Project 2: Use a lib (jQuery) to consume a web service

Working within a library…

In your future career as a web developer, you will be asked to create many different kinds of user experiences. Quite often, you don't have the time to create everything by hand, so knowing how to use pre-existing code will allow you to get your work done on time and be the coding hero.

jQuery had become the de-facto standard library for JavaScript. Created by RIT student John Resig while he was here, it is now being used by numerous companies and is in Microsoft's Visual Studio (so will be of use in all .NET applications). The core of jQuery is solid, but its popularity can be attributed to the ease and number of plug-ins available.

What you will be doing for me is NOT simple. You will be getting information from an existing web service data source (http://www.ist.rit.edu/api/). You will be required to create a web presence for the IST Department – similar to http://www.ist.rit.edu. All of the information in the IST site is in the api, including the map data (overall a vague description, we will be going over it more in class). I will also expect you extend the basic jQuery with at least 3 plug-ins that add functionality to your site.

Requirements

- Write functionality to obtain all the specific areas, the basic 'core' ones that show from the start to the on-demand ones that are requested.
  - all functionality is handled by jQuery
  - Dynamic creation, animations, form validation, browser detection and redirection – all done the 'jQuery' way.
  - The API for the services is available at: http://www.ist.rit.edu/api/
- Professional graphics, styles, animations, interactions and presentation. Make the interface innovative!
- Use of AJAX to pull in your data (from JSON supplied from the web service) using a proxy server (I will provide)
- The use of at least 3 plug-ins that extend jQuery that add to your project. (put some thought into it – have the plugins augment your project!)
- Include the map, footer, and contact form content in your web app.
- Include comments in the code to clearly explain functionality
- When done, zip up the whole thing and turn it in ALONG with a ReadMe file that includes anything you think is above and beyond and a **URL** of where the working file is!
- **DUE DATE: Monday, April 11th @ 5:59pm**

Grading

If you complete all of the above you will receive a B… A good project (worthy of a B) will have all required elements, implemented correctly and with attention to detail. An excellent project (worthy of an A) will have everything a B project has, plus something extra - evidence that you intend to excel. Perhaps it explores an area we didn't cover in detail in class, or would merit me recommending you to a client who needed similar work done on a web application. **Remember, the best projects will be linked from our website as 'Alternative Experiences' – so show your stuff off!**

*PS - be careful - go for the "B" first and get it working… Make sure you have something that **WORKS** to hand in…*