![UTeM Logo]	**Lab Test 2** **FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI** **UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

	WEB PROGRAMMING **1 hour 30 minutes**

DITM 2123	**SEMESTER II**	**SESI 2023/2024**

PART A: PHP Exercise

In this question, you are required to create an HTML form for putting new phonebooks into the database. The form is included in an HTML file named **AddPhonebook.html** while the results of the form are passed along to **InsertPhonebook.php**, a PHP script that takes the details, performs some minor validations, and attempts to write the data into the database.

You need to include the following elements in your **AddPhonebook.html** (**Figure 1.1**).

a) An HTML form named `myForm` which consists of

    i. Four **textboxes** named **fName, lName, email** and **phone**.

    ii. A **submit** button to send the form for further processing. Specify the text appeared on the button as **Add Now.**

b) Please specify the form's `method` attribute as **get**.

Phonebook Details

Please fill in the details below to add an entry.

First Name [   ]

Last Name [   ]

Email [   ]

Phone No. [   ]

[Add Now]

Figure 1.1: Interface for putting new phonebooks into the database

[6 Marks]

After completing the **AddPhonebook.html**, you are required to produce the **InsertPhonebook.php**. This server-side script comprises of few parts as below:

a) The first part consists of PHP statements that connect to the MySQL server and database. The MySQL server is located at host as **localhost** with the username as **root** and password as **1234**. The database name is **phonebook**.

b) The second part reads the four pieces of information (**fName, lName, email** and **phone**) from the **AddPhonebook.html.**

c) The next part validates that the user has entered all four pieces of details. If the validation fails, the script should output an error message as in **Figure 1.2**.

d) The next part is to check if the First Name and the Last Name supplied by user is already exist in the database. If the First Name and the Last Name is already exist, the scripts should output an error message as in **Figure 1.3**.

e) The forth part writes new phonebook details into the **phonebook** table. **Figure 1.4** shows the structure of **phonebook** table. If the data insertion completed successfully, the scripts should output an error message as in **Figure 1.5**. If the insertion fails, use **mysql_error()** function to retrieve the error text.

Phonebook Entry Result

You have not entered all the required details.
Please go back and try again.

Figure 1.2: Error Message

Phonebook Entry Result

The user already exist in the database.
Please enter different First Name and Last Name. Thank You.

Figure 1.3: Error Message

```
+----------+-------------+------+-----+---------+----------------+
| Field    | Type        | Null | Key | Default | Extra          |
+----------+-------------+------+-----+---------+----------------+
| id       | int(12)     |      | PRI | NULL    | auto_increment |
| fName    | varchar(20) |      |     |         |                |
| lName    | varchar(20) |      |     |         |                |
| email    | varchar(50) |      |     |         |                |
| phone    | varchar(20) |      |     |         |                |
+----------+-------------+------+-----+---------+----------------+
```

Figure 1.4: phonebook Table Structure

Phonebook Entry Result

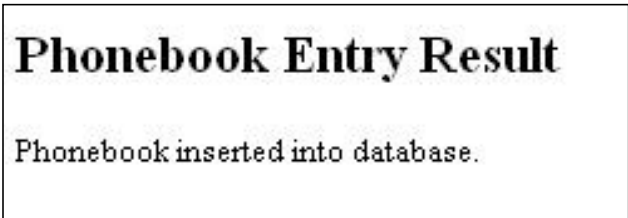Phonebook inserted into database.

Figure 1.5: Confirmation Message

[19 Marks]

PART B : Upload your document root and database in your webapp account

1. Upload your files in document root in your account at **https://webapp.utem.edu.my/explorer/**

2. Upload your database in your account at **https://webapp.utem.edu.my/dbadmin**

3. Give your URL of your website in the padlet below:

   https://l1nk.dev/ulaMe   **[5 Marks]**