttons “EDIT MOVIE” and “DELETE MOVIE”. Looking at movie reviews, there are no buttons to edit or delete them. This is working as intended as this ability is only available to the admin.

### **Navigating the Pagination Buttons on Movies page**

Each numbered button will show 6 movies. This is working as intended when flicking through the pages.

### **Search function on Movies page**

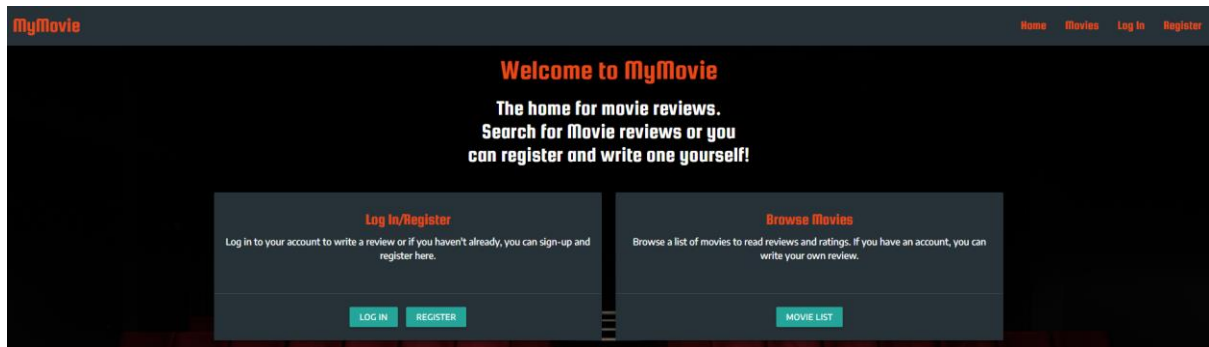
A bug where at times, the search function does not work. An example would be when typing in “aveng”, all Avengers movies will show. If I type “inter”, the movie Interstellar will now show. My mentor Spencer also was bewildered by this and unfortunately, a solution has not been found.

## Navigation Bar and Home page

### 1) From non-registered user perspective:

Expected Result - The navigation bar should only show the links for – Brand Logo, Home, Movies, Log In and Register. The left panel should show “Log In/Register” along with their respective links.

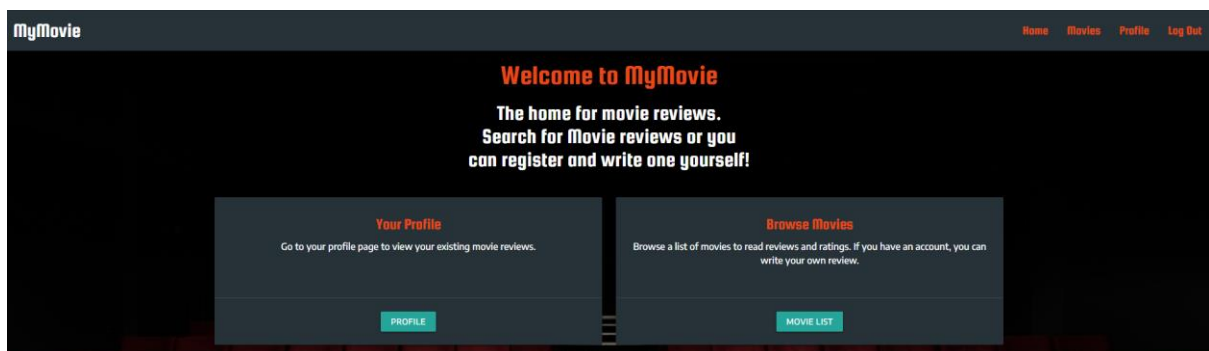
Result – The nav bar displays what is expected as well as the left panel.



### 2) From a Logged In User perspective:

Expected Result - The navigation bar should only show the links for – Brand Logo, Home, Movies, Profile and Log Out. The left panel should show “Profile” along with the respective link.

Result – The nav bar displays the expected link as well as the left panel showing Profile.

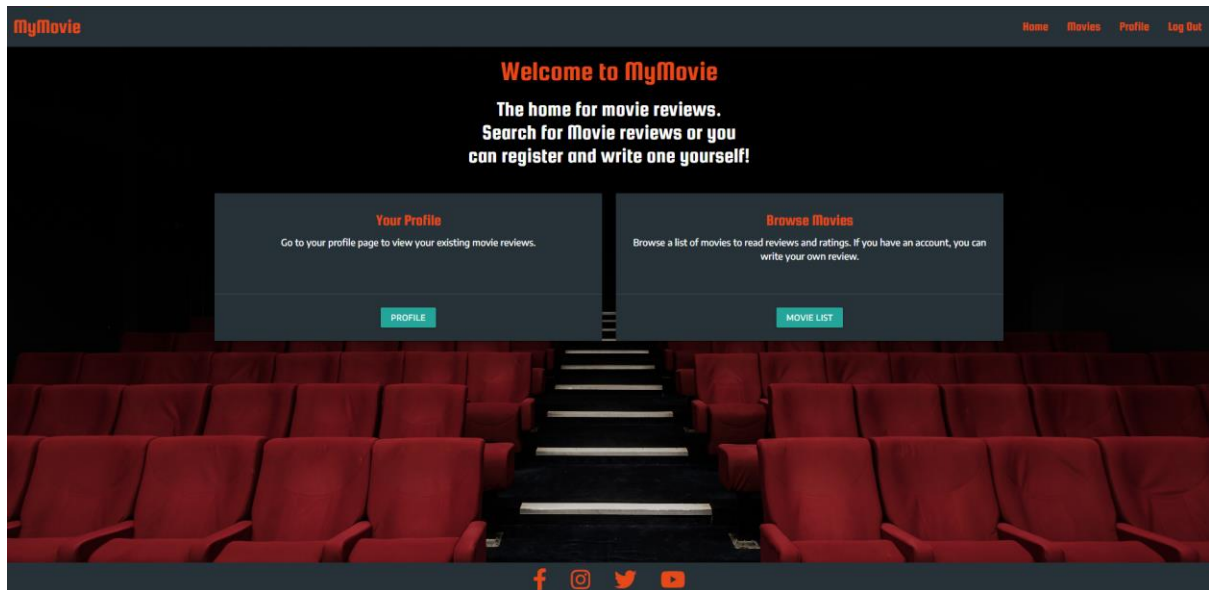


### 3) All links redirect to their correct pages as intended.

## Footer

Expected Result – The footer should appear on all pages and house four social media icons (facebook, Instagram, twitter and youtube). There is no existing account for MyMovie, therefore the links should redirect to their respective social media landing pages.

Result – All four social media links are present and when clicked, open a new window for their respective social media websites.



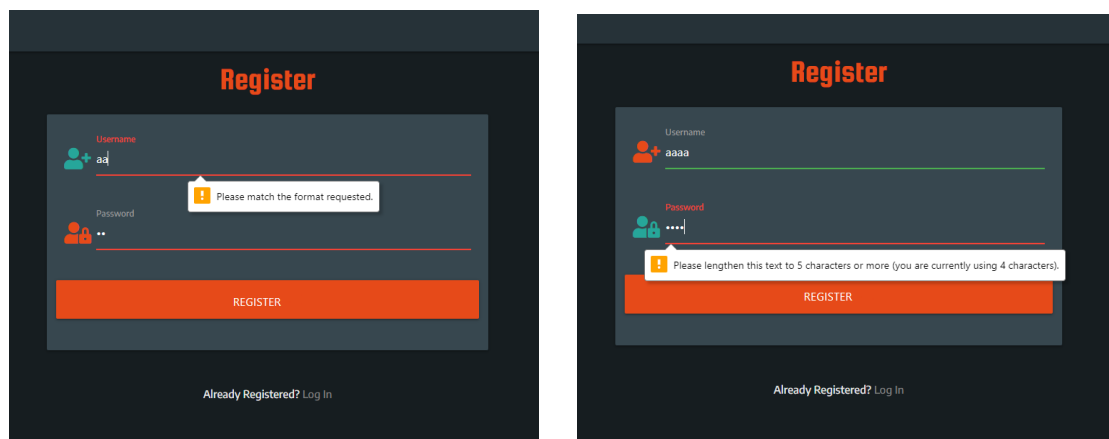
## Register page

### 1) Input Fields and Acceptable Inputs

Test – To ensure that the username input field will only accept characters of length between 4 and 15. The password field will only accept characters of length between 5 and 25.

