

# QA Task

Author: Katerina Denysova

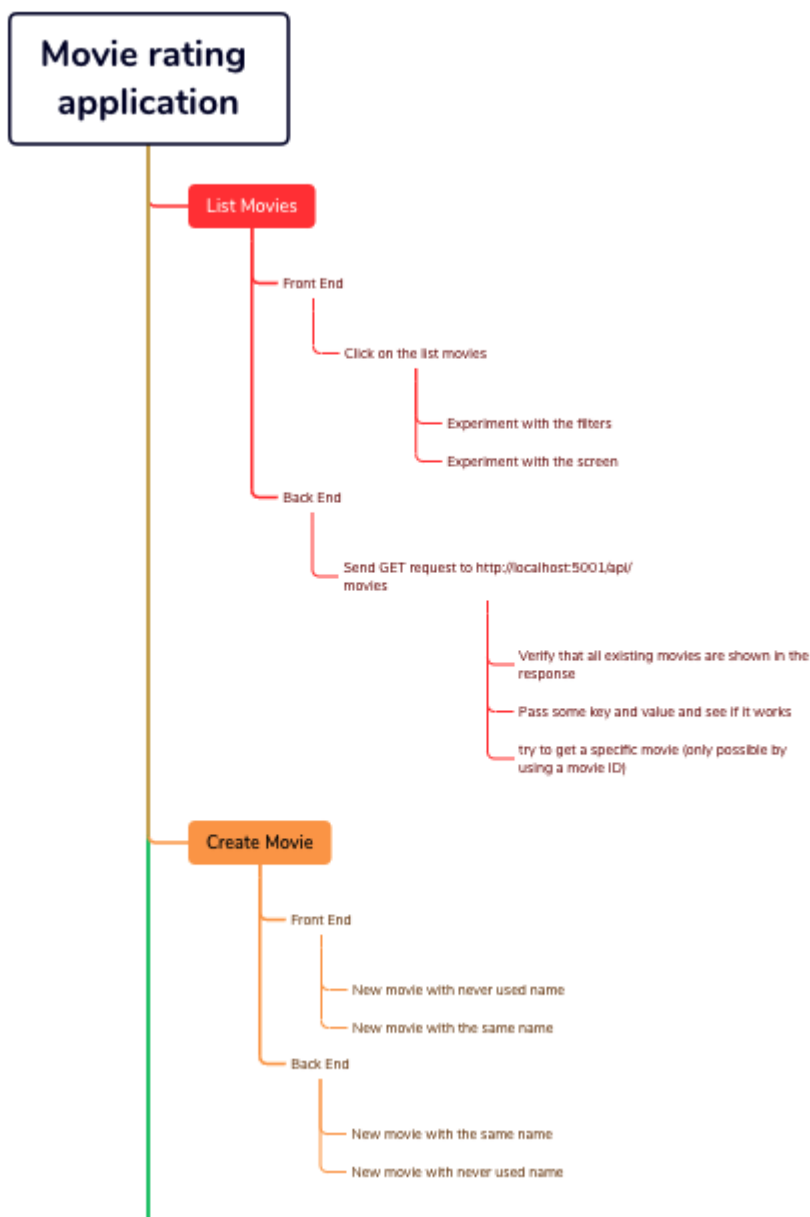
## Table of Contents

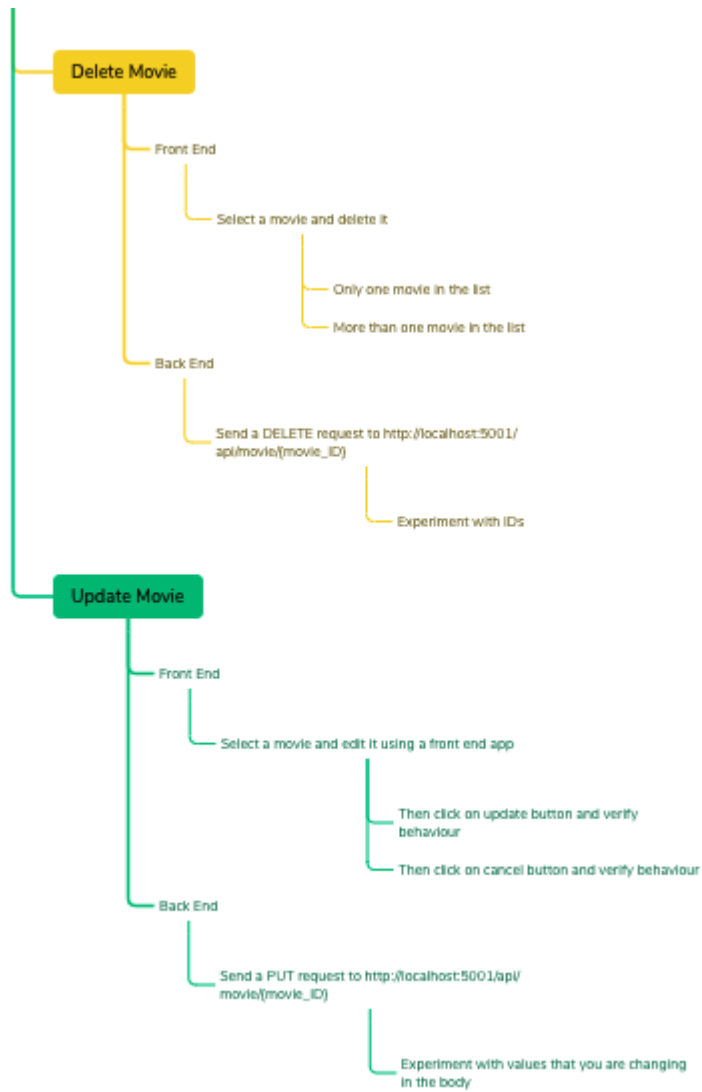
1. [Exploratory testing plan](#)
2. [Defect Report](#)
3. [Suggestions for New Functionality](#)

## 1. Exploratory testing plan

This is a testing technique I always start with, it is more informal than a formal type of testing. I would explore the application more and more. I would design test cases and simultaneously execute them as well. The benefit of this is that it takes minimum planning and gives the maximum time for execution. It is a time-saving testing approach.

Exploratory testing is good when you do not have a requirement document or few documents available, that is what I did not have for this task. It encourages creativity and intuition. New ideas come out actually during test execution itself.



