School of Information and Computer Technology Sirindhorn International Institute of Technology Thammasat University

CSS326 Database Programming Laboratory

Laboratory Assignment #09
Dynamic Website with PHP
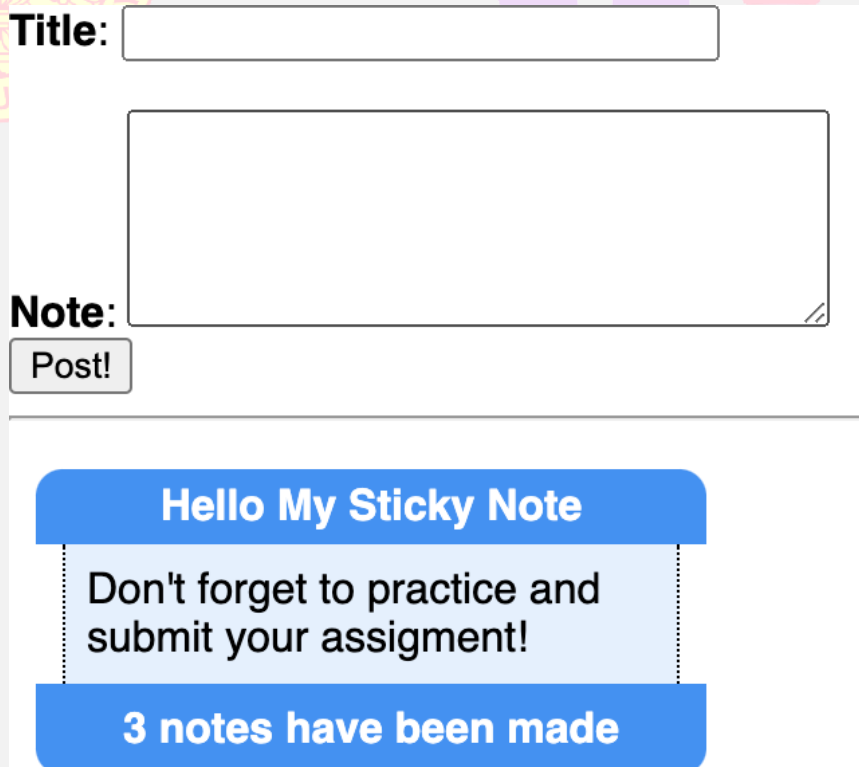
Assignment 1: Make sticky note web app.

Objective: To apply knowledge of file manipulation/string manipulation and HTML/CSS rendering to create an application.

Submission:
Compress all the files into a single zip file. (Score: 2 marks)

Instructions:

1. Use the given **sticky.php** and edit it according to the comments so that it looks identical to figure 1.

Figure 1: The expected form

2. Each note must be stored with its title. All the notes and titles must be stored in a text file (**sticky_note.txt**)

3. Fill in the data as shown in Figure 2

Figure 2 Content of sticky_note.txt

Assignment 2: Make the web application for login.

Objective: To apply knowledge of PHP and DBMS with HTML/CSS rendering to create an application.

Submission:
Compress all the files into a single zip file. (Score: 8 marks)

Instructions:

1. First, create a database named "**staff**".
2. Then create tables "**USER**" and "**USER_GROUP**" as given in Figure 3. [1 mark]

USERGROUP Table

Field	Type	Length Values	Extra	Primary Key
USERGROUP_ID	INT		Auto_increment	Yes
USERGROUP_CODE	VARCHAR	50		
USERGROUP_NAME	VARCHAR	50		
USERGROUP_REMARK	VARCHAR	255		
USERGROUP_URL	VARCHAR	50		

USER Table

Field	Type	Length Values	Extra	Primary Key
USER_ID	INT		Auto_increment	Yes
USER_TITLE	INT			
USER_FNAME	VARCHAR	50		
USER_LNAME	VARCHAR	50		
USER_GENDER	INT			
USER_EMAIL	VARCHAR	50		
USER_NAME	VARCHAR	25		
USER_PASSWD	VARCHAR	25		
USER_GROUPID	INT			
DISABLE	INT			

Figure 3 Table schemas for USERGROUP and USER

3. Additionally, generate two other tables called "**TITLE**","**GENDER**" such that they reflect figure 4 and figure 5. [1 mark]

	TITLE_ID	TITLE_NAME
☐ 🖉 Edit ⌹ Copy ⊖ Delete	1	Mr.
☐ 🖉 Edit ⌹ Copy ⊖ Delete	2	Mrs.
☐ 🖉 Edit ⌹ Copy ⊖ Delete	3	Ms.
☐ 🖉 Edit ⌹ Copy ⊖ Delete	4	Dr.
☐ 🖉 Edit ⌹ Copy ⊖ Delete	5	Prof.

