

# **SWE 642: Assignment 2**

## **XHTML/HTML5 and CSS**

Your next assignment is to create a Web site to provide information about the Computer Science (CS) department including a Survey Form using XHTML/HTML5 and Cascading Style Sheet (embedded or external).

The CS Department Information page should include the following.

- Start with a paragraph (or two) providing a brief description of the department. (You can come up with your own text or borrow from the department's web page). Use XHTML heading elements to format text on your page according to importance.
- Provide the list of MS Degrees and their required courses using the XHTML List or nested list elements as appropriate.

Create a CS Department Survey page that allows prospective students to provide feedback about their campus visit.

- This web page should contain a form with text boxes using appropriate input types for the user name, street address, city, state, zip, telephone number, e-mail, URL, and date of survey.
- Provide checkboxes that allow prospective students to indicate what they liked most about the campus. The checkboxes should include: students, location, campus, atmosphere, dorm rooms, and sports.
- Provide radio buttons that ask the prospective students how they became interested in the university. Options should include: friends, television, Internet, and other.
- Provide a text area for additional comments, and a submit button.
- Using the datalist feature, enable the user to select high-school graduation month (January through December), followed by a text field for year.
- Use XHTML tables to organize the information on your pages (e.g., Form fields in the Survey form could be in an XHTML table)
- Enable the autocomplete attribute for the entire survey form that will allow the user to automatically fill in his/her information (e.g., name, address, email, telephone, etc.) based on previous input.
- Use placeholders where you deem appropriate (e.g., for the date format, email, URL, etc.) that provides an example of the text and/or format/pattern the user should enter.
- Use the required attribute for fields as appropriate that forces the user to enter or select a value before submitting the form.
- When the survey form is opened, you should automatically provide the focus in the first text field on the form to allow the user to begin typing in that field immediately.

In addition,

- Provide dropdown list of options for the user to select the likelihood of him/her recommending this school to other prospective students. The three options of the dropdown list are: Very Likely, Likely, Unlikely.
- Provide a hyperlink to the CS Department Survey Page from the CS Dept Information Page
- Your pages should include the George Mason University Logo as an image link to the GMU Website fixed on the right-bottom portion of your Web page.
- Use an embedded **or** external Cascading Style Sheet (CSS) to customize formatting and presentation of your web page. The CSS could be used for fonts, colors, background etc. You are free to be as much creative as you can. At the very least, the style sheet should include a rule that displays h1 elements in blue, as well as create a style class that could be used to for any element on the page. Also, the heading at the top of the page should use text-shadows, inside a rectangular box using blue solid border of 5px width. Also, the body of the window rendering your page should have a light gray (or a color of your choice) background.
- While your XHTML/HTML5 pages must satisfy all the above criteria, they need not be limited to them.

## **Submission**

Submit your homework by putting a link to it on your password-protected class web page. That is, post a link to the CS Department Information page on your class home page you created for HW-1. As this assignment is XHTML/HTML5 and CSS only, you can create it in the mason.gmu.edu in your public\_html directory.

**NOTE:** We will access each assignment shortly after the due date and not look at your web site afterwards. If you submit an assignment late, you must send an email [to me & the TA](#) telling us that it is ready (late penalty will apply). You must include "swe642" in the subject.

Please submit homework on the Blackboard by providing your URL and login credential.

Making your work available to me and the TA is **your** responsibility; if we cannot access your file then you will not get credit. **Be sure to test the access to your file before the due date.**

### **IMPORTANT CONSTRAINTS:**

1. From homework 1, it is **required** that your class web page be password protected. We must not be able to access your assignments without authentication, and we must be able

to use the username "swe642" and the password (the same as the PIN you supplied in homework 1.)

2. Make sure your last name is on *every* HTML page and programming artifact so we know who it belongs to.

## **Grading Rubric**

- (4 points) — CS Department Information Page
- (6 points) — Student Survey Form
- (8 points) — Satisfaction of the requirements for different fields on the Form
- (4 points) — Embedded or External CSS meeting the specified requirements