**Exercise 4: Database-Driven Survey**

CSCI 214: Server-Side Admin and Programming

OK – The survey is up and running, and you can finally start collecting your survey data. Only one problem: we need somewhere to collect this information! So, we’re going to move to storing our survey data in a database, where it belongs. To successfully complete this mission, we’ll need to achieve a number of milestones along the way:

* Configure and connect to our MySQL database on our server.
* Create a database and a table (or tables) within it to store our data.
* Learn to use PHP to connect to the database and perform the needed operations to insert data into our table(s).
* Also learn how to extract data from the database and present information to the user.

**Objectives**

You must complete the following objectives:

1. You must create a database and table(s) to hold the data submitted from your form. Note that some of the data you are collecting (the fields with the checkboxes) cannot be stored atomically without using multiple tables. What is the relationship for this data? One-to-many? Many-to-many?
2. You must edit your confirmation page to insert newly submitted data into your table. More and more data will accumulate as your form gets submitted more and more times.
3. You must alter your confirmation page to display some results to the user from the survey. For example: my survey asked people what time they like to ride. I could show a bar chart with the times on the baseline (Morning, Afternoon, Evening, or Late) and bar heights and numbers representing the total for each category.

If you choose to display the question with the multiple answers, you will need to query your database with a JOIN to assemble the needed data. Brush up using chapters 8 and 9 if you need to, or simply seek help from your friendly instructor.