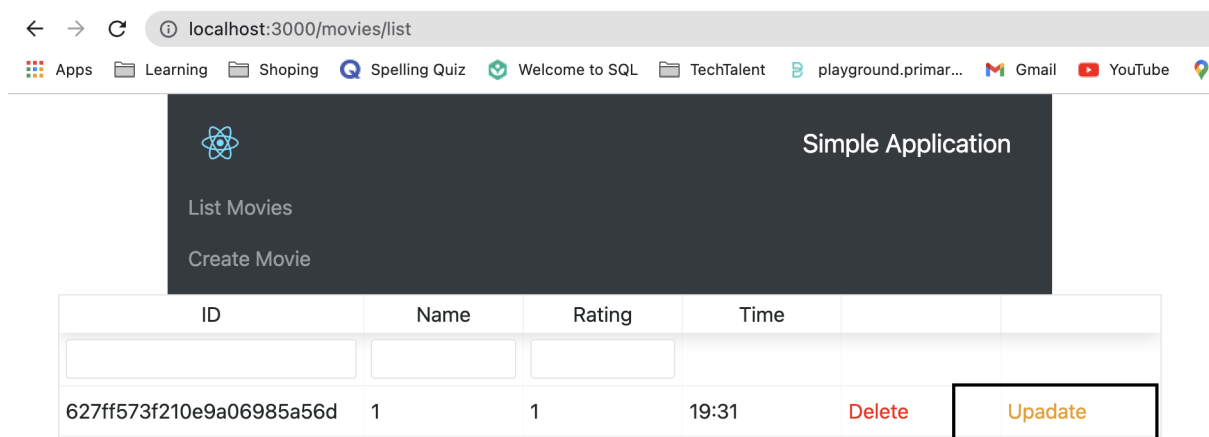


## 2. Defect Report

### Bug No. 01

<b>Test Name</b>	<b>Spelling Error</b>
Description	Navigate to the front end app and click on list movies. Note: you should have at least one created movie. On the end right column you can see a spelling error for the "UPDATE"
Actual Result	Update, see screenshot No.1
Expected/Suggested result	Update

#### Screenshot No.1




### Bug No. 02

<b>Test Name</b>	<b>Same name movie could be created</b>
Description	Navigate to the front end app and create a movie with an existing name, change the rating/or do not
Actual Result	It is possible to create a movie with an already existing name which will lead to the customer confusion. See screenshot No.2
Expected/Suggested result	It should not be possible to create a movie with an already existing name.

