

**SUBJECT:
WEB APPLICATION DEVELOPMENT
LAB TEST**

BITM 2113

SEMESTER 2

SESSION 2020/2021

2 HOURS

1. Write your name and matric no. on your answer file.
2. This lab test will examine the skills of using HTML, PHP and MySQL.

Instructions:

- 1) Ensure that you have installed a local Web server on your PC/laptop. Start all services on the Web server. Take a screenshot of your Web server that shows all the services are "on". Paste it on a Microsoft Word document as part of your answer file. Your Word answer file should consist also all screenshots for:
 - i) database table structure and content,
 - ii) code execution on your Web browser.
- 2) Create a database and call it as '**covid19**'.
- 3) The database should have at least the following table:
 - i) Create a table called 'profile' with fields and datatypes are as shown below:

Table field	Type
user_id (PRIMARY KEY)	int(12)
password	Varchar(15)
name	Varchar(50)
ic	Varchar(15)
email	Varchar(50)
phone	Varchar(15)
gender	Varchar(10)
address	Varchar(50)
amount	int(10)
signup_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP

(Note: insert one data where the user_id is '9999' and password is 'admin'. There should be only one admin in this table.)

- 4) You are given a task to develop a website for registering users' donation for COVID19 patients. Donation can be RM20, RM50, RM100 or RM300. Design the main page to provide the necessary information including About Us. The website should function as follows:
- (i) Users **MUST** be able to register to donate. The registration process must validate no duplication on users' IC number and provide appropriate error message.
 - (ii) Once registered, users can login and view their profile.
 - (iii) For 'admin', admin **MUST** be able to: 1) login, 2) display all records stored in the '**profile**' table, and 3) delete a record based on a user's IC number.
 - (iv) For all login processes, use session variables to verify that the user_id and password entered matched with the existing record in the database.

You must remember to:

- Export your database into a .SQL file. Create a directory with the last 4 digits of your matric number. Put all your files inside this directory. Zip the folder and submit on ULearn labtest submission. Please ensure that your file extension is .ZIP. Do not submit .RAR files since it will cause difficulty for me to grade your labtest submission.
- Use database and tables as mentioned above only.
- You only have **2 HOURS** to develop the website.

Assessment:

- Ensure your website uses correct path and accessible.
Example: `http://localhost:portnumber/[last_4_digit_matric]/`

Marking criteria (15 marks):

- Correct website url. **Example:** `http://localhost:8080/0001`
- All features required for users and admin stated in 4) above are functioning. Users must be able to register, login, and view their profiles. Admin must be able to login, display all users' records in profile table, and delete a record based on a user's IC number.