W4D3 - Dom Manipulation

Start Assignment

Due Tuesday by 11:59pm   **Points** 100   **Submitting** a website url

---

DOM Manipulation

Can you really *manipulate* The DOM though?

Yea I didn't think so... Thankfully we're not talking about *that* Dom.

Today we're going to be practicing DOM manipulation and event handling.

⮧ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#learning-objectives)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#learning-objectives) Learning Objectives

- DOM Manipulation
- Event Handling

⮧ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#resources)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#resources) Resources

This DOM Gist ⮧ [(https://gist.github.com/thegitfather/9c9f1a927cd57df14a59c268f118ce86)](https://gist.github.com/thegitfather/9c9f1a927cd57df14a59c268f118ce86) has a helpful section on DOM querying and creation

⮧ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#setup)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#setup) Setup

You're provided a basic website with included `index.html`, `style.css`, and `script.js` plus a new file type called a TTF File for fonts. All of your work will go in `script.js` - you shouldn't have to edit `index.html` or `style.css`. Please create individual functions for each solution. Don't forget to **call** the function once you're finished. All of the files you need can be accessed by navigating to your hw folder in your terminal and running the following commands one by one.

⮕ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#enter-your-software_homeworkunit_1-directory)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#enter-your-software_homeworkunit_1-directory) Enter your `software_homework/unit_1` directory

```
pwd
```

⮕ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#the-above-command-will-ensure-that-you-check-that-you-are-in-the-correct-folder)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#the-above-command-will-ensure-that-you-check-that-you-are-in-the-correct-folder) The above command will ensure that you check that you are in the correct folder

```
git clone https://github.com/JoshuaMillerCode/dom-manipulation-starter.git ./manipulate-the-dom
```

⮕ [(https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#this-command-will-copy-my-starter-code-from-github-enterprise-that-is-at-httpsgithubcomarthurbernierjrnative-dom-manipulation-labgit-and-put-it-into-a-folder-called-manipulate-the-dom-for-you-you-may-have-to-login-to-github-enterprise-with-your-user-name-and-password)](https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#this-command-will-copy-my-starter-code-from-github-enterprise-that-is-at-httpsgithubcomarthurbernierjrnative-dom-manipulation-labgit-and-put-it-into-a-folder-called-manipulate-the-dom-for-you-you-may-have-to-login-to-github-enterprise-with-your-user-name-and-password) This command will copy my starter code from github that is at https://github.com/JoshuaMillerCode/dom-manipulation-starter and put it into a folder called `manipulate-the-dom` for you,

you may have to login to github with your username and password

```
cd manipulate-the-dom
```

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#this-command-will-change-into-the-manipulate-the-dom-directory-that-we-just-made) This command will change into the manipulate-the-dom directory that we just made

```
git remote remove origin
```

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#this-command-will-remove-the-connection-between-my-repository-and-your-folder-this-will-allow-you-to-go-to-githubcomnew-and-create-a-blank-repo-and-add-that-blank-repo-as-your-new-origin-with-git-remote-add-origin-linktorepohere-then-you-can-git-add--a-and-git-commit--m-message-and-git-push-origin-master-as-needed) This command will remove the connection between my repository and your folder. This will allow you to go to `github.com/new` and create a blank repo, and add that blank repo as your new origin with `git remote add origin LINKTOREPOHERE`, then you can `git add -A` and `git commit -m "message"` and `git push origin master` as needed.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#completion) Completion

Give it your best shot!

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#accessing-dom-elements-querying) Accessing DOM Elements (Querying)

Let's start with some simple query selecting.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-1) Part 1

DOM's personal website title is a bit wordy. Write a JavaScript statement that selects the `#main-title` ID element. Remember there are a couple of ways to query **id**. Change the **text** of the title to something shorter.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-2) Part 2

Select the `body` and change the background-color to a new color of your choice.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-3) Part 3

Select **DOM's Favorite Things** list and remove the last list item.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-4) Part 4

Select all `.special-title` class elements and change their `font-size` to `2rem`. Remember you might have to iterate through the list of elements

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-5) Part 5

Turns out DOM never raced in **Chicago**. Access the **Past Races** list and remove **Chicago**.

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#creating-new-dom-elements) Creating New DOM Elements

⤷ (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-6) Part 6

Let's add to DOM's **Past Races** list. Create a new `<li>` element, change the new `<li>` text to the name of a city, and append it to the **Past Races** list.

🖺 (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-7) Part 7

Create a new `.blog-post` corresponding to the new city added in **Part 6**. You will have to create a new `<div>` with class of `.blog-post`, a new `<h2>` with text, and a new `<p>` with some text. Think about what order you want to create the elements, and what order you want to append them in.

🖺 (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#event-handlers) Event Handlers

🖺 (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-8) Part 8

When you reload the page, the `script.js` file loads a random DOM quote. Let's play with the included function:

```
const randomQuote = function() {
  document.querySelector('#quote-of-the-day').innerText = `"${quotes[Math.floor(Math.random() * quotes.length
)]}"`;
};
```

Query select the `#quote-title` ID element and add a **click** event handler. That event handler should use the function `randomQuote` whenever `#quote-title` is clicked.

🖺 (https://ps-rtt-sei.herokuapp.com/mod-1/week-4/day-3/hw#part-9) Part 9

Select all `.blog-post` class elements. Iterate through the list of `.blog-post` class elements and apply two event handlers to each node. The first event handler should be listening for `mouseout` events while the second handler should be listening for `mouseenter` events.

- The `mouseout` handler should toggle the class `.purple`
- The `mouseenter` handler should toggle the class `.red`

Test it out!

> Hint:
>
> Remember the document node property `.classList` and the document node method `.toggle()`.