Figure 4 The table structure of TITLE with its data

|	GENDER_ID	GENDER_NAME
☐ 🖉 Edit ⌹ Copy ⊖ Delete	1	Male
☐ 🖉 Edit ⌹ Copy ⊖ Delete	2	Female
☐ 🖉 Edit ⌹ Copy ⊖ Delete	3	N/A

Figure 5 Table structure with content for GENDER

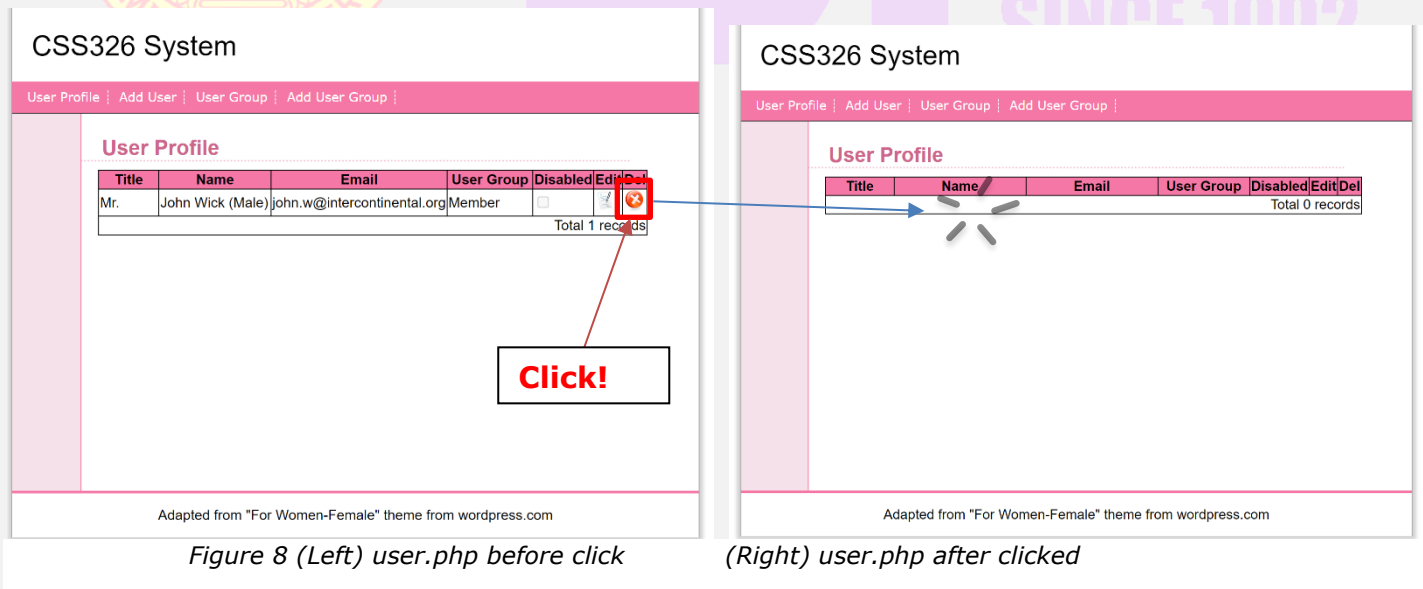4. Create references with constraint (all RESTRICT) to match the following diagram.[1 mark]
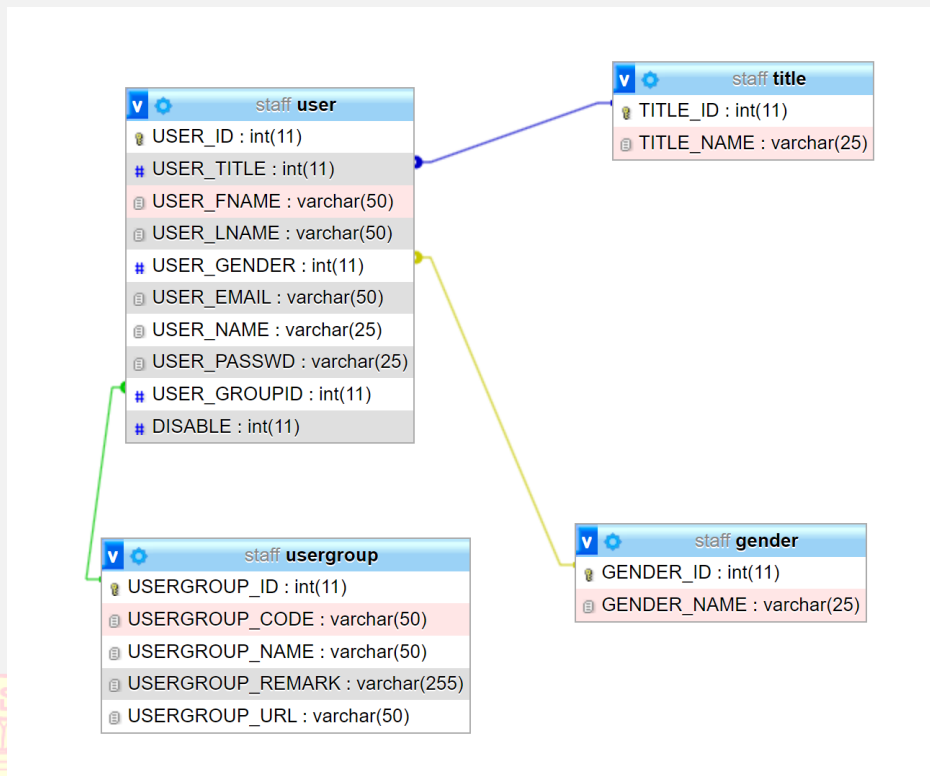
5. Complete **add_group.html** (Figure 6 Left) so that data input in add_group.html is inserted into the USERGROUP table in the database as given by Figure 6 (right). [1 mark]

