

In this assignment you will use Javascript/AJAX with jQuery to create a form that updates various fields without clicking on submit.

NOTE: There's lots of new stuff to learn. Feel free to discuss how to do things with friends. But the code you submit must be written by you.

Specifically, continuing on the University schema, you will implement the following:

IN CLASS (submit using this assignment)

Extend your take home servlet assignment as follows.

You can use JSP.

1. Create a registration page that
 1. First checks that the user is logged in, and the ID is a student ID (this is done in Java, not in Javascript). If this succeeds:
 2. Shows a list of currently registered courses in the current year/semester (in Java for the in-class version which you have already done). You should show the course ID, **section ID**, title, department and credits.
 3. Allows users to find courses as follows:
 1. Allow the user to type in any part of a course name, and display matching courses ~~from the department~~ using autocomplete; see <https://jqueryui.com/autocomplete>
 2. Note: you should show course ID, title, department and credits with the displayed course.
 3. This should be done in the same registration page, without changing to a new page.
 4. You can add to the autocomplete list only those courses that are not currently registered by the student **as of when the page is loaded**.
 4. Once a course is selected, it can be added to the list of registered courses by clicking on an Add course button, Clicking on the button should use AJAX to carry out a post action to register for the course. The post method calls a servlet that adds a registration to the database and sends back a status. The status is displayed in a pop-up alert.
 - The list of courses registered should also be refreshed using AJAX; but that is for your take home assignment, need not be done in class.
2. Submit a tarball of your files, including a README file which explains which servlet/html file to invoke to access the page.