

Course 12-780

## Advanced Python and Web Prototyping for Infrastructure Systems

Fall 2017

### Assignment 3 (Total: 8 points)

**For each day the assignment is late, a penalty of 10% of your total grade will be deducted.**

#### **Task 1 (8 point)** *Using the jQuery way*

For this task, please convert some of the functions in the drawing management system for assignment 2 using the jQuery approach.

- a. Please link a jQuery library to the ***drawingManagementPage.html*** file so that jQuery can be utilized.
- b. Currently the <select> element and five <button> elements (initialize, adding drawing to the list, add, update and delete) in the HTML page are linked with Javascript functions using inline coding. Please remove the inline assignment in the ***drawingManagementPage.html***, and add codes in the ***drawingManagement.js*** file to link the event with Javascript functions **using jQuery**. (3 pt)
- c. In the ***drawingManagement.js*** file, the object ***document*** has been used several times to search for HTML tags. Please change them into the jQuery way, and update the codes to make sure that the functions are still working. (5 pt)  
Note: The Select tag is a tricky one to change, because there are several methods and properties that need to be changed to the jQuery way (e.g., how to get the selected index, add the option tags, clear previous options, etc.). Try google for examples online to see how to make such changes.