Figure 4 (Left) add_group.html   (Right) group.php

Revised on 3/Oct/2023
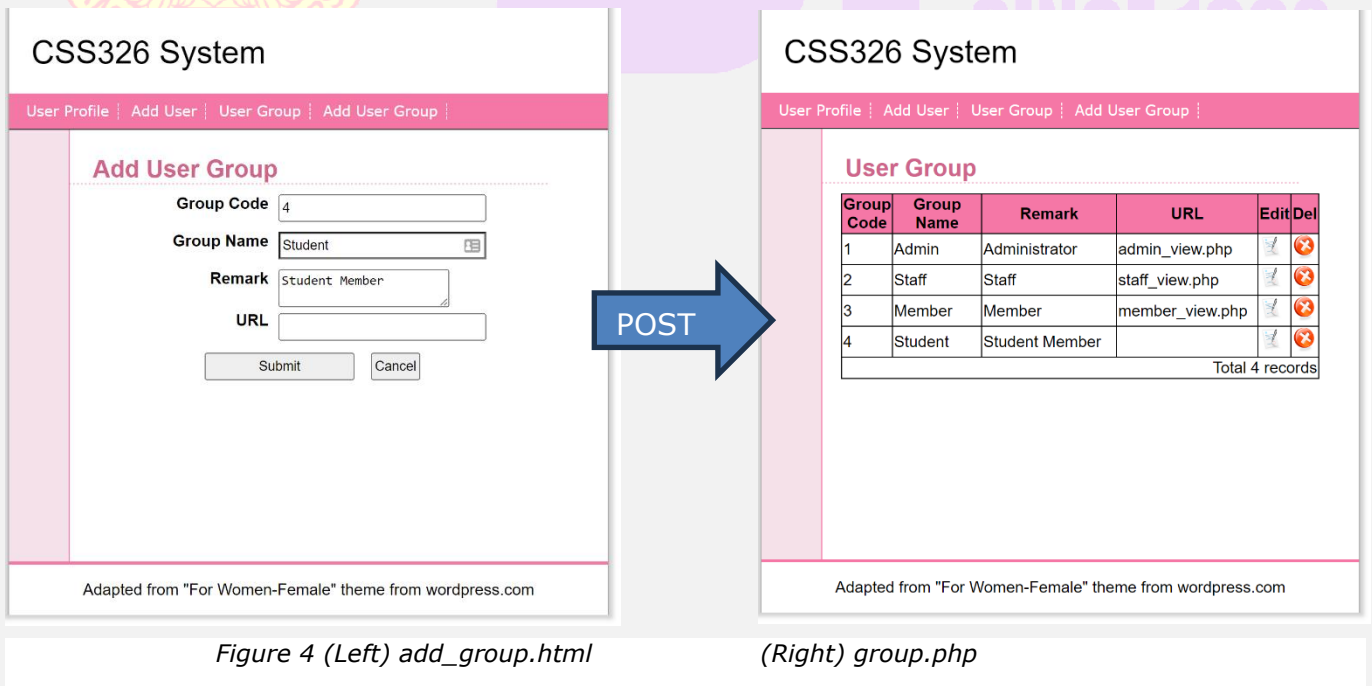
6. Also, when a user input data as given in Figure 7 left to the **add_user.php**, it should display the inserted result in User profile page (Figure 7 right) [1 mark]

