CPE241 Database Systems

Week-9 Assignment: Basic Web Forms with DB

Submit all your source code as single ZIP file, and screen capture output as a PDF file, then, upload to LEB2 "HW4 : Basic Web Forms with DB" **before April 7 2024 at 23:59**.

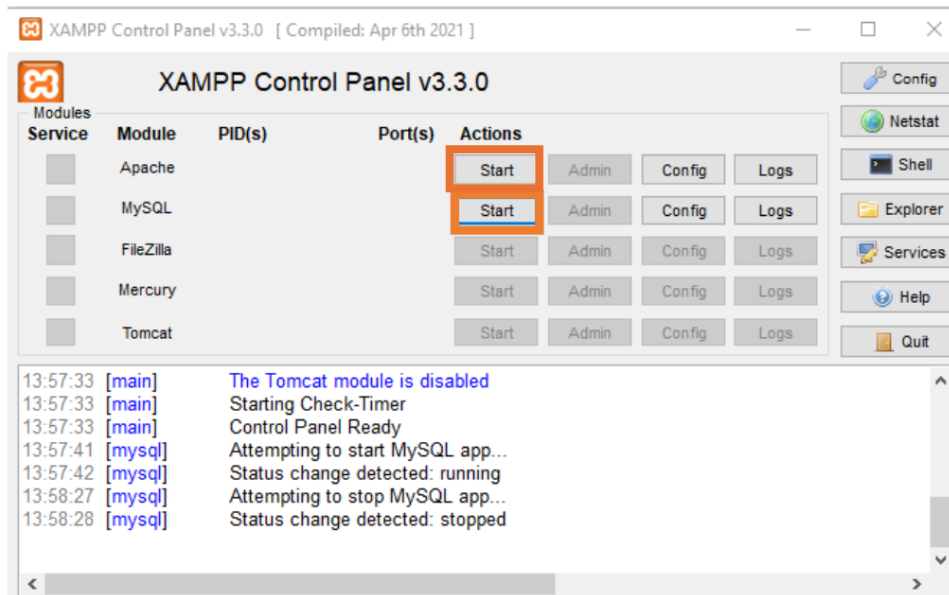Note: This assignment uses MySQL and Web Server on XAMPP.

1. Open Command Prompt/Terminal and access MySQL/MariaDB
2. Create a database name **my_db** with uff8 character set and utf8_general_ci collation using the following command.

```
CREATE DATABASE my_db
DEFAULT CHARACTER SET utf8
DEFAULT COLLATE utf8_general_ci;
```

3. Execute **USE my_db** to select the database my_db as the one you are going to operate with.
4. Create a table named **tb_persons** .

```
CREATE TABLE IF NOT EXISTS  tb_persons (
student_id char(10) NOT NULL,
first_name varchar(50) NOT NULL,
last_name varchar(50) NOT NULL,
age int NOT NULL,
PRIMARY KEY (student_id)
);
```

5. Extract lab9.zip to HTDocs folder of XAMPP (Windows: c:\xampp\htdocs, MacOS: /Applications/XAMPP/htdocs). The ZIP file contains **Form.php**, **Insert.php**, **Search.php**, and **SearchForm.php**
6. Start XAMPP control panel.
7. Start Web Server by clicking start on Apache Module.

8. Open your browser, navigate to http://localhost/lab9/Form.php and screen capture the page.

9. Fill in the form with your data (Student ID, Firstname, Lastname, age) and click **INSERT** button.

10. Use Command Prompt/Terminal on step 4 to query '**SELECT * from tb_persons**' and screen capture the result.

11. Open your browser, navigate to http://localhost/lab9/Search.php and screen capture the page.

12. Open your browser, navigate to http://localhost/lab9/SearchForm.php, fill in your information and click **SEARCH** button and screen capture the result.

13. Create a file called **UpdateForm.php** and **Update.php** for updating first_name, last_name, age of a specified student_id (The code in those files must be written by you). The form should contain the fields in the image below.
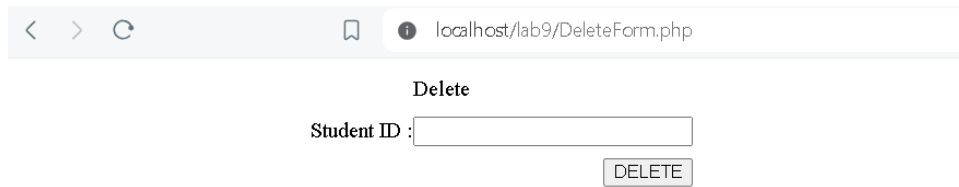

14. Demonstrate the update function by updating your information (for example: change your name or age), then, use Command Prompt/Terminal on step 4 to query the updated data

15. Create a file called **DeleteForm.php** and **Delete.php** for deleting data specified student_id (The code in those files must be written by you). The form should contain the fields in the image below.

<div align="center">

< > C   🔖   ⓘ   localhost/lab9/DeleteForm.php

Delete

Student ID : [_____]

[DELETE]

</div>

16.
17. Demonstrate the delete function by deleting your information, then, use Command Prompt/Terminal on step 4 to query the data.