**Assignment Instructions**

Homework 04 - DOM and jQuery

Read this entire homework description once through before proceeding.

**Required Reading**

* Textbook chapters 6 & 9
* LyndaCampus jQuery Essentials
  + [http://www.lynda.com/jQuery-tutorials/essential-training/48370-2.html](http://www.lynda.com/jQuery-tutorials/essential-training/48370-2.html" \t "_blank)
  + Retrieving Page Content
  + Manipulating Page Content

**Task**

Revisit your form with validation from Homework #02, and add the following features:

* Replace all JavaScript code that makes use of attributes for events with jQuery events instead, using “unobtrusive” code techniques.
* Add a new form field called “Role”, which is a dropdown that contains the following items:
  + Student
  + Faculty/Staff
  + Alumni
* A behavior that displays the following form fields ONLY WHEN, and IMMEDIATELY AFTER the corresponding “Role” has been selected by the user in the browser:
  + Student
    - Campus Address (required field, only if student is chosen)
    - Major (required field, only if student is chosen)
  + Faculty/Staff
    - Department (required field, only if faculty/staff is chosen)
    - Location (required field, only if faculty/staff is chosen)
  + Alumni
    - Year of Graduation (required field, only if alumni is chosen)
    - Major (required field, only if alumni is chosen)
* Required field validation is applied, as described in the fields above for each role.

You are expected to implement the behaviors with DOM and jQuery usage, as needed.

**Extra credit for:**

* Appropriate validation (aside from “required field”) is applied to the Major, Location, AND Year of Graduation fields.  You may decide how each field is validated.  Also describe what validation is used and the reason you chose that validation pattern.

**Handing in Your Work**

* Provide, in the Sakai assignment submission area, a URL to your Cloud9 workspace containing the homework content.
* Also provide as an attachment to the homework, a BRIEF 1-page maximum document that summarizes how you implemented each behavior and feature.

**Grading Criteria**

* 9-10 points
  + Only unobtrusive JavaScript is used.  The new form element for role is added as a dropdown, and its behavior is exactly as described by adding new elements as needed, and removing old elements when not needed.  Validation is performed only on existing fields based on role, and all required fields are validated.  Previous form functionality works as described in Homework #02.  JavaScript code is neat and well-formatted.  HTML markup inserted when roles are selected is also neat and well-designed.
* 7-8 points
  + Only unobtrusive JavaScript is used.  Minor issues may exist when adding new elements based on role.  There may be minor issues with validation depending on which role is selected, but validation does mostly function in regard to required field functionality.  JavaScript code may be fairly messy in formatting and appear to be hard to read.
* 5-6 points
  + Unobtrusive JavaScript is either not used or used incorrectly.  Insertions and removals of HTML markup when roles selected may not work correctly in all instances.  Validation does not function correctly.  Code or markup may be messy or not well-designed.
* +1 for extra credit
  + Validation in addition to the “required field” validation is applied to ALL the new fields that appear when specific roles are selected.  That is, for example, year can only be entered as an actual year, etc..  This validation need not be limited to a text box, and may make use of other types of elements.