Assignment 01

Name   ……………………………………………………………………Student ID ……………………………… Section…………………

Assignment 1: Calculate BMI (10 points)

In this assignment, you use the techniques you learned about PHP templates and controller to create a BMI website that allows users their information (name, height and weight) and stores the information in a text file. In additionally, the website displays all BMI records calculated from the users' information have been added into the file. Use the following formula to calculate BMI:

$$weigth\,(\mathrm{kg})\,/\,(height(\mathrm{m}) \times height(\mathrm{m}))$$

The expected outputs should be like this following.

← → C ⌂ ⓘ localhost:8080/953261-2020/Labs/Lab04/public/BMI.php

Calculate BMI

Name: [   ] Weight (kg): [   ] Height (m): [   ] Submit

There are 2 BMI records.

1	**Name**: Henry **BMI**: 26.12
2	**Name**: Jane **BMI**: 21.11

Add new BMI

Hint: The file structure of the BMI website should be like this following.

- Includes folder
    - BMI.txt (containing the Users' information, each user's information on a single line, separated by ~)
- public folder
    - BMI.php (PHP code containing all logic (BMI calculation, write and read data form the file) that controls the templates)
    - Index.php (PHP code containing configuration variables and include statement of BMI form page)
- templates folder
    - Form.html.php (HTML and PHP code of the BMI form)
    - BMI.html.php (HTML and PHP code of the dynamic BMI records)
    - Layout.html.php (HTML and PHP code of the layout page with the dynamic output)