Expected Result – Error messages will appear for characters of unacceptable length. When the correct inputs are entered, an account is successfully registered.

Result – Error messages appear to input username and password in the correct format.



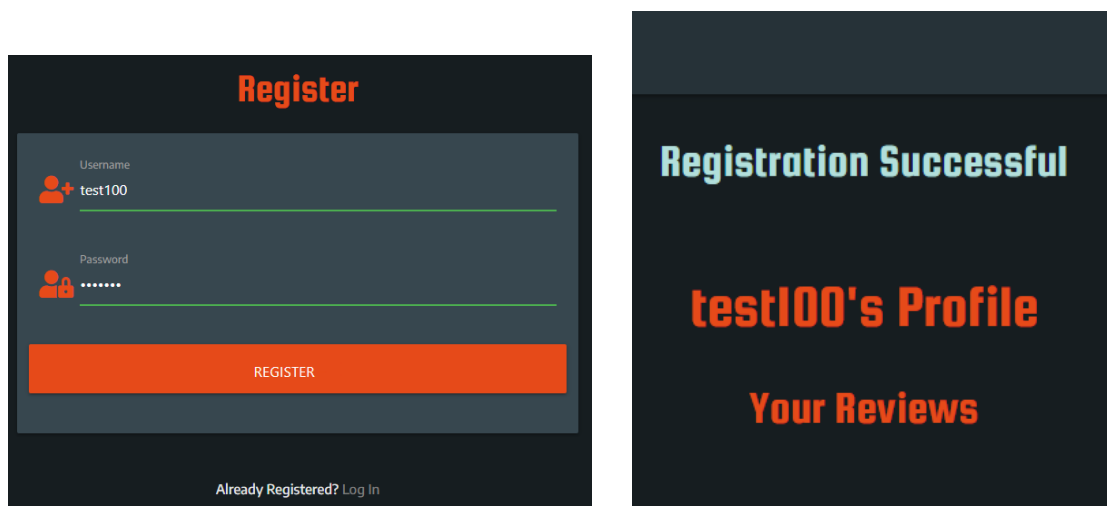
The image shows two screenshots of the 'Register' page. The left screenshot shows the 'Username' field with 'aa' and a red error message: 'Please match the format requested.' The 'Password' field has two dots and a red error message: 'Please lengthen this text to 5 characters or more (you are currently using 4 characters).' The right screenshot shows the 'Username' field with 'aaaa' and a green success message. The 'Password' field has four dots and a red error message: 'Please lengthen this text to 5 characters or more (you are currently using 4 characters).' Both screenshots have a 'REGISTER' button and a link 'Already Registered? Log In' at the bottom.

### 2) Registering an Account

Test – To successfully register an account. In this case I will register an account which has the username "test100".

Expected Result – When attempting to register with the acceptable parameters, the site should automatically log me in and redirect me to the Profile page, with a flash message "Registration Successful".

Result – The account is created and redirected to the Profile page, with a message of a successful registration.



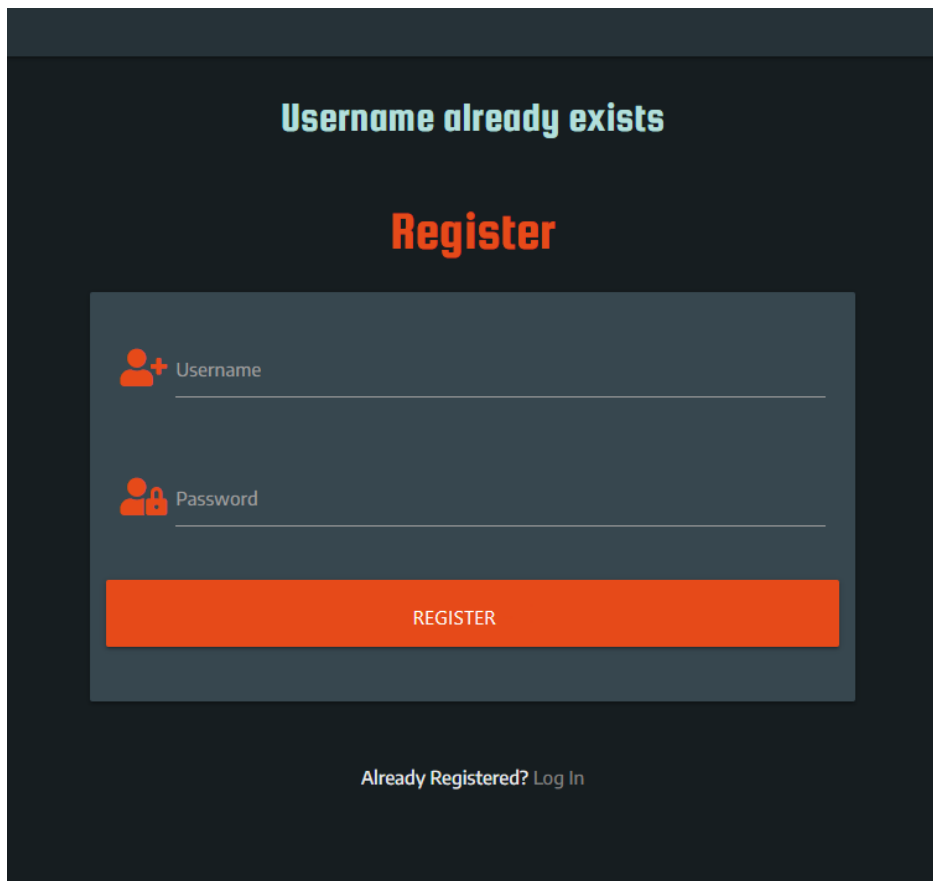
The image shows two screenshots. The left screenshot shows the 'Register' page with the 'Username' field containing 'test100' and the 'Password' field containing eight dots. Both fields have green success lines. The 'REGISTER' button is highlighted. The right screenshot shows the 'Registration Successful' message in green, followed by 'test100's Profile' in orange and 'Your Reviews' in orange. Both screenshots have a link 'Already Registered? Log In' at the bottom.

### 3) Register an Account with an Existing Username

Test – To ensure that the when registering an account, you are not able to use an existing username. Here I tried to register an account with the username “test100”, which I already previously created.

Expected Result – Error messages will appear to advise the username already exists.

Result – Error message appears to notify that the username already exists.



