**INTERACTIVE GLOSSARY OF JAVASCRIPT TERMINOLOGY PSEUDOCODE**

Keys: *term, class, definition, tags*

Variables: *glossary*

**First Step:**

Iterate through all the data and for each item generate some HTML from it.

Create a variable

Loop through each item using foreach()

Print out

Some HTML?

**Second Step:**

Add search functionality!

Add an input at the top of the page and a button. When you click the button, show all related definitions (use whatever the user typed in to show relevant results).

***Bonus:*** Make this happen whenever the user presses a key!

Create an Input Box with a prompt call

Create a Search button that finds all matching definitions to the searched keyword

**Third Step:**

Add filter functionality!

At the top of the page, add a drop-down menu with all the class names. When the user selects one of those classes, show all the terms from that particular class.

***Bonus:*** Make the search and filter functionality work together!

Create a Drop Down Menu of class names

Create a Search button that finds all matching classes to the selected class

**Fourth Step:**

Add tag functionality!

At the top of the page, have checkboxes that have the tags stored in them. When the user clicks the tags, show all relevant terms.

***Bonus:*** Make the search, filter and tag functionality work together.

Create a Checkboxes of the tags

Create a Search button that finds all matching tags to the selected tags b

**FIrst Step**

Create a function like that one we did that can output a list of glossary items.

-- Iterate through items

-- Make HTML or element(s)

-- append HTML or element(s) to page

**Second Step**

When search button is clicked (event listener)

-- get the value of from the input box (Hint, `querySelector`, `.value` could be useful)

-- use `.filter` to filter the glossary array to only something that matches the search. Here you could do an exact match, or maybe you want to do a `startsWith`

-- clear any previous results

-- take the filtered array and use the function from step one to output just those items

**Third Step**

When the select dropdown is activated (Hint: Use `'change'` event instead of `'click'`

-- take the value from the select dropdown

-- Filter the glossary array using this value

-- clear any previous results

-- use the function from step one to output the results

**Fourth Step**

Generate a list of tags, either using JavaScript, or manually.

Output the tags on the page using checkboxes.

Add a click handler to each checkbox, either using event delegation, or by adding a click handler to each checkbox

When the checkbox is clicked

-- filter the glossary array by finding only the elements that have that tag

-- output those as above

You don't need to make multiple checkboxes work.Any individual step on that list should be possible to do with what we have currently, but each one will take some work, of course, like figuring out how each .filter function should work. Please message me with any questions.