BRAINSTER

Workshop 19: JavaScript - Exercise

Brainster Web Development Academy

Table of contents

Intro

For this week's workshop, you will need to work on an exercise where you can implement everything that you have learned about JavaScript so far.

01

There are starter files with a setup created for you.

- All the movies info can be found in the list.js file in the db folder.

❑ There are 3 main pages that should be shown:

  - Login-page
  - Home-page
  - Movies-Details page

❑ You can find all of these in the starter html file. Note that these are all display:none; at first so that’s why you are not seeing them. All of these pages will be handled with the location.hash function from the browser.

- The first time a user comes to your page, you should show the Login-page.

- When a user is logged in, you should always show the Home-page.

01

- When a user clicks on each of the movies, you should show a Movies-Detail page for that specific movie.

- You shouldn’t show the log-out button in the header when you are not logged in, or in other words, when you are on the Login-page.

- You shouldn’t show the search form when you are on the Login-page nor when you are on the Movies-Detail page.

❏ A user can also search for movies on the search bar up-top and it should work when you search by title, year or a genre and it should work simultaneously with typing into the search input.

❏ You should follow these steps in order to complete the exercise:

- Comment out the display:none from the section selector in css in order to first see the login-page. (we will come back to this later)

01

- We will handle the login functionality via localStorage, meaning: we will save a true value when a user is logged in and we will remove that value when a user is logged out.
    - Make an onLogin function at call that function on submit on the loginForm. Inside of it check if the user has filled in the two inputs for username and password.
    - Only then set a true value in localStorage for a user-login.
- Now go back to your css and uncomment that display:none from the sections so you don’t see the sections again.
- We will use the location.hash for all the routing.
    - The homepage route will be an empty string ' ' of location.hash.
    - The login page route will be a '#login' string.

01

- Make a handleRoute function to handle all the routing and call that function on window load and on window hashchange. Inside of it you have to check the multiple cases for the location.hash string. That's why we will use the switch conditional.
    - When a user is not logged in (you know that from localStorage now, so pull the value from there - if it doesn't exists) set the location.hash string to '#login' outside the switch conditional.
    - Be sure to select all the pages, the log-out button and the search-form outside of this function.
    - Now make a switch conditional to check for all the location.hash cases.
        - The first case is the '#login' case. Inside of it there are two options. Either the user is logged in or is not so check if the user is logged inside the case (with localStorage) and if he is, set the location.hash string to ' ' (empty strings). If he isn't then use the display property via javaScript to set display:block to the loginPage and set display:none to every other page and every other button.

01

        - The second case is the homepage - empty strings ' '. When a user is on this route, use the display property to set display:block to the homepage, the logout button and the search-form. And use the display:none property to hide the loginPage.

        - Set the default case in the switch conditional of the location hash to empty strings.

- Now that we have access to the homepage, we have access to the logout button.

    - Make a onLogout function which will do 2 things:

        - Remove the true value from localStorage (meaning the user is not logged in now).

        - Set the location.hash string to lead to the login-page - '#login '.

        - Call the function on clicking on the logout-button.

01

- On the homepage you should render all the movies. You have the movie skeleton in the starter files.
    - Make a drawMovie function which will make the movie-card elements and return the movie-card.
    - Iterate through the movieList array and use the drawMovie function to show each of the movies on the homepage (append).
- Clicking on every movie should lead to the movie-details page for that movie.
    - Inside the drawMovie function add an event-listener to the movie card which on click should set the location.hash string to '#moviedetails/*the-movie-id* '
    - Now we have another route to handle inside the handleRoute function. Because we can’t set a route for each movie, check if in the location.hash string a moviedetails string is present and if it is, save a variable for the hash to moviedetails.

01

  - add another case in the switch conditional for 'moviedetails' and use the display property to hide the homePage, loginPage, searchForm and still show the logout-button. Also update the existing cases to not show the movie-details page when you are on them (the login-page and the homepage).

  - Now we have to find out which movie is clicked. All of the movies have ids and we are setting the location.hash string on click with the movie id. Get the id from the location.hash string and use the find method to find that particular movie from the movieList array.

  - Create a card for that movie using the drawMovie function and append it to the movieDetails page.

- On the homepage you also have access to the search-form. Make the search form work on keyup, using the filter method by searching through the titles, years and genres of the movies.

01

- On the homepage you also have access to the logo. Clicking on the logo should always lead to the homepage, even though there is something else shown.
    - make a goHome function which will always set the location.hash string to empty strings.
    - If there is a value inside the search-form-input, clear that too.
    - If there is something else shown, clear the homepage and render the movies again like you've done before in the previous steps.

Break a leg!

If there is not enough time, try to finish the exercises at home.