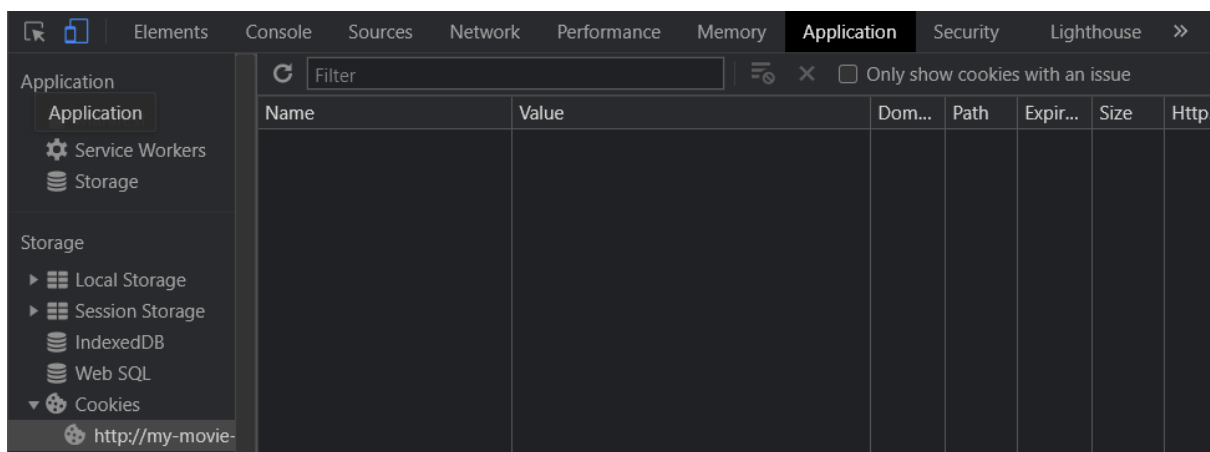
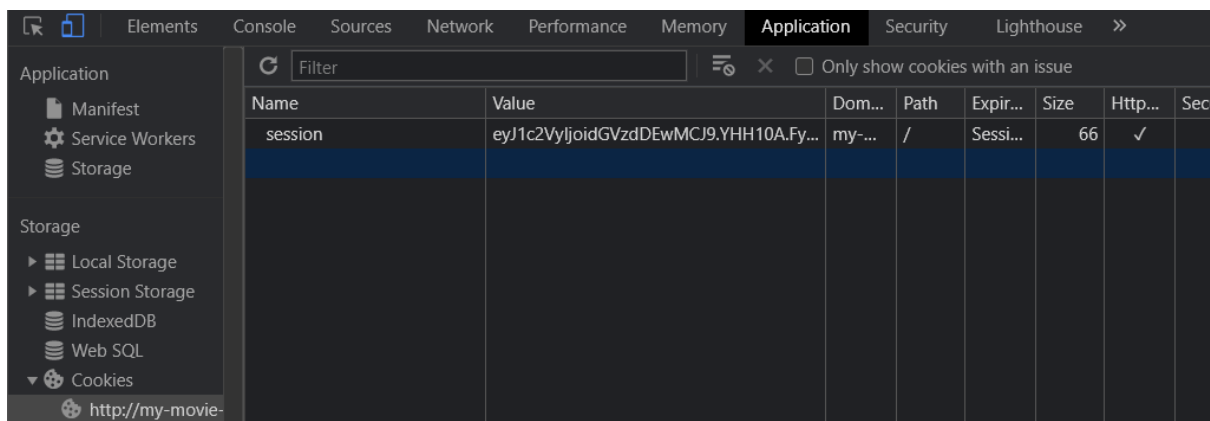
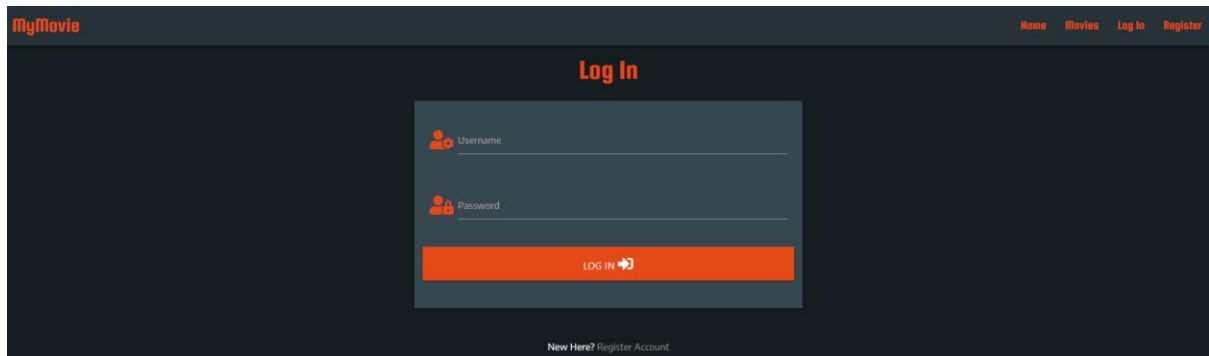
The screenshot displays a registration interface with a dark background. At the top, a teal error message reads "Username already exists". Below this, the word "Register" is written in large, bold, orange letters. The registration form itself is a light gray rectangle containing two input fields: "Username" (with a person icon) and "Password" (with a lock icon). Below these fields is a prominent orange "REGISTER" button. At the bottom of the form area, there is a link that says "Already Registered? Log In".

## Log Out

**Test** – After logging in, click the Log Out button found on the navigation bar to log out of the account. A check to see the session for the user is cleared.

**Expected Result** – After clicking the Log Out button, the links on the navigation bar should change and redirect me to the Log In page. The session cookie for the user is also removed.

**Result** – The site has redirected me to the Log In page with the nav bar replacing the link “Profile” with “Log In”. The session cookie is also removed.

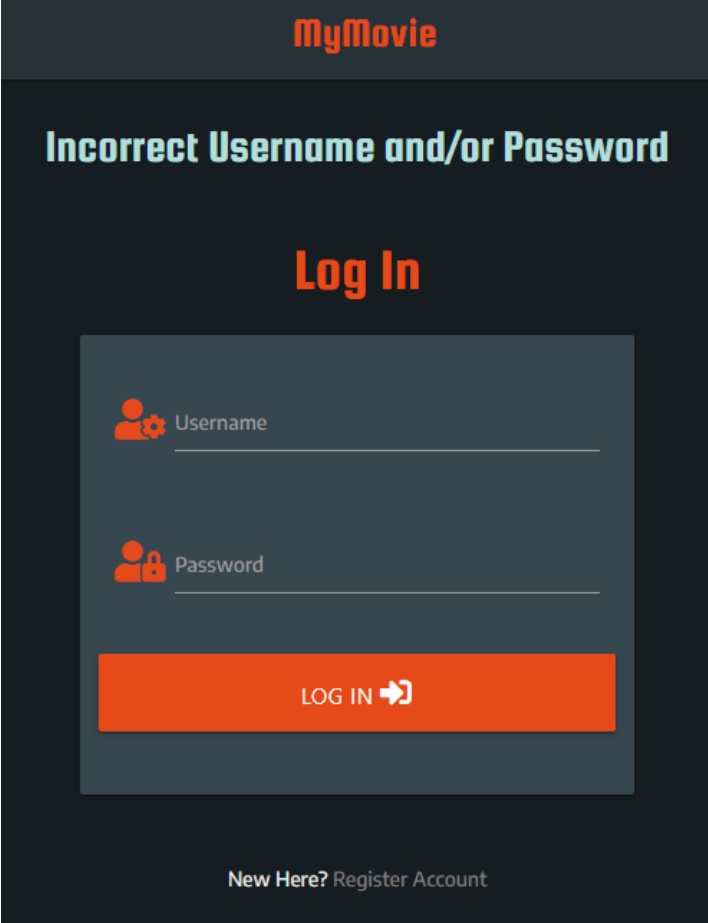


## Log In – Incorrect Credentials

Test – attempt to log in to the site using incorrect username or password

Expected Result – The page will advise that the username or password is incorrect. Not specifying which is incorrect is for extra security..

Result – A flash message to say that the username or password is incorrect and no user is logged in.



The screenshot displays the 'MyMovie' login interface. At the top, the 'MyMovie' logo is in orange. Below it, a dark blue banner contains the text 'Incorrect Username and/or Password' in white. Underneath the banner, the words 'Log In' are written in large orange font. The login form itself is a light gray rectangle containing two input fields: 'Username' with a person icon and 'Password' with a lock icon. Below these fields is an orange 'LOG IN' button with a right-pointing arrow. At the bottom of the form area, there is a link that says 'New Here? Register Account'.

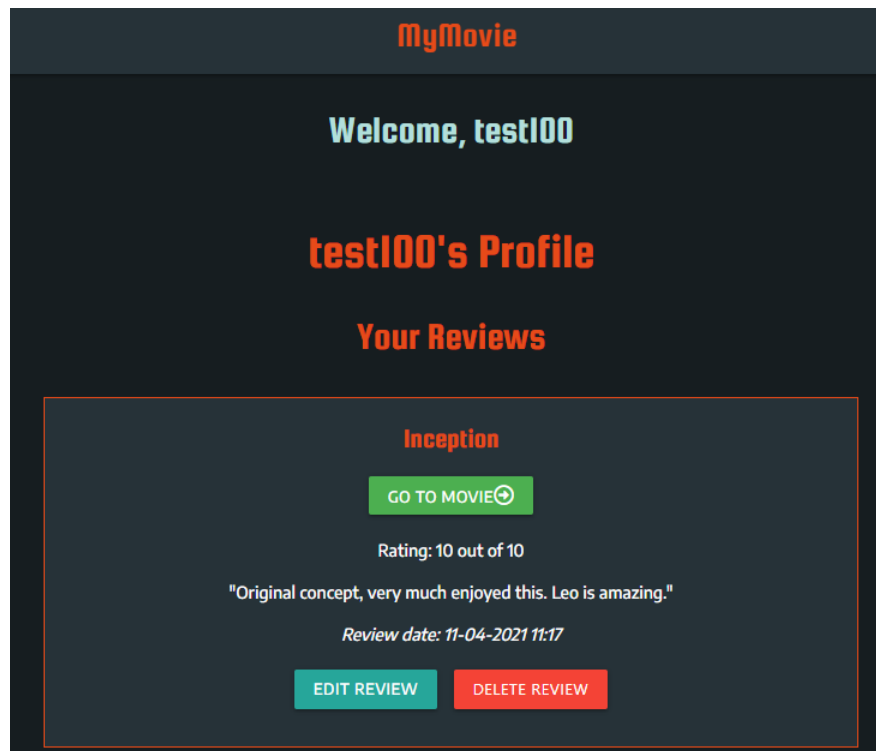


## Log In – Correct Credentials

Test – attempt to log in to the site using an existing account with the correct password.

