Readme:

When creating the website I was unsure whether I should use a global variable for the parsed data, or create local variables inside my separate functions for the data. I did some research and it seemed that avoiding global variables was the most common advice, so I went with the multiple local variable approach.

To answer part 1, I read the JSON file, and then created dropdowns for each category. I then created blank arrays, and if the value for let’s say countries was not in the country array, it would be added, otherwise skipped. This ensured no duplication. Then, I sorted the arrays, and added the values to the dropdowns. This is in my displayJSON() function. For the submit functionality, I added onclick functionality to an image.

For part 2, when the user clicks the submit image, my showtable() function is called, which creates the table and columns, and uses for loops to extract the info for each prize won. These values are then added to the table which is printed. My genderFunction() searches for a hidden gender function in the tr, and if it’s male, and the male radio button is ticked, then it is displayed, and female will be hidden.

For part 3, I use my idFunction() to search for an id, which is passed when the button is clicked and equal to the id of the person on that row. The details are then extracted, with all prize information for that person shown on a modal.

As for error handling, if the JSON can’t be read, or year to and year from aren’t set, or year from is higher than year to, or a result can’t be found, alerts are shown to the user.

References:

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Slideshow:

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Down arrow animation:

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Links to section of a page:

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<https://jsbin.com/fulocomu/1/edit?css,output>

Icon packs:

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Add JSON to dropdown:

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.includes for an array:

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Modal:

<https://www.w3schools.com/w3css/tryit.asp?filename=tryw3css_modal4>

Validate dropdown.values:

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Table CSS:

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TH and TR widths:

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Search tr td in table:

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<https://stackoverflow.com/questions/42451865/how-do-i-iterate-through-each-td-and-tr-in-a-table-using-javascript-or-jquery>

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Radio button checked:

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<https://stackoverflow.com/questions/1423777/how-can-i-check-whether-a-radio-button-is-selected-with-javascript>

Get id onclick:

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Sort numbers:

<https://stackoverflow.com/questions/1063007/how-to-sort-an-array-of-integers-correctly>

Music:

Royalty free Dvorak song from Youtube

<https://www.youtube.com/watch?v=8kLudZ2QUZ4>

Nobel coin image:

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XML error:

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<http://cdn1.spiegel.de/images/image-1347010-1200_amp_4x3-jfyb-1347010.jpg>

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