Assignment 4: Project Proposal

Although this assignment is a precondition for the Project part of the course, it will count as a normal assignment in terms of grading.

Project Description

In your project you will develop a website based on your submitted proposal. Minor deviation to the proposal is allowed, but if you change your mind and want to work on an entirely different site, you will need to get permission by the instructors.

In this project: first, you are expected to demonstrate each of the skills and techniques developed through the lectures and laboratories, including coding HTML, applying CSS, providing user interaction using JavaScript for form validation and other dynamic features, as well as using XML for data structuring. Also, effective navigation, suitable site structure, and use of appropriate image types should also be taking in consideration during the design.

Main Project Requirements (this is going to be the grading checklist, too)

1. A total of at least 10 web pages to meet your site purpose documented in the proposal.

2. Your website must support the latest version of Internet Explorer, Mozilla and Chrome (use the versions installed on the labs' machines as a final guide).

3. Site Structure

   a. The site should implement a mixed structure, main pages to be linked in a hierarchical structure.

   b. Pages naturally forms a linear chain should be connected using a linear structure.

4. Navigational aids

   a. Site Map

   b. Navigation bar on every page

5. Aesthetics

a. The site should have a consistent look and feel (make sure you use external style sheets and templates for formatting).

b. While maintain a sensing of belonging to the site, minor deviations on subpages are allowed, but the theme should be consistent.

c. The design theme should agree with the site purpose and meet the needs and taste of potential audience.

d. Most importantly, make sure the foreground and background are contrasting well and good typography is used.

e. Sensible use of images and other multi-media formats.

6. Hyperlinks

a. Use relative URLs to ensure portability.

b. Make sure there are no broken images and broken links.

7. A separate README file (can be plain text) in the submission, documenting which page and why you use the following techniques

a. Form Controls

b. CSS

c. XML

d. Client-side Programming: Javascript

e. (optional) Server-side Programming: e.g. PHP

8. Use of free images, free website template, frameworks, free video clips and multimedia files obtained from the Web is permitted, but you will need to provide a separate Reference Page for the site (in addition to the 10+ required pages).

Your Proposal (100% of this assignment)

Select two contrasting sites (a good and a bad one) and evaluate their content and accesibility, according to the following evaluation checklists: 1)

http://www.lib.umd.edu/binaries/content/assets/public/usereducation/evaluating-web-sites-checklist-form.pdf 2) http://www.w3.org/WAI/eval/preliminary.html You will need to submit an HTML document, documenting:

1. The evaluation of a good site

2. The evaluation of a poor site

3. Outline what you want to do for your site. In no more than two A4 pages, you should identify

   - The primary goal of the website, summarized in one or two sentences.
   - The number of web pages and a title for each page.
   - The potential audience, do you need to consider things like old browsers, resolutions, and other accessibility issues.
   - What multi-media content do you want to include?
   - What type of interactions and dynamic features do you want on your site?
   - An indication of where you will be getting the content (including text, images and other multimedia files).
   - What did you learn from reviewing similar sites?

Make sure your names and student numbers are clearly written in the document. You can also name your team.

Submission

Submission can be posted in your course page (in any of the team members) under an appropriate sub-page (e.g., assignment-04) and also has to be uploaded as a zip file on It's Learning before the deadline (Sunday, end of Week 38) - again this is a team assignment.