

San José State University
Department of Computer Engineering

CMPE 226
Database Systems
Spring 2017

Instructor: Ron Mak

Assignment #1

Assigned: Tuesday, February 7
Due: Tuesday, February 14 at 11:59 pm
Team assignment, 100 points max

Simple end-to-end web application

Write a simple end-to-end web application that consists of “naked” HTML on the client side, some basic PHP on the server side, and a single database table in the back end.

Create an **HTML page** that contains a form that has various input elements beyond just input text fields, such as checkboxes, radio buttons, selection lists, etc. The HTML should not contain any formatting or layout attributes.

Create a **MariaDB database** that contains a **single table** with your choice of fields. Populate the table with some data.

Create a **PHP page** that obtains data submitted from the HTML form and makes different queries of your database table based on the form data. It should dynamically generate a new web page that displays the query results.

Make **screenshots** of your web pages.

Database table dump

Create a “dump” of your database using **phpMyAdmin’s** Export tab:

- Choose SQL format.
- Press the Go button to create a .sql file named after your database.
- The grader will be able to import this file to recreate your database and its data.

What to turn in

Create a zip file named after your team (e.g., **Supercoders.zip**) containing:

- Your .html and .php files.
- Output from the **mysqldump** command or the **phpMyAdmin** Export tab.
- Screenshots of your web pages.

Only one entry per team. One team member submits into **Canvas: Assignment #1**
Each team member will receive the same score.

Rubric

Your program will be graded according to these criteria:

| Criteria | Maximum points |
|--|----------------|
| • HTML page with a form containing input elements that are more than just text fields. | • 20 |
| • Database with one table with fields. | • 20 |
| • Database table populated with sample data. | • 20 |
| • PHP page that receives data from the HTML form, queries the database based on the form data, and dynamically generates a new web page. | • 20 |
| • Screenshots of web pages in action. | • 20 |