

Assignment 3: jQuery

The assignment

Build a web page that looks and behaves identically with the one you built for the previous assignment. The page has a status line and a form. However, submitting the form must invoke a CGI-bin program via AJAX; JavaScript code in the web page interprets the AJAX response in order to place the correct information in the status line. The **Inspect** option from the previous assignment is still extra credit.

This web page must not use any `style` or `on-` attributes (such as `onclick`), nor may it have any `<style>` regions. The page may use `class` and `id` attributes, however. The page must use jQuery to (1) establish all CSS, (2) bind JavaScript methods to user actions, and (3) accomplish AJAX.

Method

You may use any language available on the MultiLab machines for the CGI-bin program, but for extra credit, use a different language for this assignment than for the previous one.

You **may not** use any jQuery packages other than standard jQuery 3.5.1. Your JavaScript must all be self-contained.

Your web page should validate without warnings or errors at the W3C online validator (accessible via the developer console).

Your CGI-bin program must function in your MultiLab account and not generate any errors logged by our web server.

Your CGI-bin program should have permissions 0711.

Your CGI-bin program must sanitize inputs to prevent cross-site scripting and code-insertion attacks.

You may refer to online resources and books, but you must not share your work with others. Document (in your CGI-bin program) all the resources you use.

You will be graded both on correctness and code quality.

Turn in

Turn in your web page, your CGI-bin program, and any template files in a single ZIP package via Canvas.