#### Screenshot No.2

← → ↻ localhost:3000/movies/list

Apps Learning Shopping Spelling Quiz Welcome to SQL TechTalent playground.primar... Gmail YouTube


**Simple Application**

List Movies  
Create Movie

ID	Name	Rating	Time		
	1				
627ff573f210e9a06985a56d	1	1	19:31	Delete	Update
627ff986f210e9e4a585a573	1	8	19:48	Delete	Update

Previous Page 1 of 1 10 rows Next


### Bug No. 03

Test Name	No validation to the format of name and time
Description	Create a new movie by using some symbols, numbers etc. for the name and time fields.
Actual Result	No warnings to the format and the user can proceed with the movie creation. See screenshot No.3
Expected/Suggested result	The response status <b>should be 200 OK or 201 Created</b>

### Screenshot No.3

← → ↻ localhost:3000/movies/create

Apps Learning Shopping Spelling Quiz Welcome to SQL TechTalent


**Simple Application**

localhost:3000 says  
Movie inserted successfully  
OK

## Create Movie

Name:  
.....>>?????????????//

Rating:  
7

Time:  
{{{{{{{{{{MVNGSKGGEWHRTWHEYTJHTYJEYT

Add Movie Cancel

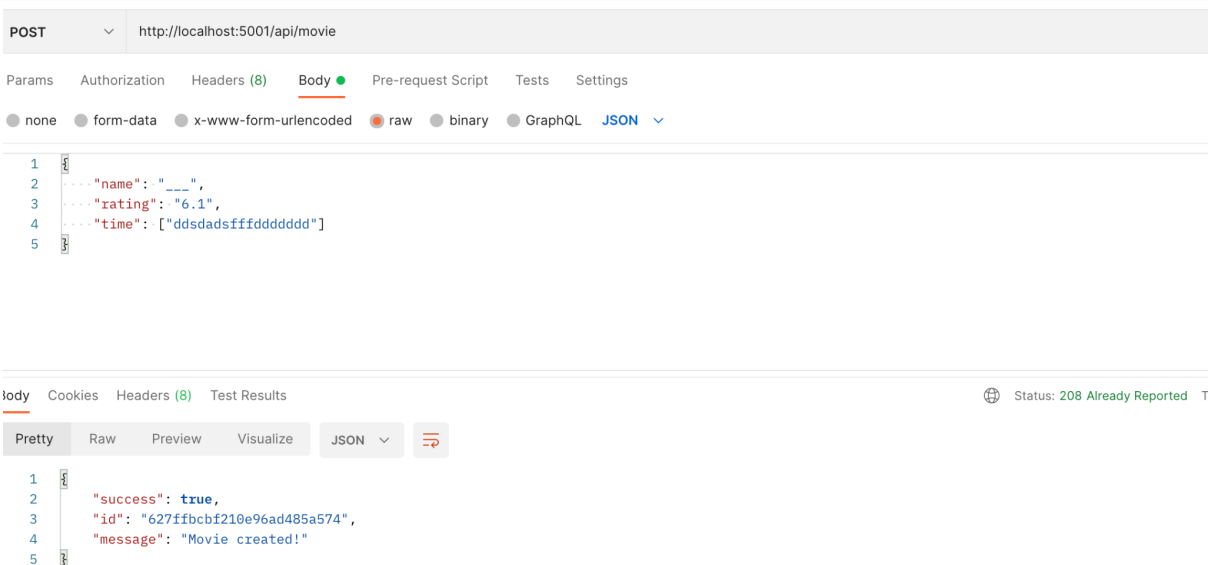
### Bug No. 04

Test Name	Create a new movie with a not used name
Description	Send a POST request using a backend to create a new movie with any name
Actual Result	The response status is "208 Already Reported" which is not correct, see screenshot No.4

Expected/Suggested result	The response status should be 200 OK or 201 Created
---------------------------	---

## Screenshot No.4

http://localhost:5001/api/movie



POST http://localhost:5001/api/movie

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1 {
2   "name": "___",
3   "rating": "6.1",
4   "time": ["ddsdadsffddddd"]
5 }

```

body Cookies Headers (8) Test Results Status: 208 Already Reported

Pretty Raw Preview Visualize JSON

