Assignment 6: Multimedia and forms

1. Adding multimedia in a website (40%)

The zip file for this assignment (www.idi.ntnu.no/~michailg/IT2805/6.zip) contains `multimedia.html`, `mediaWithStyle.css` and `bbb-splash.png`. You will need to download two video files to make the assignment work. These are not to be delivered. Only the `multimedia.html`, `mediaWithStyle.css` and `bbb-splash.png` files are to be delivered for task 1.

Insert the embedded movie clip `bigBuckBunny.ogg` in the div box movie. Make sure to include an error message and a descriptive text e.g., "a video of a big buck bunny", for accessibility reasons and for browsers that don't support the `<video>` element.

You are also to add a poster picture, `bbb-splash.png`, that will be shown in the mediaplayer instead of the first frame of the movie.

Download the movie in two compatible formats that can be played on at least IE, Chrome, Opera, Safari and Firefox. You can download it from here: http://www.bigbuckbunny.org/index.php/download/. We recommend downloading the 480p version.

2. Forms

a) Basics (20%)

Design and build a web page with a form to collect requests from potential students for information on the IT2805 Web Technology course.

We need the following information collected:

- name of prospective student
- their email
- address (optional)
- contact phone number (optional)
- type of student (1st Year-Freshman, 2nd Year-Sophmore, 3rd Year-Junior, 4th Year-Senior)
- expected start date
- which classes the student is interested in
- any special requests or comments

The classes available are:

- ITX1001: HTML Basics

- ITX1002: URLs and Site Structures
- ITX2001: Introduction to Cascading Style Sheets (CSS)
- ITX2002: CSS Properties and Applications
- ABC1001: Working with Multimedia on the Web
- JSX1000: Introduction to JavaScript
- JSX1040: JavaScript: DOM
- XML1000: XML: Formatting Namespace Trees

Students can be interested to participate in as many classes as they want, so it should be possible to select multiple classes.

Please use an appropriate type of input tool for each piece of information: input text box, radio buttons, check boxes, text areas etc.

Also use labels and other HTML layout controls to make the page convenient and straightforward to use.

b) Submitting data (20%)

Add the necessary modifications to the form so that the data will be submitted to `http://www.idi.ntnu.no/~michailg/IT2805/form.php` using the POST method. The data should be submitted in variables named `name`, `email`, `address`, `phone`, `year`, `startDate`, `comments` and `classes[]`, respectively.

For `year`, the submitted value should just be the year number, i.e. if the user selects "1st Year - Freshman", the `year` should be `1`.

For `classes[]`, use the subject codes as the data values.

c) Basic validation (20%)

Mark the non-optional fields as required so that the form will not submit until these fields are filled in and add styling rules using the appropriate pseudo-selectors to indicate when a required field is missing data, for example with a red border.

Studying for the forthcoming midterm test

With our study so far, you should be comfortable at:

- converting relative URLs into absolute URLs;

- writing simple HTML pages using `<h1>` ... `<h6>`, `<p>`, `<table>`, `<img>`, `<a>`, `<ul>`, `<ol>`, `<dl>`, and `<a id="">` without having to refer to a reference;

- incorporating CSS into HTML documents and be able to use sensible type of style sheets for site, page and inline content presentation.

- writing style sheets using simple class selectors, id selectors, element selectors and pseudo-class selectors.

- using the basic form controls such as textbox, selection list, check box and radio buttons.

The midterm test will contain short answer questions for explaining basic concepts and some questions on HTML and CSS coding.

Submission

Submission can be posted in your course page under an appropriate sub-page (e.g., assignment-06) and also has to be uploaded as a zip file into It's Learning before the deadline.