UNIVERSITI KUALA   LUMPUR
ASSESSMENT BRIEF

COURSE DETAILS	
CAMPUS	MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY
COURSE NAME	INTERNET PROGRAMMING
COURSE CODE	ISB42503
LECTURER	TS. NURDATILLAH HASIM
YEAR/SEMESTER	YEAR 3 / SEM 5

ASSESSMENT DETAILS	
TITLE/NAME	ASSIGNMENT 1
WEIGHT	10%
DATE/DEADLINE	WEEK 6
COURSE OUTCOME(S)	1. Select and apply appropriate HTML web form controls and PHP programming methods to web application development activities. 2. Identify, formulate and solve web application development problems by applying appropriate design and development techniques to meet specified requirements of the web application.
INSTRUCTIONS	1. Complete all the tasks given in a **GROUP of TWO.** 2. Plagiarism is not allowed. 3. Any plagiarism detected; the marks allocated for the project will be equally divided according to the number of students who are sharing. 4. 0 Marks will be given for late submission.

DELIVERABLES	Report and codes submission (VLE only):
	 1. Submission needs to be done individually.
	 2. You are required to submit a report of your application.
	     o The report should consist of all print screen of your INPUT and OUTPUT (error messages and successful message) from your application. Make sure all images captured are readable and not too small.
	     o Report should be in **PDF format.**
	 3. You are required to upload all your codes.
	     o All files (.php, .html, and .css)

QUESTIONS

1. Lean body mass (LBM) is a part of body composition differences between total body weight and body fat weight. LBM counts the mass of all organs except body fat, including bones, muscles, blood, skin, and everything else. Usually, LBM is on average ranges between 60-90% of total body weight. Generally, men have a higher proportion of LBM than women do. Develop a program to calculate LBM based on requirement listed in Table 2.

Lean body mass formula for adults:
Male
$$LBM = (1.20 \times BMI) + (0.23 \times Age - 16.2)$$
Female
$$LBM = (1.20 \times BMI) + (0.23 \times Age - 5.4)$$

Table 1: LBM category

Description	Female	Male
Essential Fat	10 - 13%	2 – 5%
Athletes	14 – 20%	6 - 13%
Fitness	21 – 24%	14 – 17%
Average	25 – 31%	18 - 25%
Obese	>32%	>25%

Body Mass Index (BMI) is an index of weight and height of an individual. The formula of BMI:

$$BMI = weight / height^2$$

** *weight in kilogram*

** *height in meter*

Table 2: Requirement

Requirement
Input:
1. Name
2. Weight
3. Height
4. Age
5. Gender
6. Users are not allowed to leave item No.1 – No.5 empty
Process:
Calculation to get BMI and LBM
Output:
1. Name
2. Weight
3. Height
4. Gender
5. Age
6. BMI
7. LBM category
Design:
1. Form design and display output is up on your creativity.
2. You need use header and footer in your design
Flow:
Have correct flow of the program
Total = 25 Marks

2. Develop a PHP program using array to display bus ticket price based on Table 3 below. The user is required to choose their departure day and time. The result will display the ticket price based on their departure day and time.

Table 3: Ticketing table

Day	Departure time				
	7:00	10:00	13:00	16:00	21:00
Saturday	RM 8	RM 8	RM 8	RM 8	RM 6
Sunday	RM 8	RM 8	RM 8	RM 8	RM 6
Monday	RM 6	RM 6	RM 6	RM 6	RM 5
Tuesday	RM 6	RM 6	RM 6	RM 6	RM 5
Wednesday	RM 6	RM 6	RM 6	RM 6	RM 5
Thursday	RM 6	RM 6	RM 6	RM 6	RM 5
Friday	RM 6	RM 6	RM 6	RM 6	RM 5

Develop a program based on requirement listed in Table 4.

Table 4: Requirement

Requirement
Input:
1.   Departure day
2.   Departure time
3.   Users are not allowed to leave item No.1 – No.2 empty
Process:
You need to use an array to store data in the Repayment Table
Output:
1.   Departure day
2.   Departure time
3.   Ticket price
Design:
1.   Form design and display output is up on your creativity
2.   You need use header and footer in your design
Flow:
Have correct flow of the program
Total = 25 Marks

GOOD LUCK

Appendix 1:

MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY

ISB42503 INTERNET PROGRAMMING
FEBRUARY 2023

Plagiarism Statement

Read, complete, and sign this statement to be submitted with the written report.

We confirm that the submitted works are all our own work and are in our own words.

Name (Block Capital & Alphabetical Order)	Matric No.	Group	Signature*
1.Thomas Matthieu Willson	52200123009	L04-B01	T.W
2.Antoine Richard Gavira-Bottari	52200123010	L04-B01	A.GB

Date: 07/12/2023

Appendix 2:

