**Personal Portfolio – Release 1**

My main contribution to the first release has been in implementing the layout and design of the front end website and also creating the backend processes of user registration and login authentication with sessions.

**Website styling**

At the start of the website development, I created a *styles.css* script to implement a uniform design across all of our website’s pages. This has led to a consistent style across all of our website, which is an important component of designing an attractive website. Examples of consistent styling of elements across all the pages, include the *Header*, *Footer* and *Text* styles.

**User Registration/Password Hashing**

This involved creating a *register.php* page where a form was developed to allow the user to input their personal info and create an account on the website. A *register.js* script was created for client side validation of fields such as name, where letters are only allowed and a password matching field to ensure the user has entered the correct password. When the user submits the form, all the fields are validated by the *register\_val.php* script and the password is hashed, using the *password\_hash* function. These fields are then passed into the MediaLynx database, where the user is now registered.

**Login with Sessions**

In implementing the user login feature, I first created the *Login.php* page which contains the form for the user to input their email and password, as well as a forgotten password link. I then created a *Login\_val.js* script which ensured that the user inserted the correct data format into the login form. For the login form, this involved validating the email, ensuring that the user inputs the correct email format (e.g. [name@email.com](mailto:name@email.com)) prior to querying the database.

In the *login\_val.php* script, the code checks for a matching email field and determines if the password matches the hashed password in the database using the *password\_verify* function. If the passwords don’t match, then the user is brought back to the login page and an error message informs them that they have entered an incorrect login. If successful, a login session is created and the user’s first name is displayed in the header of all the admin pages.