```

1 {
2   "success": true,
3   "id": "627ffbcbf210e96ad485a574",
4   "message": "Movie created!"
5 }

```

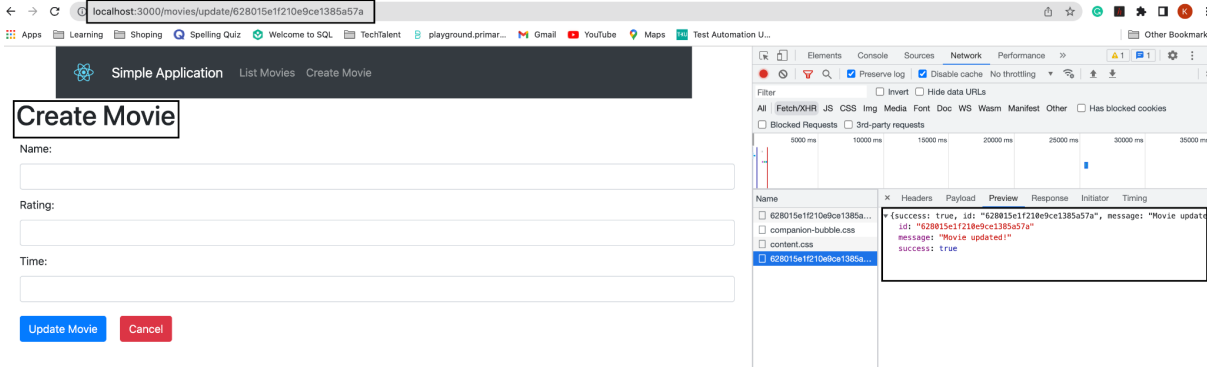
## Bug No. 05

Test Name	Randon sorting when clicking on the empty space
Description	Navigate to the front end app and click on the list movies then in the presented table click on the empty boxes
Actual Result	Random sorting is shown, see a video recording No.001
Expected/Suggested result	Nothing should be happening

## Bug No. 06

Test Name	After updating a movie it returns a create new movie screen
Description	Navigate to the front end app and click on the edit movie, change something and procced then you will see a screen with create a movie, but the URL shows that you are on update screen
Actual Result	After successful update of the movie not right screen is shown as well as URL: <a href="http://localhost:3000/movies/update/628015e1f210e9ce1385a57a">http://localhost:3000/movies/update/628015e1f210e9ce1385a57a</a> See screenshot No.5
Expected/Suggested result	After successful message user should be taken to the main list where they started or to be shown the changed movie

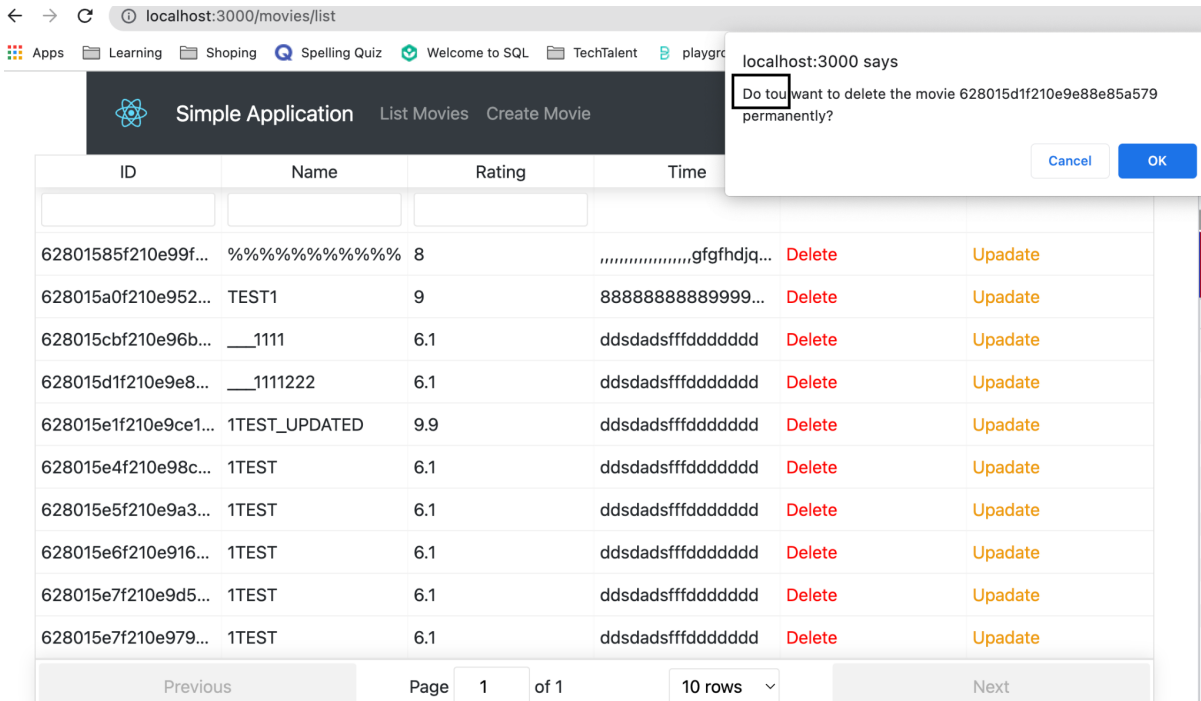
## Screenshot No.5



## Bug No. 07

Test Name	Spelling error when deleting a movie
Description	Navigate to the front end app and click on list movies then click on the DELETE button for any movie
Actual Result	The pop-up box has a spelling error, see screenshot No.6
Expected/Suggested result	The pop-up should not have any spelling errors

## Screenshot No.6



## Bug No. 08

Test Name	Deleting is not deleting a selected movie
Description	Navigate to the front end app and click on list movies (make sure

	you have more than 1 movie) then click on DELETE button for any movie after the pop-up message you can see that the incorrect movie was deleted
Actual Result	Incorrect movie was deleted
Expected/Suggested result	Only selected movie should be deleted.

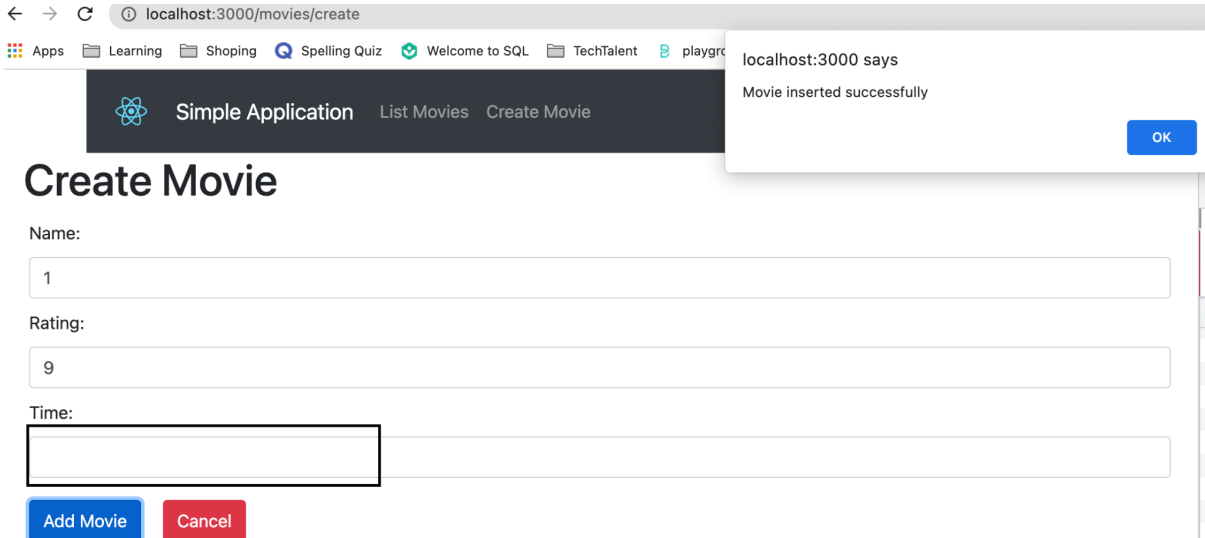
### Bug No. 09

<b>Test Name</b>	<b>Create a movie with an empty field</b>
Description	Navigate to the front end app and click on create a new movie, then leave an empty field for the name or rating
