



Team Number: 9 Date: 2/5/2016

Lab Exercise: HTML

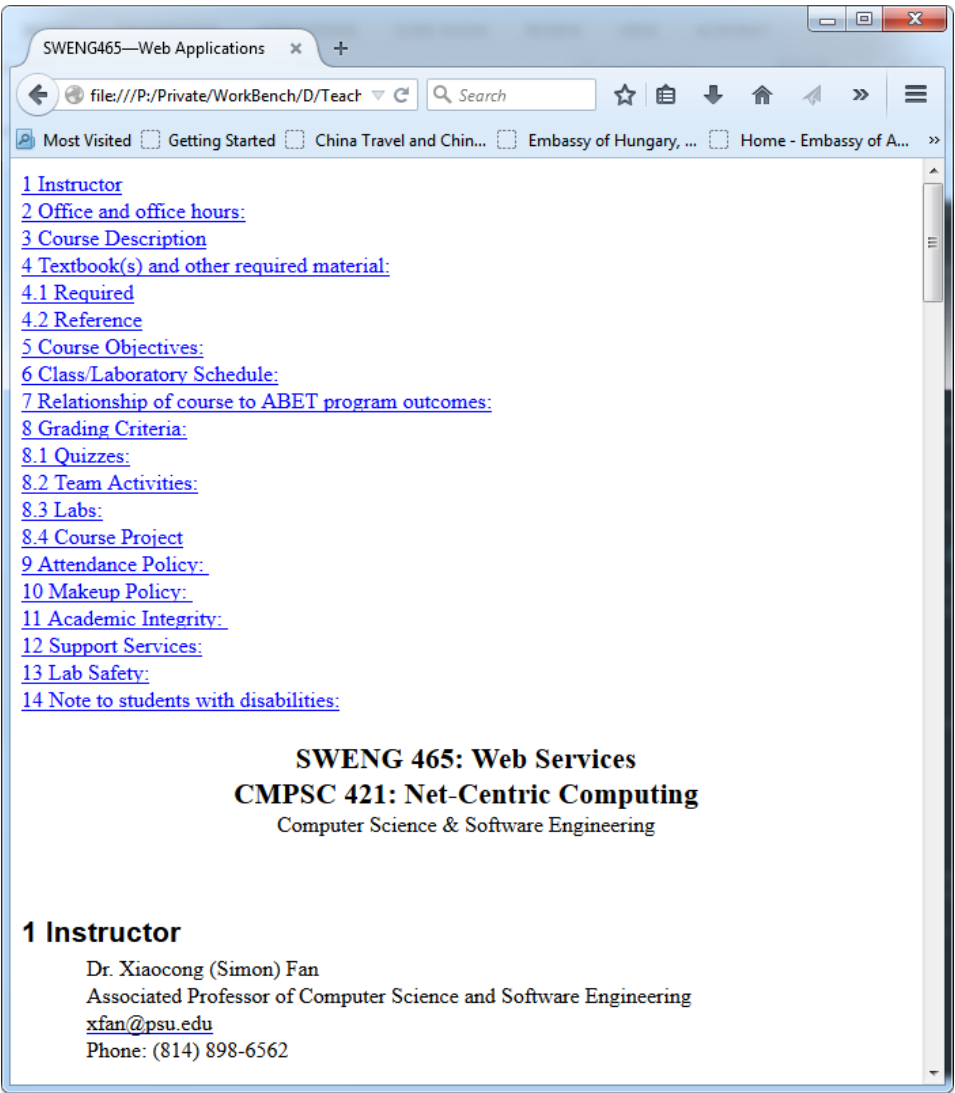
Lab Objectives

You will practice how to:

1. Write HTML pages;
2. Manipulate HTML tags;
3. Traverse HTML document in Javascript;
4. Use CSS

Description of the Problem

1. **[10 points]** Moving the time display from the about.html to the top-right corner of the top-navigation bar.
2. **[20 points]** Use the content of the file [Web-Syllabus.pdf](#) to create an HTML web page named **syllabus.html**. Load it into a web browser and make sure it can be displayed correctly.
3. **[10 points]** Use a css file for **syllabus.html** such that the styles of the web page look similar to the pdf file.
4. **[10 points]** Server-side scripting: Modify your server code so that it can send **syllabus.html** to clients' upon user requests from a web browser.
 - a. Inside this lab report, paste a screenshot of the web browser with the beginning part of **syllabus.html** displayed.
5. **[30 points]** Client-side scripting: upon **syllabus.html** loaded (use the **window.onload** property), use JavaScript to dynamically generate a “table of contents” node and insert it in the beginning of the page display. Your code should work for any document, not just the syllabus provided. The screenshot below shows the expected display.



- a. Inside this lab report, paste a screenshot of the web browser with the content part of `syllabus.html` displayed.
- 6. [20 points] Self-learning credits: Click any link in the table of content, the corresponding part of the page should be the focus of display.

Lab Submission:

- 1. Provide individual performance in the table below (performance factor is a real number between 0.0 and 1.0, individual grade is lab grade times his/her performance factor)

Student Name	Performance factor
Yehya Awad	0.34
Manan Patel	0.33
Mohamad Ibrahim	0.33
Add more rows if needed	

- 2. After pasting the 2 screenshots inside this lab report, save it to a PDF file with the name **CSSE-WEB-Lab-3-Team-X.pdf**, where **X** is your team number;
- 3. Submit to Angel->Labs->Lab1 -> Submissions. Your submission should be one zip file with the name **CSSE-WEB-Lab-3-Team-X.zip** (where **X** is your team number) that includes:
 - a. **CSSE-WEB-Lab-3-Team-X.pdf**;
 - b. The Website folder, excluding the sub-folder node_modules generated by npm;

localhost:8080

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AboutSyllabusCloudChat

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Course Description

Objective

The goal of the course is to introduce students to the most significant and exciting computing paradigm--net-centric computing and service-oriented computing, which is expected to have an impact on all aspects of software construction at least as wide as that of object-oriented paradigm. This is a wide area and it is ever-evolving. We focus on the following aspects

On the client

We will learn HTML5, Cascading Style Sheets, and JavaScript to develop the client side of Rich Web Applications.

client-server-communication

We will learn Ajax. We will also learn how JavaScript Object Notation (JSON) can sometimes be used as a viable alternative to XML for server to client data transmission.

On the server

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AboutSyllabusCloudChat

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12. Support Services

13. Lab Safety

14. Note to students with disabilities

CMPSC 421: Net-Centric Computings

Computer Science and Software Engineering

Instructor

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