



Department of Computer Science and Engineering

Course Code: CSE370	Credits: 1.5
Course Name: Database Systems	

Lab 10 PHP and MySQL: Update, Select and Joins (Project Milestone 3)

I. Topic Overview:

This lab aims to help students connect MySQL with the user interface of their project. Students should at least implement a basic update, select and one join query/subquery in their project during the lab. They will work in groups to complete the 3rd milestone of their project.

II. Lesson Fit:

Students should have an understanding of the following:

1. HTML, CSS and PHP (or any other programming language chosen by the group)
2. MySQL update, select, joins
3. MySQL and PHP Connection

Lab08 and Lab10 should also be completed before starting this task. Students should have their project database with them.

III. Learning Outcome:

After this lecture, the students will learn:

- a. Project management
- b. Team Management

IV. Acceptance and Evaluation

Students will show their progress as they complete each problem. They are expected to complete all tasks in class. They will be marked according to their class performance.

V. Activity Detail

a. Hour: 1

Students will create simple forms/pages for their project for updating and retrieving data

b. Hour: 2

Check the forms and help students with any issues. Students will connect all forms and pages with MySQL and implement each operation.

Problem Task:

- i. Task 1, 2

c. Hour: 3

Discuss project related issues with students. Check the project progress and make final suggestions

VI. Home tasks

- a. Task 3

Lab 10 Activity List

Task 1

1. Identify all update operations within the project
2. Create simple UI for updating data from database.
3. Connect the form with database
4. Update data using the form.

Task 2

1. Identify all data retrieval features operations within the project
2. Create a simple page for retrieving data from database e.g search page/profile page etc
3. Write SQL select queries and join operations to retrieve data and display on the UI

Task 3

Identify all insert, delete, update and data retrieval features within the project combine different components of the project together.