Actual Result	Validator Error is missing, there are no messages saying what is required
Expected/Suggested result	It should be a popup window with the message what field is required

### Bug No. 10

<b>Test Name</b>	<b>Create a movie with an empty time field</b>
Description	Navigate to the front end app and click on create a new movie, then leave an empty field for the time
Actual Result	It is possible to create a movie with an empty time field. See screenshot No.7
Expected/Suggested result	It might be a requirement to have a time field to be a mandatory field

### Screenshot No.7



← → ↻ localhost:3000/movies/create

Apps Learning Shopping Spelling Quiz Welcome to SQL TechTalent playgro

Simple Application List Movies Create Movie

## Create Movie

Name:

Rating:

Time:

Add Movie Cancel

localhost:3000 says  
Movie inserted successfully

OK



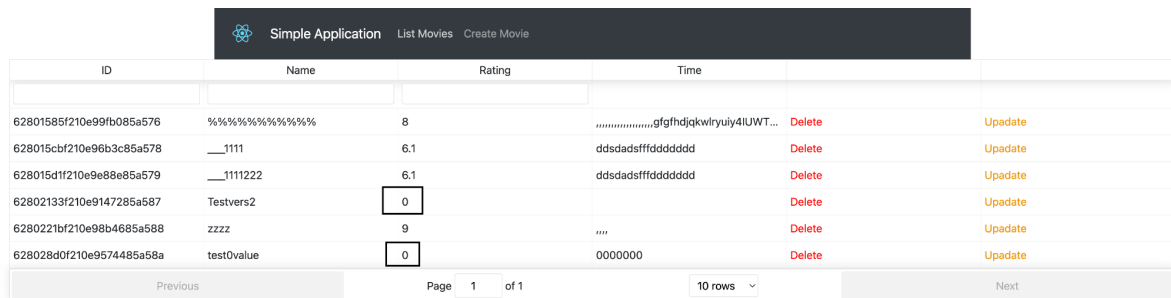
## Bug No. 11

<b>Test Name</b>	<b>Search fields are case sensitive</b>
<b>Description</b>	Navigate to the front end app and click on list movies
<b>Actual Result</b>	Even though the search fields are working, they are a case sensitive which could be a problem for the user that is searching for the specific movie as they might not know if the lower or upper case was used
<b>Expected/Suggested result</b>	The search functionality could be improved by reducing case-sensitivity and allow to search by any word in the name

## Bug No. 12

<b>Test Name</b>	<b>Create a movie with a 0 rating</b>
<b>Description</b>	Navigate to the front end app and click on create a movie, type 0 in the rating field
<b>Actual Result</b>	It is possible to create a movie with a 0 rating, see screenshot No.8
<b>Expected/Suggested result</b>	I would recommend not to allow 0 rating value as it will not show the real rating score

## Screenshot No.8



ID	Name	Rating	Time		
62801585f210e99fb085a576	%%%%%%%%%	8	gfgfhjdjkwlruiy4IUWT...	Delete	Update
628015cbf210e96b3c85a578	__1111	6.1	ddsdadsfffdadddddd	Delete	Update
628015d1f210e9e8e85a579	__1111222	6.1	ddsdadsfffdadddddd	Delete	Update
62802133f210e9147285a587	Testvers2	0		Delete	Update
6280221bf210e98b4685a588	zzzz	9	...	Delete	Update
628028d0f210e9574485a58a	testOvalue	0	0000000	Delete	Update

