CS 325 - Introduction to Web Programming

JanPlan 2018

Lab 10: Use Ajax to display country information (Start in class and finish by *tomorrow night* at 11:55pm for full credit)

- Create a web page CountryInfo.php that displays a fieldset containing a Submit button and a drop-down list of countries. The page also displays, under the fieldset, an empty table with column headers (described below). When the use selects a country and clicks Submit, the table below the fieldset is filled with information about the country selected.
- I have included a "countries_small.sql" file which is a subset of the world.sql file. It includes only a CountriesSmall table that is a subset of the world database's Countries table that includes only 20 of the countries. Load this table into your database and use it for this lab. Each of the 20 countries should appear in the drop-down list of countries on your web page.
- In the displayed HTML table, there should be a column for each field in the CountriesSmall database table and each column of the HTML table should have a header corresponding to a field name in the database table.
- Do not hard code the 20 countries into your web page. If you were to change which or how many countries were included in CountriesSmall, I would want your web page, when refreshed, to display in the dropdown list the new set of countries in CountriesSmall.
- Use Ajax to get the data about each country. That is, when the Submit button is clicked, Javascript code should make an Ajax request to the server to get the data for the selected country. When the data is successfully retrieved, it is used to fill up the table.
- The data can be returned from the server in any format you want, including plain text, XML, or JSON.
- You do not need to create a CSS file but you are welcome to do so.
- You are welcome to use the jQuery library, but you are not required to do so.

Submission Process:

Leave your working files on the cs325 server in a subfolder named "lab10" for me to observe in action. There should be at least 3 files in the folder: the CountryInfo.php main page, your CountryInfo.js Javascript file, and a GetCountryData.php file that receives the Ajax requests and returns the appropriate data to the user. Furthermore, the countries_small.sql file should be loaded into your database.