Expected Result – Once clicked Log In, the site redirects me to the Profile page.

Result – A flash message to say that the username or password is incorrect and no user is logged in.

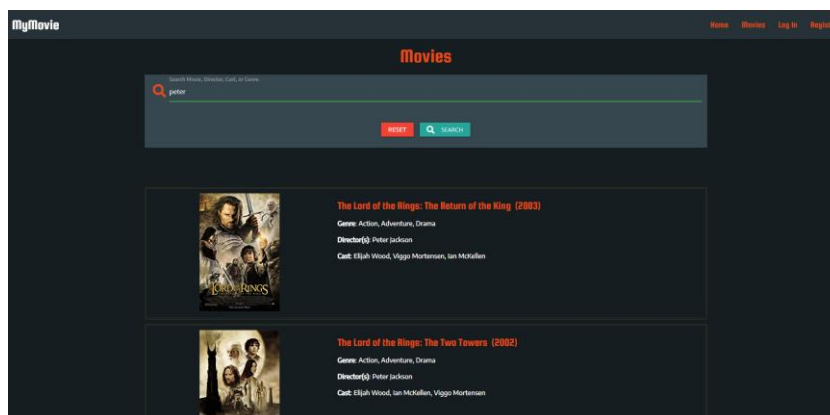
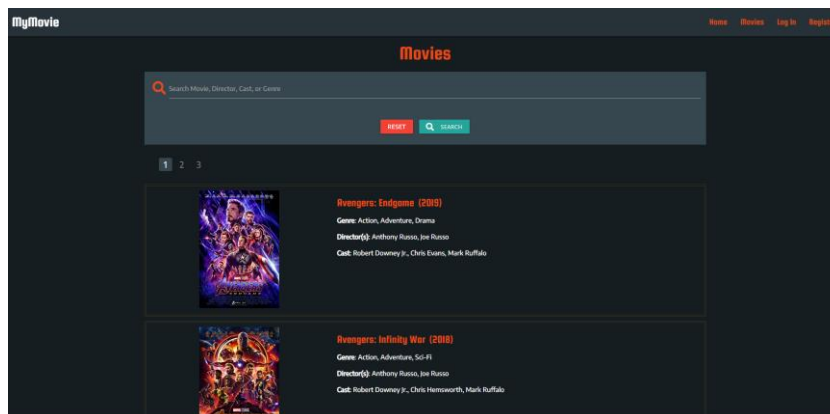


## Non-registered user on Movie List(Search Function) and Movie page

**Test** – When visiting the website and not logged in to an account, browse the list of movies, use the search function and click on a Movie to go to the Movie page.

**Expected Result** – At the Movies page, I can browse and search for movies using the search bar function. When clicking a Movie, I will be redirected to the Movie page for that particular movie.

**Result** – The movie list is accessible and the search functions works as intended. Here I typed “Peter” and pressed enter. This showed results for Peter Jackson directed movies. When clicking “The Lord of the Rings: The Return of the King”, it correctly redirects me to that particular movie page where it asks me to log in if I wish to write a review. Other user reviews can also be read here.



## Writing a Review as a Registered User

**Test** – As a logged in user (in this case I will use “test100” account), submit a rating and a review for a movie. The test will also ensure that the validation of a minimum of 10 characters is in place for the review description, and that only 1 review per movie per user is allowed.

**Expected Result** – An error message to show that description must be more than 10 characters. After successful review submission, a flash message will appear to say review is submitted and can be seen on the Movie page with the time stamp and username. There will also be a line to advise that the user has already reviewed this movie, and they are unable to write another review for this movie.

**Result** – Error message appears to say at least 10 characters is required. After submitting a valid review, it can be seen on the page along with the username “test100” as well as the timestamp. A flash message shows “Your review was added” and a line to advise that I have already reviewed the movie with the inability to add another one.

The screenshot shows a web interface for reviewing the movie "The Lord of the Rings: The Return of the King". The movie's title is at the top in orange. Below it is a movie poster and a list of details: Year of Release: 2003, Genre: Action, Adventure, Drama, Director(s): Peter Jackson, and Cast: Elijah Wood, Viggo Mortensen, Ian McKellen. A rating section shows a 5-star rating. Below the rating is a text input field with the placeholder "Write your review here." and the text "The". A red error message box is displayed below the input field, stating "Please lengthen this text to 10 characters or more (you are currently using 4 characters)." Below the error message is a "Reviews" section with a rating of 8 out of 10 and the review text "An incredible end to the trilogy!". The review is attributed to "test100" on 10-04-2021 18:50.

**The Lord of the Rings: The Return of the King**

Year of Release: 2003  
Genre: Action, Adventure, Drama  
Director(s): Peter Jackson  
Cast: Elijah Wood, Viggo Mortensen, Ian McKellen

Rate this Movie

5

Write your review here.

The

Please lengthen this text to 10 characters or more (you are currently using 4 characters).

**Reviews**

Rating: 8 out of 10  
"An incredible end to the trilogy!"  
Reviewed by: test100 on 10-04-2021 18:50

**Your review was added**

**The Lord of the Rings: The Return of the King**

Year of Release: 2003  
Genre: Action, Adventure, Drama  
Director(s): Peter Jackson  
Cast: Elijah Wood, Viggo Mortensen, Ian McKellen

You have already Reviewed this Movie

**Reviews**

Rating: 8 out of 10  
"Brave Hobbits are true heroes!"  
Reviewed by: test100 on 10-04-2021 19:08

[EDIT REVIEW](#) [DELETE REVIEW](#)

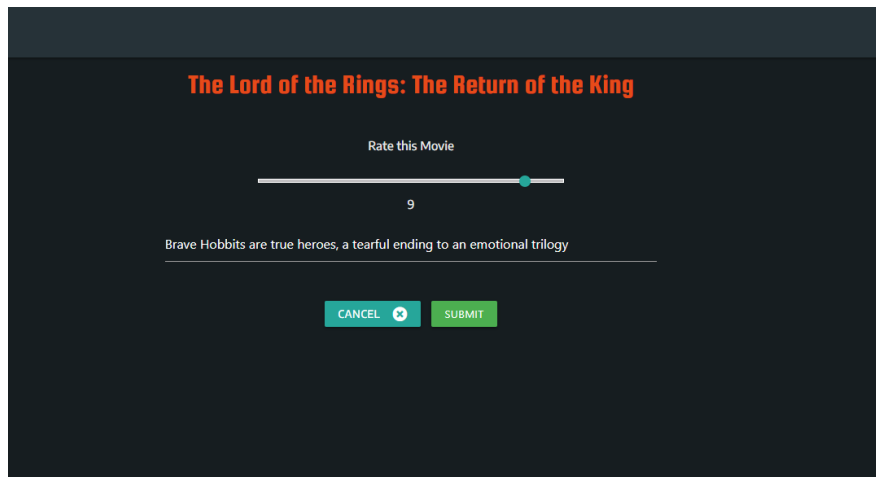
Rating: 8 out of 10  
"An incredible end to the trilogy!"