ISB42503 INTERNET PROGRAMMING

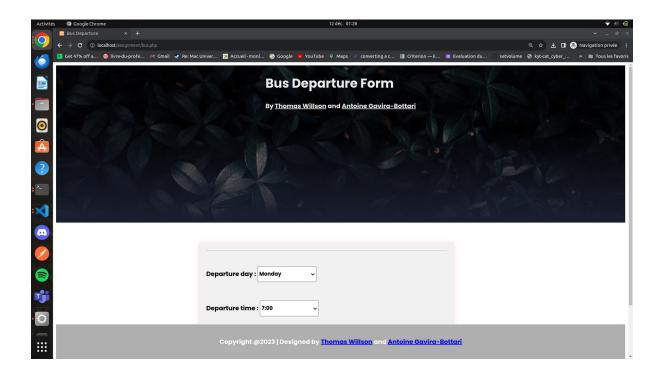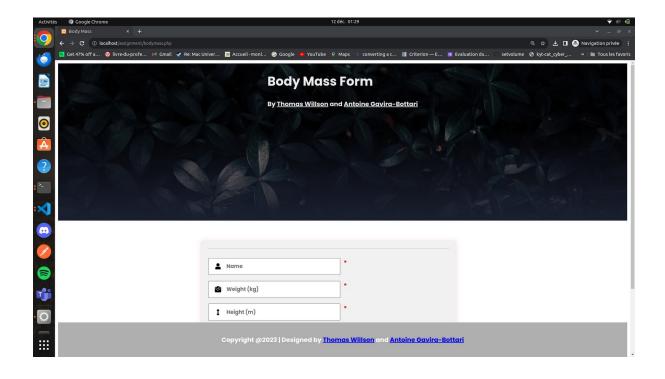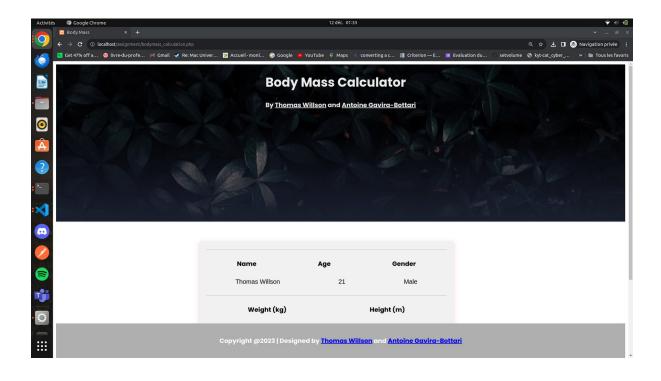## Peer Evaluation for Group Work

Your Name:

Write the name of each of your group members in a separate column, indicate the extent to which you agree with the statement on the left using scale 1-4 **(1=strongly disagree; 2 =disagree; 3=agree; 4=strongly agree)**. Total numbers in each column.

Evaluation Criteria	Group Member 1	Group Member 2
1. **Attends group meeting regularly and arrives on time.**	4	4
2. **Contributes meaningfully to the group discussion.**	4	4
3. **Completes group assignments on time.**	4	4
4. **Prepares work in a quality manner.**	4	4
5. **Demonstrates a cooperative and supportive attitude.**	4	4
6. **Contributes significantly to the success of the project.**	4	4
TOTAL	24	24

REPORT

Bus Departure Form

By Thomas Willson and Antoine Gavira-Bottari

Departure day : Monday

Departure time : 7:00

Copyright @2023 | Designed by Thomas Willson and Antoine Gavira-Bottari

Body Mass Form

By **Thomas Willson** and **Antoine Gavira-Bottari**

Name *

Weight (kg) *

Height (m) *

Copyright @2023 | Designed by **Thomas Willson** and **Antoine Gavira-Bottari**

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Body Mass Calculator

By Thomas Willson and Antoine Gavira-Bottari

Name	Age	Gender
Thomas Willson	21	Male

Weight (kg)	Height (m)

Bus Departure Calculator

By **Thomas Willson** and **Antoine Gavira-Bottari**

Day	Time	Price
Monday	7:00	RM 6

Book again !

Body Mass Form

👤 Name   *

⚖ Weight (kg)   *

↕ Height (m)   *

🎂 Age   *

○ **Female**   ○ **Male**   *

Submit

Body Mass Form

👤 Name   * Name is required

⚖️ Weight (kg)   * Weight is required

↕️ Height (m)   * Height is required

🎂 Age   * Age is required

○ Female   ○ Male   * Gender is required

Submit

Body Mass Form

👤 Thomas77   * Only letters and white space allowed

⚖ Weight (kg)   * Weight is required

↕ Height (m)   * Height is required

🎂 Age   * Age is required

○ Female   ○ Male   * Gender is required

Submit

Body Mass Form

👤 **Thomas**   *

📷 **-60**   *** Cannot have negative weight**

↕ Height (m)   *** Height is required**

🎂 Age   *** Age is required**

○ **Female**   ○ **Male**   *** Gender is required**

Submit

Body Mass Form

👤 Thomas   *

📷 80   *

↕ -1,93   *** Cannot have negative height**

🎂 Age   *** Age is required**

○ Female   ○ Male   *** Gender is required**

Submit

Body Mass Form

👤 **Thomas** *

⚖ 80 *

↕ 1,93 *

🎂 -21 * **Cannot have negative age**

○ **Female**   ○ **Male**   * **Gender is required**

Submit

Body Mass Form

👤   **Thomas Willson**   *

📷   80   *

↕   1,93   *

📶   21   *

○ **Female**   ○ **Male**   *** Gender is required**

Submit

Body Mass Form

👤 Thomas Willson   *

📷 80   *

↕ 1,93   *

🎂 21   *

○ **Female**   ◉ **Male**   *** Gender is required**

Submit

Body Mass Calculator

Name	Age	Gender
Thomas Willson	21	Male

Weight (kg)	Height (m)
80	1.93

BMI	LBM	LBM Category
21.5	14.4	Fitness

Try again !

Bus Departure Form

Departure day : Monday ⌄

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

Departure time :

Book

Bus Departure Form

Departure day : Monday

Departure time : 7:00

7:00
10:00
13:00
16:00
21:00

Book

Bus Departure Form

Departure day : Friday ⌄

Departure time : 21:00 ⌄

Book

Bus Departure Calculator

Day	Time	Price
Friday	21:00	RM 5

Book again !