Lab 2

Introduction
This lab will have you implement some of the JavaScript syntax and basic DOM manipulation similar to what we discussed in class. It will also be the first introduction to using AJAX.

Objective
Create a single HTML5 file that includes some CSS and JavaScript embedded on the page. This single file will have some basic JavaScript functionality that queries a server for JSON data with AJAX and displays it on the page.

Requirements
- All HTML tags and page structure should be **HTML5** compliant
- CSS and JavaScript needs to be embedded in the HTML page. I only want one HTML file turned in, and not zipped.
- Do not put any spaces in your file name
- Do not use jQuery for this lab. Pure JavaScript for DOM manipulation and AJAX.
- You need to make sure you do a new AJAX request each time you run the lab. I will be pulling a different set of data randomly.
- The html page should never refresh. Do not trigger a refresh of the browser to reset the page.
- JSON data URL: http://libertyville.rice.iit.edu/scripts/lab2.php

Steps
1. Make a single HTML 5 compliant web page and save it as described in the submission format specification section. It must have an .html extension, be plain text, and follow the HTML skeleton.
2. Embed any CSS in the HEAD section on that same page.
3. Place all JavaScript in an embedded script tag at the bottom of the body section.
4. The JSON data consists of an array of objects. Each object has the following keys: active, email, first_name, gender, id, last_name, title
5. Your html page should generally look like the mockup provided. Use whatever CSS you like. Undergraduate students do not need to style the table like the mockup. Graduate students need to style the table similar to the mockup or in a way similar so it is easy to read.
6. When the "Load Data" button is pushed the page should do an AJAX request to get the JSON data from the provided server URL. You then need to build the table completely with JavaScript using the JSON data provided. I want the header row to always be there

but before data loads just don't have any rows below that. Once the data loads disable the load button and enable the reset button.

7. When the "reset" button is pushed the rows from the table should be removed. Keep the table headers on the page but just no data rows. HINT. It might be easier to delete everything then add just the headers back in vs trying to delete just the data rows. Once you hit the reset button enable the load button and disable the reset button. The reset button should also start disabled.

Graduate Additional Requirements

If you are involved in **any section of 562** you need to complete the additional requirements listed here.

Table and page needs to be styled nicely. I want the active cell in the table highlighted in green if the user has a true value and in red if the value is false.

README File

Not Required for this Lab

Due Date / Late Policy

This assignment is due **Tuesday February 9, 2016 6:25 PM Chicago Time**. We will discuss this in class on February 9 so **no assignments will be accepted as of class (6:25pm) that night**. See syllabus for full late policy. **No Extensions**.

Submission Guidelines

You must upload your submission, to the blackboard assignment by the due date. The submission must be in the following format and structure. If you do not submit your assignment exactly as specified, you will receive an immediate 5% deduction.

Submission Format Specification:

YourUsername_YourIdA#_lab2.html