## Edit a Review as a Registered User

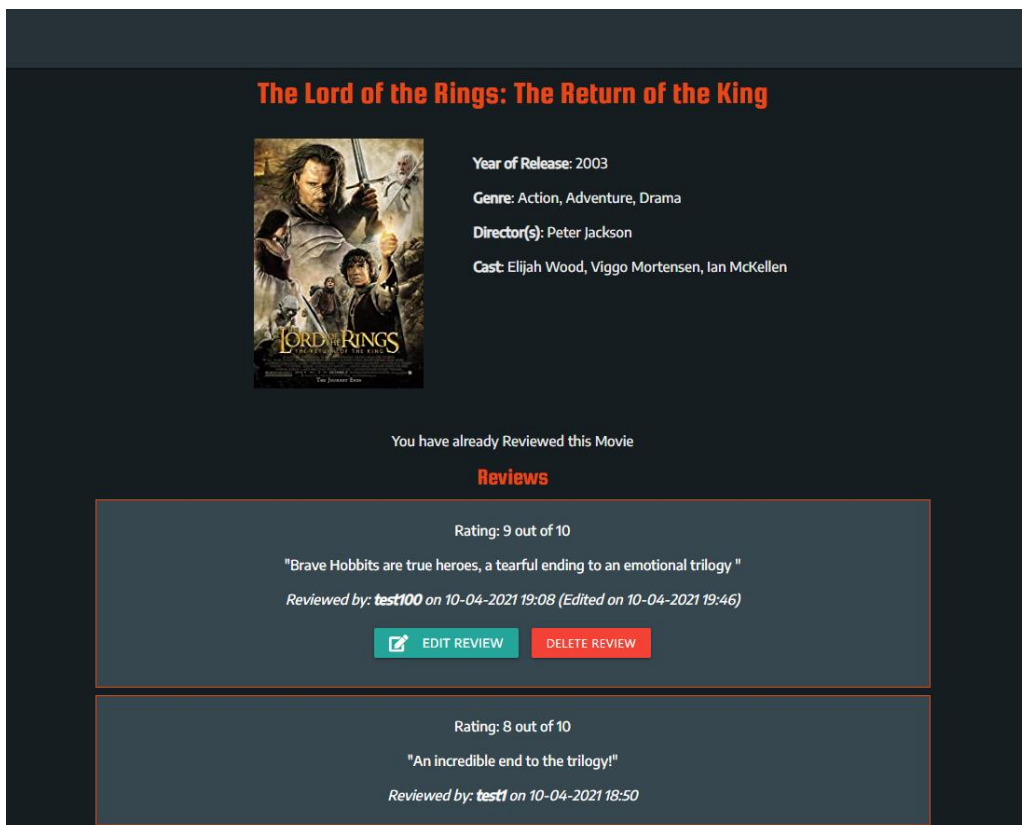
Test – As a logged in user, edit an existing review and ensure that the change is saved.

Expected Result – After editing the rating and review description, I will be redirected back to the movie page with the flash message advising the review has been edited. There will also be a timestamp for the time of edit.

Result – When clicking the “Edit Review” button, I am redirected to the edit review page where I can make the changes. After submit, I am redirected to the Movie page and the flash message is displayed for successful edit.



The screenshot shows a dark-themed form for editing a review. At the top, the movie title "The Lord of the Rings: The Return of the King" is displayed in orange. Below it, the text "Rate this Movie" is centered above a horizontal slider. The slider has a green dot at the position of 9. Below the slider, the current review text "Brave Hobbits are true heroes, a tearful ending to an emotional trilogy" is shown. At the bottom, there are two buttons: "CANCEL" with a circular arrow icon and "SUBMIT".



The screenshot shows the movie page for "The Lord of the Rings: The Return of the King". The movie poster is on the left, and the movie details are on the right: "Year of Release: 2003", "Genre: Action, Adventure, Drama", "Director(s): Peter Jackson", and "Cast: Elijah Wood, Viggo Mortensen, Ian McKellen". Below the details, it says "You have already Reviewed this Movie". Under the heading "Reviews", there are two review cards. The first card shows a rating of "9 out of 10", the review text "Brave Hobbits are true heroes, a tearful ending to an emotional trilogy", and the reviewer "test100" on "10-04-2021 19:08" (edited on "10-04-2021 19:46"). It has "EDIT REVIEW" and "DELETE REVIEW" buttons. The second card shows a rating of "8 out of 10", the review text "An incredible end to the trilogy!", and the reviewer "test1" on "10-04-2021 18:50".

*Note: For the purpose of further tests, I wrote more reviews in other movies.*

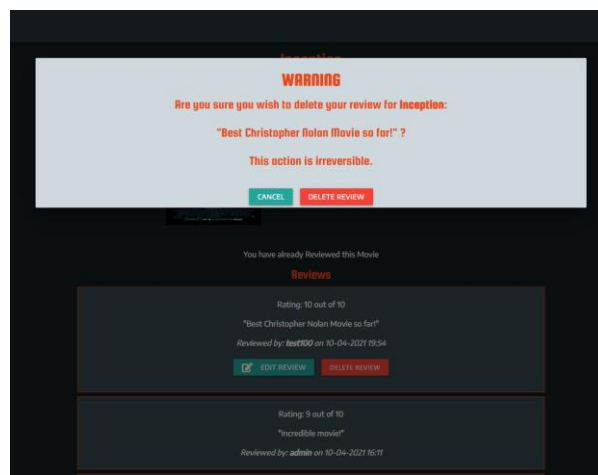
### Deleting a Review from Movie Page and Profile Page

Test – To ensure that deleting a review completely removes it from the database. When clicking the delete button, a warning modal will appear to confirm deletion. This is done from both the Profile Page and the Movie Page.

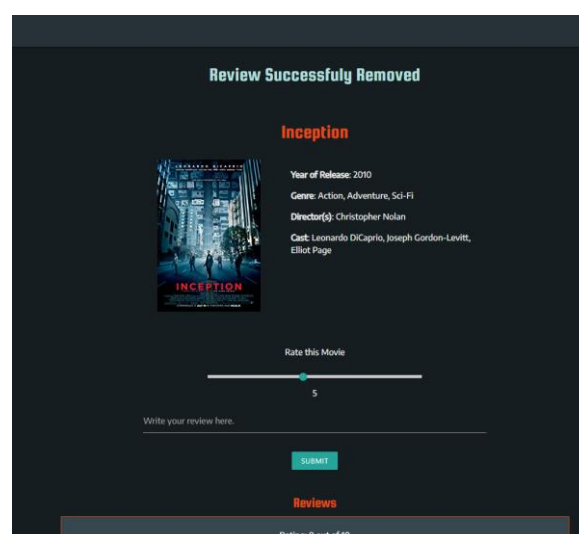
Expected Result – From the Movie page, a warning modal will appear to confirm the removal of the review. From the Profile page, the same modal should appear. Once removal is confirmed, the reviews should be deleted from that movie page and it will allow me to write another one.

Result –

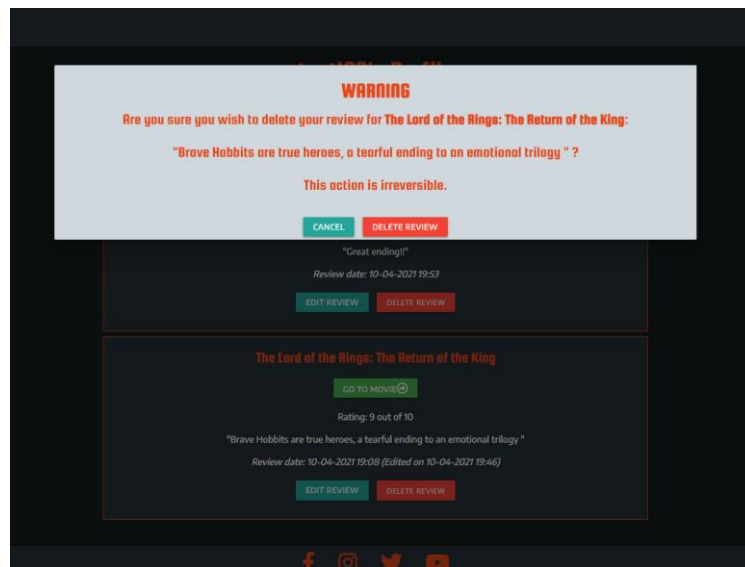
For the movie Inception, when I click the delete review button, the modal appears:



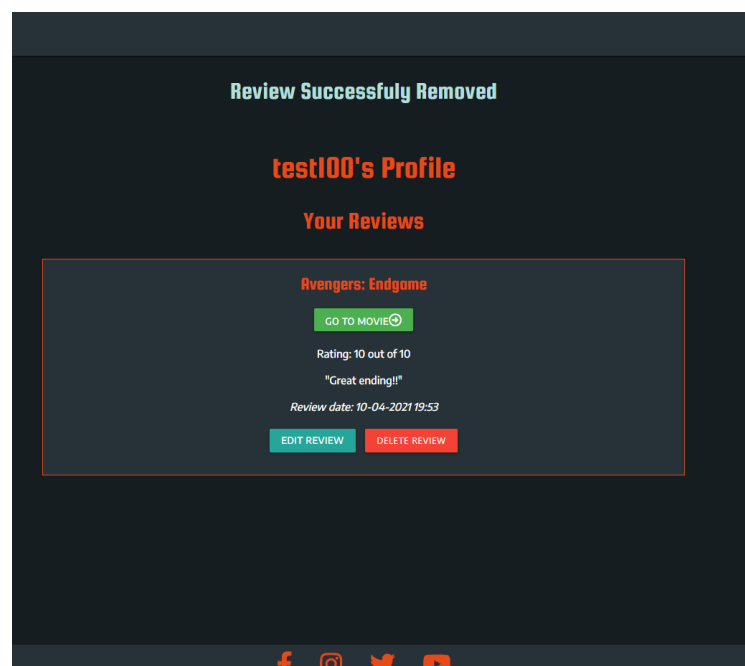
After clicking Delete Review, the page is refreshed with the review completely removed and the ability to write another one.



