**Basic Web Application**

**11058 Back-end Web Development**

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**Tanaya Allen**

**Links to Website and Code**

Online Website: <http://tanayaallen.epizy.com/assignment-1/public/create.php>

Local Website: <http://localhost/assignment-1/public/create.php>

GitHub (for Local Website): <https://github.com/tanaya2/assignment_1/commits/master>

**Rationale**

The final website design for this project is a Plant Tracker. In a practical capacity, the tracker lets users enter data, review data, edit data and delete data. The visual design of the website mimics the natural garden with green-leafy backgrounds and off-white tones. This project posed many challenges, some of which I overcame and others that remain a lesson for next time. Throughout this project I not only learnt new concepts, such as back-end coding, but was also reminded of front-end concepts. Overall, I enjoyed this project as it helped shape my understanding of how front-end and back-end work differently, and how they are used together to develop websites.

The first challenge of this project was developing the .php files in Brackets. This process took a substantial amount of time and was re-done on several occasions in an attempt to fix errors. The create.php, update.php, update-work.php, read.php and delete.php files were particularly confronting as it was the first time I had experienced such files and I discovered that unless extreme attention to detail was taken, it was easy to make a small mistake that prevented the whole website from behaving as expected.

Another challenging element regarding the code itself was the ability to embed a user login system into the website. After researching how to write the code for this, I did develop a face-value login system, however, struggled to develop the back-end of this system and embed it into the website. Due to this, there is no present login system for individual users on the website. As an alternate to this, users are able to edit the ID number in each entry to match their name or preferred user-id.

Once the back-end side of the website was developed, I employed the templates from Skeleton to start the CSS side of the design. These templates can be seen throughout the code, as well as independent research and writing.

Creating the database through MAMP, and the linked db-create.sql file was also a new experience. MAMP was at first dauting, however, once I understood that it was primarily used to access the website and local database it was easier to comprehend and use. For this project I developed a database tilted ‘plant\_tracker’ for my local site, and then once the Brackets files were uploaded to FileZilla, and in turn the hosting site, InfinityFree, a new database was created and called ‘epiz\_23658260\_tanaya’. This new database was created so that the website could be hosted online through InfinityFree.

The new database and working with InfinityFree proved to be more challenging that I could comprehend and at the end of this project the website was visually shown online, however, when searching the website kept returning the error: SQLSTATE[HY000] [2002] Connection refused. I attempted to rectify the error by checking the new database, ensuring this was correctly reflected in the code, however, there appeared to be no solution.

Overall, the local version of this website is functional and visually appealing. The online version has the CSS side of the code, but not the back-end php side that gives the site functionality.

**References and Software**

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