Previous Page 1 of 1 10 rows Next

## Bug No. 13

<b>Test Name</b>	<b>No error message when typing a “-”, “.” or “+” in rating</b>
<b>Description</b>	Navigate to the front end app and click on create a movie, type - in the rating field -, + or .
<b>Actual Result</b>	It is not possible to create a movie but no messages are shown to let the user know
<b>Expected/Suggested result</b>	A warning message should be shown that the user will be aware of what is happening

**Bug No. 14**

Test Name	<b>DELETE movie using an API service</b>
Description	Send a DELETE request to the endpoint with any ID, click on send
Actual Result	Every time you will click send it will delete a movie, even though the ID that you are passing is not matching.
Expected/Suggested result	The user should be only allowed to delete a specific movie from the list whose ID is matching also the message response requires improvements

For the automation I chose to use Cypress framework with TypeScript, bellow I will try to explain why:

1. Travel in time - see the command logs where you can go back and verify what actually happened on a specific step.
2. Real-time reloads - automatically trigger the run when you save your tests
3. Automatic waiting - waits for automation to be completed, DOM to be loaded and elements to be visible
4. Screenshots & videos - do not need additional libraries or plug-ins
5. Network traffic control - stop network however you want
6. Spies, Stubs, and Clocks - you can force some specific things to fail and test it
7. Debuggability - very flexible with debugging
8. Easy to set up and has lots of documentation.

### 3. Suggestions for New Functionality

I have selected a DELETE feature, it is a very crucial functionality that we want to make sure is working as expected.

My findings were specified in the Defect Report but nevertheless, I want to highlight what could be improved there:

1. DELETE functionality should be available only for people who have the rights to delete movies (as an idea we should create permissions assess where the only users with the specific token can perform delete actions).
2. DELETE should only be applicable for a movie with the specified ID