

Lab 6 – Web API Research

The goal of this assignment is to give you more experience working with JQuery, AJAX, and WebAPIs, and learn about a Web API on your own. In this assignment, you will do some research to learn about the Web API of your choice, and demonstrate your knowledge of using the services provided by the Web API.

Requirements:

1. Choose a Web API from the following sites:
 - a. <https://www.programmableweb.com/apis/directory>
 - b. <http://www.computersciencezone.org/50-most-useful-apis-for-developers/>
2. Create a Web Application that uses the Web API you chose from the previous step.
 - a. Add a simple .html file to your project that will contain JQuery code to implement the application's functionality.
 - b. The application must use the Web API in several ways.
 - i. You must get user input and use it in retrieving information from the Web API.
 - ii. Demonstrate your knowledge of the Web API by using at least 3 different services provided by the Web API.
 - iii. Important: your grade will be based on using multiple services or searches, so don't just have one simple search in your application. For example, if your Web API deals with countries of the world, then allow the user to perform several different searches to find a country's flag, capital, population, etc... If your Web API deals with music and musicians, then let the user find songs by a performer, the performer's bio, or the name of the performer of a song.
 - c. Also, you need to use CSS to style the page and make it look professional and attractive.
 - d. You cannot use WebAPIs discussed in lecture or class examples.
3. Remember to add a section to the labs.html page created in Lab 1 for this lab.
 - a. Include a description of what you learned, what elements you liked/disliked, and a link to the page you created for Lab 6.