

5.5.9 Reflection

Congratulations on completing yet another project! The client is going to be very pleased with how you implemented their feature requests in a timely and efficient manner.

Conceptually, we retread a lot of ground here, but we also took on new tools and libraries that can really take an app to the next level. We made good use of these tools by reading the documentation, which is something we'll have to do whenever something new comes along and we have to learn it.

Let's take a look at what we learned throughout this project:

- We learned what third-party libraries are and what purposes they serve.
- We learned how to implement third-party libraries into our application via a CDN.
- We learned how to understand and use a library's documentation when implementing new features.
- We experienced what jQuery has to offer in terms of making DOM manipulation a little bit easier to do.

- We used Bootstrap to save time and frustration by using their pre-built CSS styles.
- We learned how to use jQuery UI for functionality we'd otherwise have to build from scratch.
- We were introduced to the complexities of date and time functionality in JavaScript and how MomentJS can be used to help us in those situations.
- We learned about timed events in JavaScript and how to use callback functions in `setTimeout()` and `setInterval()`.
 - BONUS: We also learned that JavaScript deals in milliseconds.
- We reinforced our knowledge of CSS layouts and design.

This is a lot to pick up in just a week's time. It usually takes people quite a while to learn how to use a new library properly, and you did it in no time!

At this point, you have everything we need to build attractive, functional websites, but there is one more component to front-end web development you need to learn: how to communicate with a server. In the next module, we'll use JavaScript to ask for data from other servers over the internet. Think of any social media site: where do all those images, videos, and posts (i.e., data) come from on page load? We'll soon find out!