For the movie Lord of the Rings: Return of the King, from the Profile page, where I click the Delete Review button, the modal will appear to confirm deletion.



The review is now removed and no longer seen on the Profile page or the Movie page.

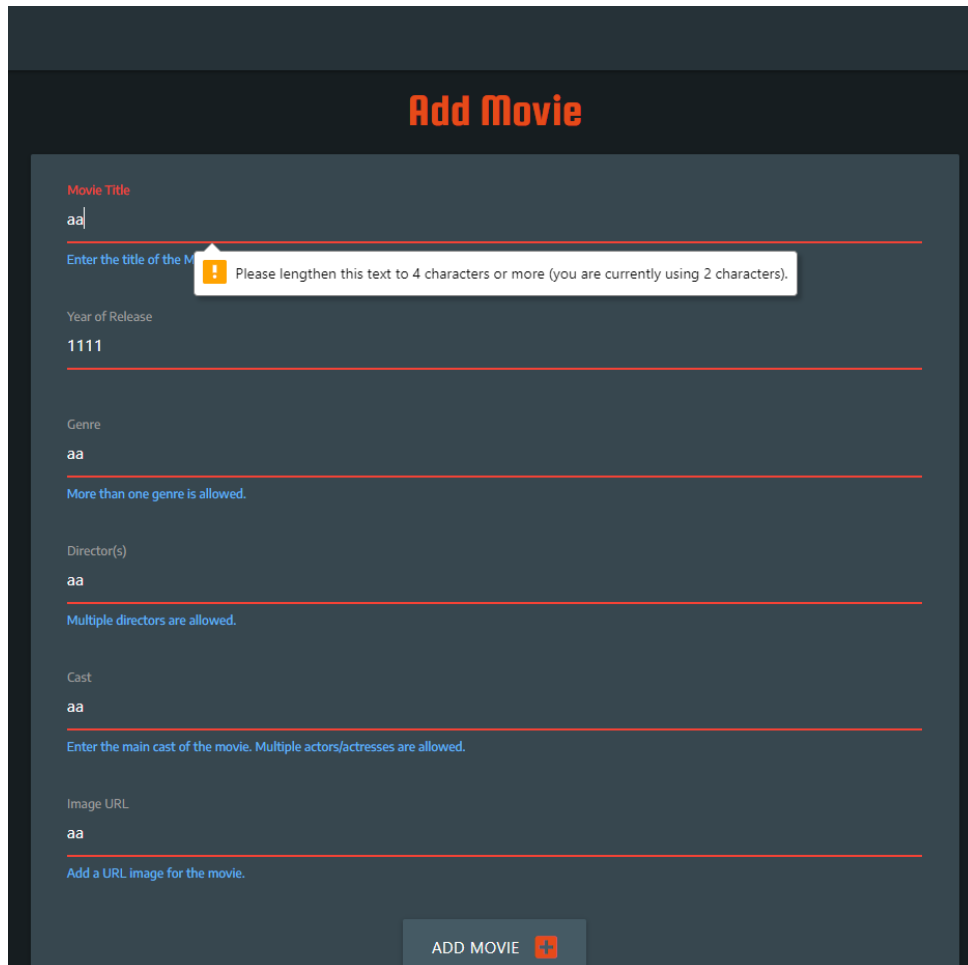


## Admin Access – Adding a Movie

Test – The ability to add a movie as the admin. Ensure all the input fields have validation checks when attempting to add a movie to the database.

Expected Result – all input fields will show the necessary error messages where input values are not accepted. When all fields are inputted correctly, the movie is added to the database.

Result – Errors advising that the attempted input are not accepted. This is working as intended. When adding the movie “The Illusionist”. The movie is successfully added to the database.



The screenshot displays a web form titled "Add Movie" in orange text on a dark background. The form contains several input fields, each with a red underline and an error message below it:

- Movie Title:** The input field contains "aa". The error message is "Enter the title of the M" (partially visible) and a tooltip says "Please lengthen this text to 4 characters or more (you are currently using 2 characters)."
- Year of Release:** The input field contains "1111".
- Genre:** The input field contains "aa". The error message is "More than one genre is allowed."
- Director(s):** The input field contains "aa". The error message is "Multiple directors are allowed."
- Cast:** The input field contains "aa". The error message is "Enter the main cast of the movie. Multiple actors/actresses are allowed."
- Image URL:** The input field contains "aa". The error message is "Add a URL image for the movie."

At the bottom of the form is a button labeled "ADD MOVIE" with an orange plus icon.

MyMovie

Add Movie

Movie Title

The Illusionist

Enter the title of the Movie

Year of Release

2006

Genre

Drama, Fantasy, Mystery

More than one genre is allowed.

Director(s)

aaNeil Burger

Multiple directors are allowed.

Cast

Edward Norton, Jessica Biel, Paul Giamatti

Enter the main cast of the movie. Multiple actors/actresses are allowed.

Image URL

https://m.media-amazon.com/images/M/MV5BY2VkMzZlZDAhNTkzNS00MDIzLWFmOT

Add a URL image for the movie.

ADD MOVIE


MyMovie

Movies

Search Movie, Director, Cast, or Genre

RESET

SEARCH



The Illusionist (2006)

Genre: Drama, Fantasy, Mystery

Director(s): aaNeil Burger

Cast: Edward Norton, Jessica Biel, Paul Giamatti

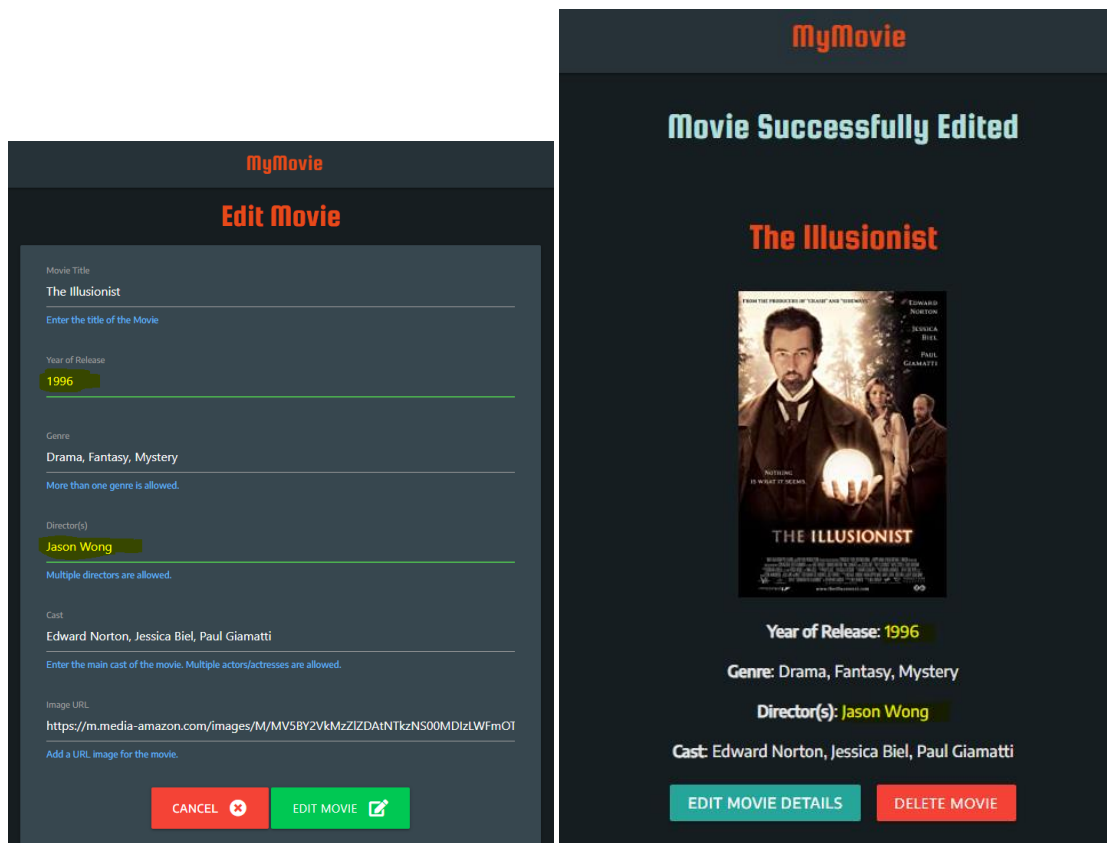


## Admin Access – Edit a Movie

**Test** – To ensure that the admin is able to edit movie information. Here I will change the year to “1996” and the director to “Jason Wong”.

