**USING GIT-HUB API – TUTORIAL 01**

Over time Github online API has gone through a few changes with the most current release at version 3. In this tutorial I want to demonstrate how we can build a remote Github webapp using jQuery and Ajax. You enter a username and using the API we pull out some information about the user and their profile stats. Since this requires a remote connection through Ajax you’ll need to host this on some type of web server.

**Getting Started**

So far I’ve downloaded a local copy of jQuery and created another css directory for my stylesheet. Once the user clicks on this link we can pull out all the info we need and create one long string variable holding all the HTML. This gets applied into #ghapidata using the jQuery .html() method

**Different Ajax Calls**

I wrote two separate ways of pulling JSON data from the server, but I want to clarify that either one can work fine. A newer solution $.getJSON() is a shorthand Ajax function where you know the response will be in JSON format. I also put together a different function which allows for a callback method using $.ajax().

**Handling User Input**

I’ve setup a click event listener tied onto the button which calls a new function whenever it gets clicked. It’s important that you recognize we are calling the function I wrote earlier requestJSON() and using the sample user URI to get profile info from Github.

**Organizing API Data**

Our simple JSON object is returned to a variable with the name json. If the user does not exist we don’t get any JSON response, just a string “Not Found”. I’m going to use $.getJSON() and write another function to handle the HTML output onto the page. The repositories variable now contains a full JSON response of the user’s entire repo collection. The simplest way is using .each() on the repositories JSON object. The callback function allows 2 parameters but we only need the index value.

Finally the output function ends with $(‘#ghapidata’).html(outhtml) to render this whole HTML string right into the empty div element.