4.5.10   Reflection

Congratulations on creating your first personal project! Projects like this provide a low-stakes environment to learn crucial new skills and build your portfolio. Potential employers like to see this kind of work because it shows that you care about growing your skill set rather than just coding for a paycheck.

In this lesson, you added a key feature to Taskinator and leveraged `localStorage` to save tasks to the browser. But throughout the module, you've learned so much more.

Let's review some things we learned:

- We were formally introduced to the DOM and how we can access it using methods like the following:

  - `addEventListener()`

  - `querySelector()`

  - `createElement()`

  - `setAttribute()`

- `getAttribute()`

- We learned how to add interactivity with the HTML by adding browser event listeners such as `click`, `submit`, and `change`.

- We learned how to handle events in JavaScript using callback functions.

- We used the `event` object.

- We used the DOM to both read content from the HTML page and create new content to add to or edit on the page.

- We learned how to use HTML5 data attributes to identify the DOM elements so that we can interact with them.

- We learned how to use the Drag and Drop Web API.

- We revisited using an array of objects to store the task items in an organized list.

- We learned how to sync the data with the display in the browser.

- We revisited using `localStorage` to save data, introducing `JSON.stringify()` and `JSON.parse()` to serialize and de-serialize the data.

- Throughout the project, we spotted technical debt and refactored the code as needed.

- Last, we used GitHub to make a pull request and deploy the application to the internet.

Everything you learned in this module plays an important role in any front-end project. Pretty soon, you'll learn a lot more about JSON, and all modern front-end web development uses the DOM. The DOM methods and properties you learned will also play heavily into the upcoming modules and projects.

You've learned a lot about built-in web browser tools. In the next module, you'll learn about other tools—third-party APIs—that simplify some of the more tedious tasks of web development.