**Medical Informatics (BIOM9450)**

**Tutorial 5: Tutorial 5: Server-side Scripting PHP**

There were many functions and scripts used to complete this tutorial and, in this report, I would be going through the design choices for the PHP validation process.

The main idea surrounding the PHP aspect was to connect with the database that was provided. After that, details that were submitted using the form could be compared with the database details.

In order to differentiate between successful registration, banned users and recurring users, the following logic was used as seen below:

Text

Description automatically generated

As seen from above, banned users will trigger the $userbanned flag. The same is also done for the recurring users. The reason for this is that having the separation of users would simplify the responses needed for each user. Thus, the responses can be summarised in the code below:

Graphical user interface, text, application

Description automatically generated

This method of arranging the logic allows for easier implementation and fewer errors. The result of each is as follows:

**Repeating user name:**

Text

Description automatically generated

**Repeating user email:**

Text

Description automatically generated

**Banned user name:**

Graphical user interface, text

Description automatically generated

**Banned user email:**

Text

Description automatically generated

**Successful registration:**

**Graphical user interface, text, application

Description automatically generated**