Figure 7 (Left) add_user.php   (Right) user.php
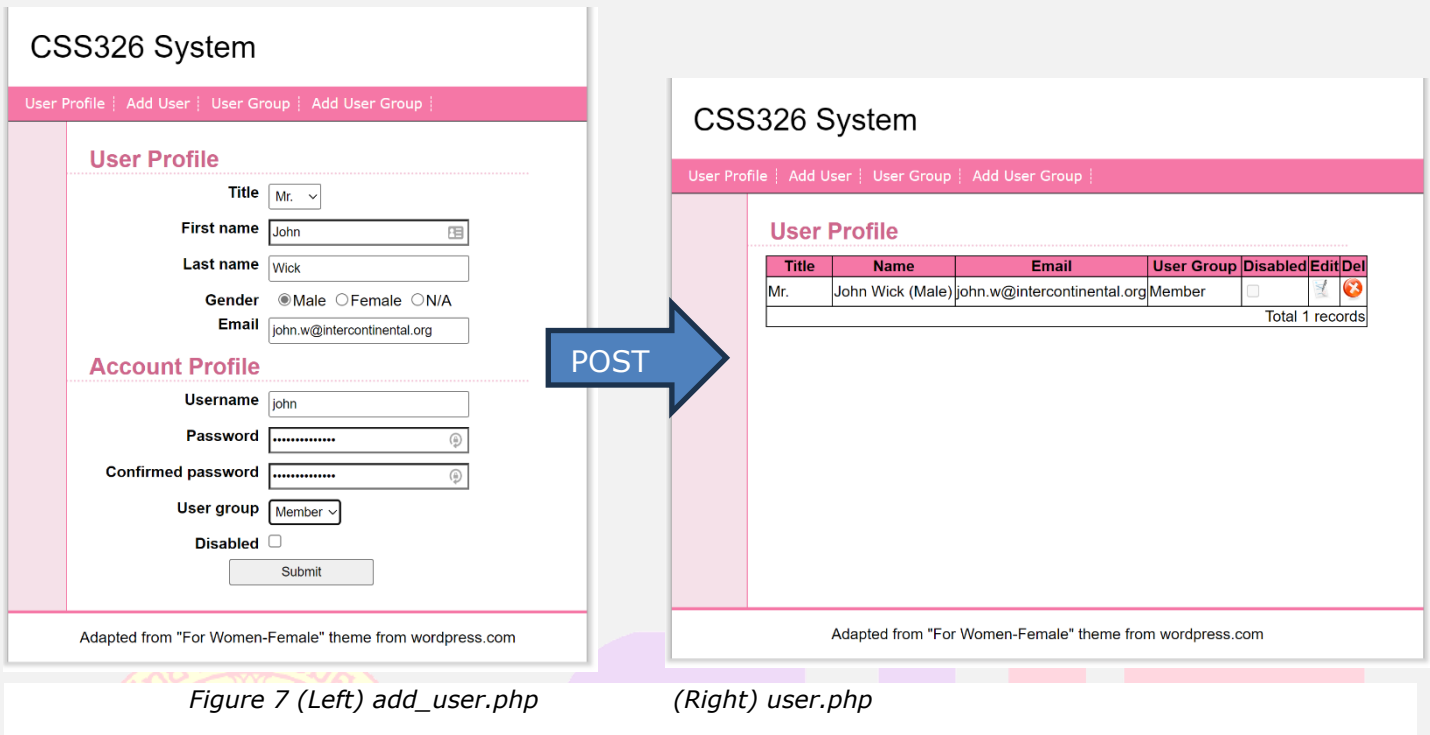
7. The data in **user.php** can be deleted (using the delete icon) as well as shown in Figure 8. You need to send ID of data to be deleted via $_GET request to **delinfo.php** e.g. `http://localhost/delinfo.php?userid=3` [1 mark]

Figure 8 (Left) user.php before click   (Right) user.php after clicked

8. The data in **group.php** can be deleted (using the delete icon) the same way as (7) [1 mark]

Revised on 3/Oct/2023

9. Make both forms (group /user) editable. You need to edit the files **edit_user.php** and **edit_group.php** and also make sure you have linked the edit request from **user.php/group.php** with corresponding ID to them as well [1 mark]

NOTE:
- In order to verify the inserted data, go to phpMyAdmin and retrieve data in "USERGROUP" and "USER" Tables in "STAFF" database.
- To create databases and tables. You may use either phpMyAdmin and export the table structure as SQL. Or you can write SQL from scratch. (Either way, you need to submit the table structure as SQL file)
- Check you connection parameters in **connect.php** if you got the error message such as `1045: Access denied for user 'root'@'localhost' (using password: NO)`
- To build an editable form for data, you will need to take ID of data you want to edit. Make a SELECT query against that ID. Then fill in each control (HTML Form control) with the data. And then, when user click on submit, you will need to take in parameter and update ID accordingly.

Revised on 3/Oct/2023