**Expected Result** – After clicking the “EDIT MOVIE” button, it will redirect to the edit movie page. A prefilled form will appear and changes made will be saved. A flash message will appear to advise that the movie has been edited.

**Result** – The flash message appears and the movie information has been successfully edited.

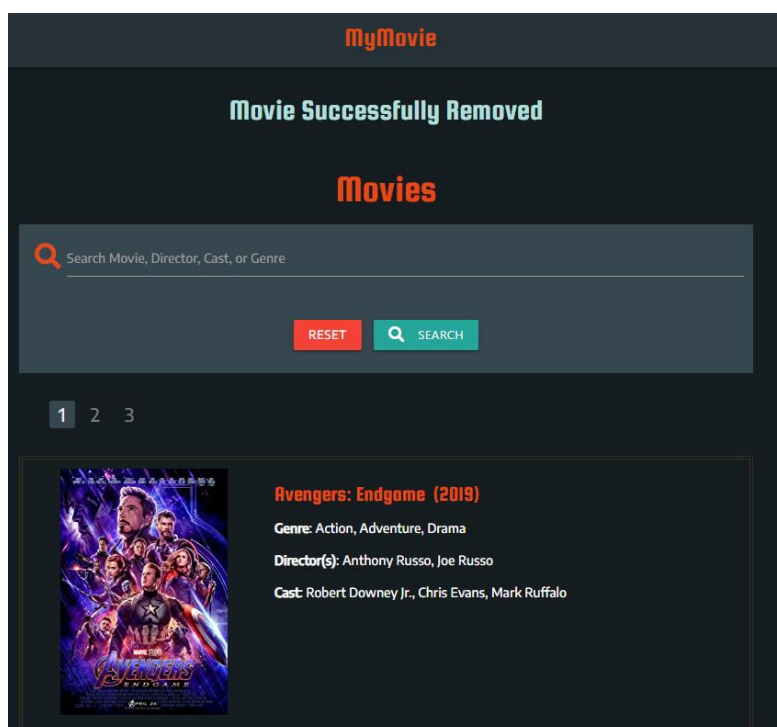
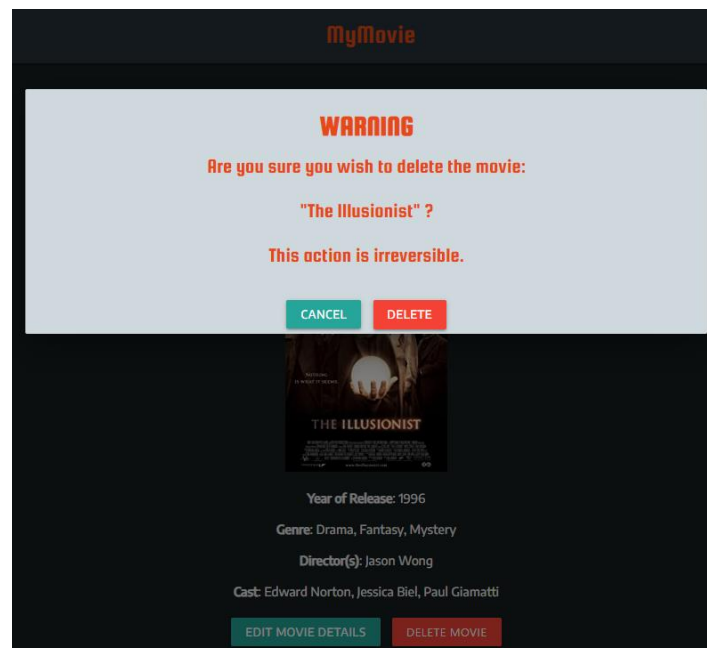


## Admin Access – Deleting a Movie

Test – The admin should have the ability to remove a movie from the database. Here I will attempt to remove the movie “The Illusionist”. Here I will also test the “Cancel” button on the modal.

Expected Result – After clicking the “DELETE MOVIE” button, a modal will appear to confirm the permanent removal of the movie from the database. Once confirmed, the movie is successfully deleted. The cancel button will also close the modal, and the movie remains in the database.

Result – Where the modal appears, clicking cancel closes the modal and the movie is not removed from the database. When I confirmed the deletion, the movie is removed from the database.

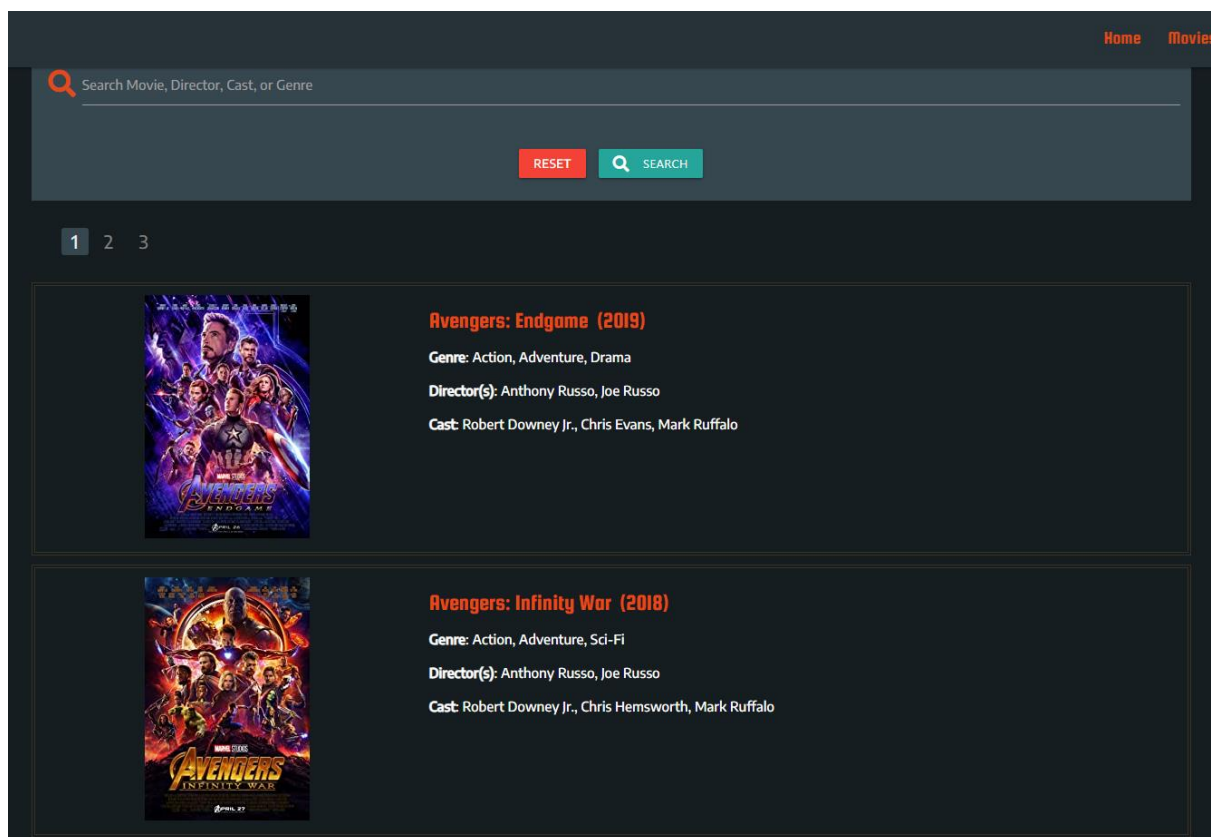
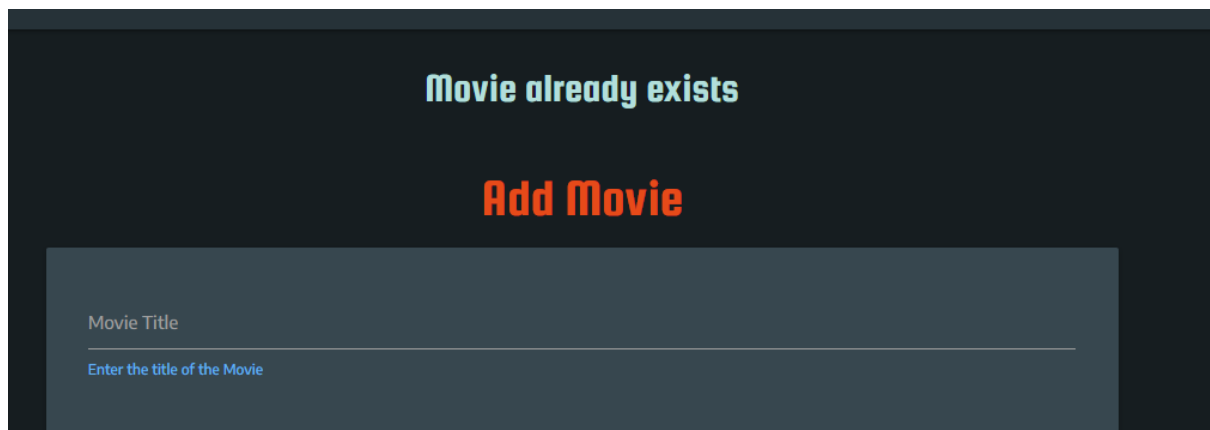


