Code Review

1. Discord tag

Current Code Snippet:

```html
<li><img src="./images/discord/discord-mark-black.png" alt="black Discord
logo" height="32" title="Goofyeet#2005" id="discord"></li>
```

Current Outcome: The code currently only displays my Discord tag as a tooltip.
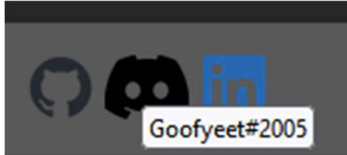
Desired Outcome: The desired outcome would display a "Copy Discord tag" tooltip and copy the tag to the clipboard when the image is clicked.

New Code Snippet:

```html
<li><img src="./images/discord/discord-mark-black.png" alt="black Discord logo"
height="32" title="Copy Discord tag" id="discord"></li>
```

```javascript
function copyDiscordTag(){
    console.log("clicked");
    const DISCORD_TAG = "Goofyeet#2005";

    let textArea = document.createElement('textarea');
    textArea.style.display = "none";
    textArea.value = DISCORD_TAG;
    document.body.appendChild(textArea);

    navigator.clipboard.writeText(textArea.value);
}

let discord = document.getElementById("discord");
discord.addEventListener("click", copyDiscordTag);
```
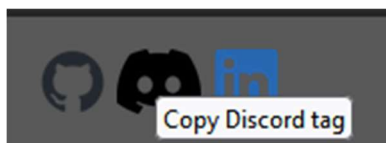
New Outcome: The new Javascript code creates an event listener for when the Discord image gets clicked. When the event fires, the "copyDiscordTag" event handler is called which creates a hidden textarea and sets its value to my Discord tag. Then this text gets copied to the clipboard using the clipboard web api.

2. Empty Github Search

Code Snippet:

```html
<form action="https://github.com/search" method="GET" target="_blank"
id="search">
        <label>Explore Github</label>
        <div>
            <textarea name="q" placeholder="Explore Github"
id="searchBox"></textarea>
            <input type="submit" value="Search">
        </div>
    </form>
```

Current Outcome: The search box allows the user to search Github without entering anything.

Desired Outcome: I can validate that the search is not empty by using Javascript.

New Code Snippet:

```javascript
else if (htmlDoc == "projects.html") {
    let textArea = document.getElementById("searchBox");
    let search = document.getElementById("search");

    search.addEventListener("click", function (event) {
        if (textArea.value == "") {
            event.preventDefault();
        }
    })

    textArea.addEventListener("input", function (event) {
        let value = event.target.value;
        let newColor = ["red", "black"];
        let pick = value.length % newColor.length;

        textArea.style.color = newColor[pick];
    })
}
```

New Outcome: This new code, checks if the textarea value is an empty string, if it is the default action is prevented with the event.preventDefault() method which prevents the search query from being sent to Github.