

COMP4513 Review Lab Instructions

This lab will refresh your JavaScript knowledge. Since there are no scheduled lab, you will have to show me your work on your laptop in my office by January 15.

Using a web browser, visit:

<https://github.com/mru-comp4513-archive/comp4513-w2020-reviewLab>

You can download the starting files as a zip or use git to clone the repo. We will be using git and github a fair bit this semester so you might as well get used to using git.

You have been provided with the HTML skeleton that's a variation of the ever-popular TODO list. In this case it is a list of movies and the user will be constructing a list of favorite movies from the larger list. Your page must implement the following capabilities using JavaScript.

1. Hide the `<div>` with `id=selector`. The easiest way to do this is to add the helper CSS class "is-hidden" to this element using `classList.add()`.
2. Use JavaScript `fetch()` to retrieve a JSON list of movies from:

<http://www.randyconnolly.com/funwebdev/3rd/api/movie/movies.php>

You may want to examine this JSON in a browser first. There should be 65 movies. There's a fair bit of data for each movie, but you are only interested in three fields: `id`, `title`, `poster`.

3. When the data is received,
 - a. Hide the `<div>` containing the loader gif.
 - b. Unhide the `<div>` with `id=selector`. The easiest way to do this is to remove the helper CSS class "is-hidden" from this element using `classList.remove()`.
 - c. Sort the received data on title.
 - d. Populate the `<select>` with a list of movie titles. Set the value attribute of each `<option>` to the movie id.
 - e. Add event handler for the click event of the Add button. This handler must do the following tasks **only** if the value of the selected movie is greater than zero:
 - i. Find the selected movie id in the already-fetched list of movies.
 - ii. Add the selected movie's poster image and title to `<ul id="favorites">`. Your sample HTML shows the required markup. You must use the appropriate DOM code (e.g., `createElement`, `setAttribute`, `appendChild`). For the `<p>` elements, you can use `textContent` property.
 - f. Add event handler for the click event of the Clear button. This can simply set the `innerHTML` property of the list to "".

