**CS 6314.001/002 - Assignment 3 - Top-Five Baby Names**

**Due Date:** Feb 26, 2017, 11:59PM

Every 10 years, the Social Security Administration provides data about the 1000 most popular boy and girl names for children born in the US for each gender at http://www.ssa.gov/OACT/babynames/.

Your task for this assignment is to write JavaScript code for a web page to display the baby names and popularity rankings. You will implement the project using AJAX technology, PHP and DBMS.

On your html page (babynames.html), you will have one division element (for results), two drop-down lists (for year and gender) and one button. Once clicked on the button, you will call Ajax function which will ultimately make a request for babynames.php on the server.

In babynames.php, you will connect to the database and fetch the top-five popular names for the given gender and the given year. (If year is not selected it will show the names for all years. Similarly, if the gender is not selected it will display the names for both boys and girls.)

The results will be passed to the client and will be used to dynamically change the contents of the division on the html page. Along with each baby name, you will also list the popularity ranking of the name for the given year.

For database part, you will create a table with following schema:

BabyNames(name, year, ranking, gender)

For gender values, use ‘m’ and ‘f’.

You can use data given on the following page to populate your table:

<http://www.ssa.gov/OACT/babynames/top5names.html>

It is sufficient if you include data for the years between 2005 and 2015 (including both) or you can use attached sql file to insert tuples.

Database name: HW3

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>

<script>

function getNames(y , g)

{

var genderValue = '';

if(g == 'M')

genderValue = 'Boy';

else

genderValue = 'Girl';

$.ajax({

type:'POST',

url: "babynames.php",

data: { year: y, gender: g},

success: function(result) {

result = $.trim(result);

$('.'+genderValue).html('<h2>'+genderValue+' Names</h2>'+result);

}

});

}

</script>

</head>

<body>

<div>

<select id="year">

<option value="0">Select Year</option>

<option value="2015">2015</option>

<option value="2014">2014</option>

<option value="2013">2013</option>

<option value="2012">2012</option>

<option value="2011">2011</option>

<option value="2010">2010</option>

<option value="2009">2009</option>

<option value="2008">2008</option>

<option value="2007">2007</option>

<option value="2006">2006</option>

<option value="2005">2005</option>

<option value="2004">2004</option>

</select>

<select id="gender">

<option value="0">Select Gender</option>

<option value="male">Male</option>

<option value="female">female</option>

</select>

<button id="getNames" >Get Names</button>

</div>

<div>

<div class="Boy">

<h2>Boy Names</h2>

</div>

<div class="Girl">

<h2>Girls Names</h2>

</div>

</div>

</body>

<script>

$('#getNames').on('click',function(){

var opt = document.getElementById("year").selectedIndex;

var year = document.getElementsByTagName("option")[opt].value;

getNames(year,'M');

getNames(year,'F');

});

</script>

</html>

<?php

$link = mysqli\_connect("localhost","yanjiao","asdf","HW3");

if (mysqli\_connect\_errno()){

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

exit();

}

$year = $\_POST['year'];

$gender = $\_POST['gender'];

$result = "";

$query = "SELECT name,ranking,year FROM BabyNames WHERE year='$year' AND gender='$gender' ORDER BY ranking";

$results = mysqli\_query($link, $query);

$result = "<table border='1px' padding='5px'><th>Name</th><th>Ranking</th><th>Year</th>";

while($row = mysqli\_fetch\_array($results))

{

$name = $row['name'];

$rank = $row['ranking'];

$year = $row['year'];

$result .= "<tr><td><pre>".$name ."</td><td>". $rank . "</pre></td><td><pre>".$year ."</td></th>";

}

$result .= "</table>";

echo $result;

?>