## Admin Access – Adding an Existing Movie

Test – Ensure that the admin is unable to add a movie that already exists. Here the application compares the movie name with those already in the database. If there is a match, it already exists. Here I attempt to add “Avengers: Endgame”.

Expected Result – There will be a message to show that the movie already exists and that a duplicate is not added onto the database.

Result – The error message appears to notify that the movie already exists and the movie is not added as a duplicate onto the database.

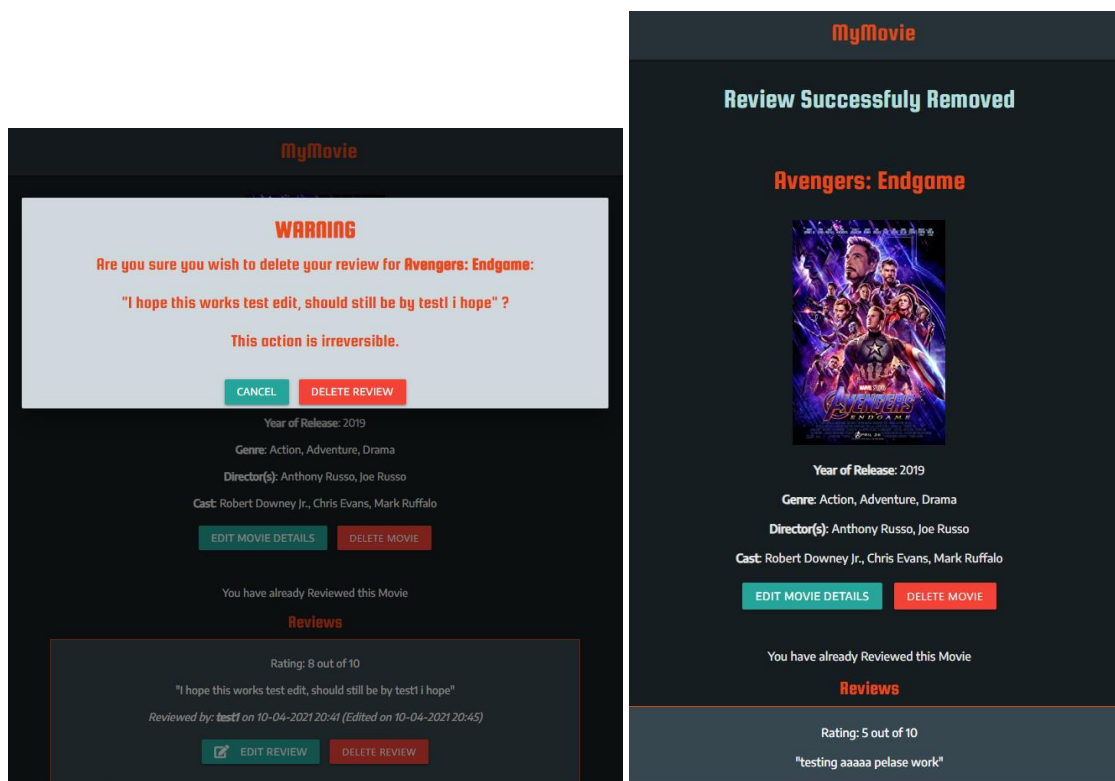


## Admin Access – Deleting a Review by other Users

**Test** – The admin should have the ability to remove a review from the database. Here I will attempt to remove a review that was created by a user other than the admin. Here I will delete a review by the user “test1”.

**Expected Result** – All reviews all through the website should show both the “EDIT REVIEW” and “DELETE REVIEW” buttons. The modal will show the details of the review in question as to not confuse the admin.

**Result** – Where the modal appears, clicking cancel closes the modal and the review is not removed from the database. When I confirmed the deletion, the review is removed from the database with a flash message to advise successful removal.



## Admin Access – Editing a Review by other Users

**Test** – The admin should have the ability to edit a review written by another user. Here I will attempt to edit a review that was created by a user other than the admin. Here I will edit a review by the user “test100”.

**Expected Result** – The review is successfully changed by the admin. Once done, the by\_user value should not change. I.e, this review should still show it was reviewed by “test100”. The edit date will also be added.

**Result** – The review contents are changed and the “Reviewed By” is not changed from “test100”. An edit date is now shown as well as the flash message for successful review edit.

The image shows three screenshots of the MyMovie app interface. The first screenshot shows the movie details for 'Avengers: Endgame' with a rating of 10 out of 10 and a review by 'test100' dated 10-04-2021 21:26. The second screenshot shows the 'Rate this Movie' slider set to 3, with a message indicating the review has been edited by the admin. The third screenshot shows the 'Review Successfully Edited' message, with the rating changed to 3 out of 10 and the review text updated to 'I love this movie, but my review has been edited by the admin'. The review is now attributed to 'test100' and includes an edit date of 10-04-2021 21:38. Below this, another review by 'admin' is shown with a rating of 5 out of 10 and the text 'testing aaaaa pelase workssssssss'.

**MyMovie**

**Avengers: Endgame**

Year of Release: 2019  
Genre: Action, Adventure, Drama  
Director(s): Anthony Russo, Joe Russo  
Cast: Robert Downey Jr., Chris Evans, Mark Ruffalo

You have already Reviewed this Movie

**Reviews**

Rating: 10 out of 10  
"I love this movie, but my review will be deleted"  
Reviewed by: test100 on 10-04-2021 21:26  
[EDIT REVIEW] [DELETE REVIEW]

**MyMovie**

**Avengers: Endgame**

Rate this Movie

3

I love this movie, but my review has been edited by the admin

[CANCEL] [SUBMIT]

**Review Successfully Edited**

**Avengers: Endgame**

Year of Release: 2019  
Genre: Action, Adventure, Drama  
Director(s): Anthony Russo, Joe Russo  
Cast: Robert Downey Jr., Chris Evans, Mark Ruffalo  
[EDIT MOVIE DETAILS] [DELETE MOVIE]

You have already Reviewed this Movie

**Reviews**

Rating: 3 out of 10  
"I love this movie, but my review has been edited by the admin"  
Reviewed by: test100 on 10-04-2021 21:26 (Edited on 10-04-2021 21:38)  
[EDIT REVIEW] [DELETE REVIEW]

Rating: 5 out of 10  
"testing aaaaa pelase workssssssss"  
Reviewed by: admin on 10-04-2021 20:37 (Edited on 10-04-2021 21:37)  
[EDIT REVIEW] [DELETE REVIEW]

## Custom Error Pages

Test – Some pages are only available to the admin such as the Add Movie and Edit Movie pages. I also attempt to access other user's profile pages. Here I will log out and try to access these pages as an unregistered user.

Expected Result – A custom error page will appear and a link to redirect back to the home page will be available and working.

Result – Custom error pages are shown when trying to access pages that are not authorised. A link is provided to redirect back to the home page which works as intended.

