

cis20.2, spring 2010, project II database development

- This is the project for Unit II. It is worth **10 points** (15% of your term grade).
- It is due on FRIDAY APRIL 9 by midnight.
If you need more time because of the Passover holiday, please let me know.
- SUBMIT your assignment via email to: sklar@sci.brooklyn.cuny.edu

This assignment combines labs II.3 and II.4. You will create a simple HTML form and store data entered by the user in your MySQL database.

You can do all your development on mingus (146.245.250.181).

This about this assignment in the context of your group project. Discuss with your group members the data tables that your group will need to create, such as the user table, the restaurant table, the sports team table, the courses table, etc. Divide up all the tables that will be needed by your project and assign each group member a subset of tables to develop. Use this assignment to develop those tables and the PHP interface to them.

PART 1

4 points

Create an HTML form named **entry.html** that asks a user to enter some information. Use at least 4 different types of `<input . . >` types (e.g., text, checkbox, password, radio, select, textarea, submit). Set form's action variable to **process.php**, like this:

```
<form action="process.php" method="post">
...
</form>
```

PART 2

5 points

Create the PHP file called **process.php** that receives the data from the form. This file should open a connection to your MySQL database and store the data entered by the user into one or more tables.

Note that you can use MySQL `INSERT INTO . . .` commands in PHP. Refer to part 2 of lab II.4. In that example, instead of setting the `$query` variable to a string that contains a `SELECT . . .` query, set that string to an `INSERT . . .` command. Use the `mysql_affected_rows()` function (described on page 3 of lab II.4) to make sure that the `INSERT` command ran as you expected.

PART 3

1 point

Include in your submission the definition(s) of your database table(s). To do this, log into MySQL and use the `describe <table-name>` command. Save the results in a text file, and include that file in your submission. Name that text file **database.doc**.

Alternatively, you can include a screen dump of the table definitions from phpMyAdmin.

PART 4

1 point

Create a second HTML form called **showme.html** that contains a submit button which is labeled "display". When the user clicks on the "display" button, a second PHP file should be invoked that is called **display.php**.

PART 5

4 points

Create a second PHP file called **display.php**. This file should open a connection to your MySQL database and query your table(s) and display the data entered by the user in the browser window.

SYNOPSIS

You need to develop and submit the following:

- **entry.html** (HTML form for entering data)
- **process.php** (PHP script for storing entered data in the database)
- **database.doc** (database schema documentation)
- **showme.html** (HTML form for triggering database lookup)
- **display.php** (PHP script that queries database and displays results)

Develop your work on mingus. I should be able to try out the results on mingus!