**Sprint Two**

Start: **30/11/2020**

End: **08/01/2021**

Task: **User Accounts**

**Objectives**

* Design and implement a registration system.
* Design and implement a login system.
* Implement the functionality of the My Account page.

**Details**

Using HTML, build a registration form for the user to input the required details (First & Last Name, Email, Password, DOB). Use JavaScript & jQuery to validate the user’s inputs. If all checks pass, encrypt the user’s password and safely send the data using jQuery POST to an API that will save the details in the database.

Use HTML to build a basic login form for user to be greeted with when first entering the site. Use JavaScript and jQuery to validate the inputted details. Call and API that will search the database for the user’s login email. If the email exists, return the user’s encrypted password to the client and check if the two passwords match. If inputted password matches, log user in.

Use PHP to display the details of the logged in user on the My Account Page. Build some forms that allow the user to change their email and password. Use JavaScript and jQuery to validate the inputted data and POST data to an API to update the database if inputted data passes validation checks.

**Review**

What Went Well

Sprint two was completed on time before the deadline.

* Registration system was successfully implemented as intended with only one small issue.
* Login system was implemented correctly.
* My Account page was set up as intended and correctly displays the user’s details and account options.

Problems Encountered

Overall sprint two was a smooth development process with only one issue:

* Encrypting the user’s password proved to be a little difficult using methods I had previously used.

Possible Solutions to These Problems

* CryptoJS, an encryption plugin for JavaScript, was used to encrypt the passwords. This solved the issue and did not affect the deadline.

Project Progress

The project’s progress made so far has been good. I am happy to continue onto sprint three.