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The Rationale of Basic Web Application

The tracker I establish for this project is a database to monitor people's weight, which allows the users to input their weight and body fat anytime. The reason I select this topic as my database is that in modern society the population of obesity is getting higher and people are more aware of their health. Therefore, an online tracker for recording weight and body fat is practical for people who want to control their diet, losing weight and body fat. The web tool allows the users to input, delete and edit the data they created, so people can make changes of the footages they leave in the database. During the process, there are several difficulties that I face, and they are connected to the basic concept of programming. The examples are written as follows.

Firstly, it takes lots of work to create every single webpage by doing coding in Brackets. One online article explained that the syntax of a programming language is the set of rules that define the combinations of symbols that are considered to be correctly structured programs in that language. Very small syntax error in the code would make the program unusable (Sushmita, 2016). When I was trying to create the delete page and update page, small syntax errors made the webpages, the edit item and the complete item couldn't load properly. The errors were too detailed to discover, therefore, the solution is to delete all the coding on those pages and copy the correct format from Github. This experience shows that the accuracy of coding is very important since the program wouldn't execute if there's an error in the coding.

Secondly, 'id' is essential inside the database system, which makes the function in the webpage can operate properly. For instance, when I was editing the name of every column that allows users to input the data, even though users can input the data in the ID column, the result page will only appear numbers. Also, it's impossible to delete the id column since it's a compulsory part to markup every submitted data by users. As a result, it shows that the ID column couldn't be set by the users. As an online article about the concept of MVC explained, the controller receives the request and gives a specific set of orders that are related to that route. These instructions could either be for the view to update or serve a certain page. The controller then passes this data to the view to update the user interface (Kanonenko, 2016) Inside the database, the id is like a key to send commands. Without the id, the instructions can't be sent accurately.

To sum up, this semester is the first time I learn coding. It's a long work to write PHP coding and make the database online, but I get a sense of achievement when it's done. I feel happy about finally knowing the complicated syntax in the control panel meant since I've been playing blogs from primary school, but having no idea what those languages are until now.

References

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