

EECS 1012: LAB #1 – Introduction to Virtual Box and HTML (September 18 – 22, 2017)

#Important reminder for your first lab

- 1) You **must** attend your assigned lab session (**we will be marking your submission in the lab**).
- 2) You must arrive on time – anyone later than 30 minutes will not be admitted to the lab.
- 3) Only a valid physician statement will be accepted if you are absent.
- 4) Each lab is 2% of your overall grade.

1. GOALS/OUTCOMES FOR LAB

- To get you familiar with the lab environment that uses Oracle's Virtual Machines
- To get you familiar with an HTML/Code editor, in this case Atom
- To write your own HTML document based on the lecture notes and access it through your Virtual Machine as well as your mobile phone
- To get you familiar with submitting your lab results through Moodle

2. LAB 1 – TASK

Part 1: Using the Virtual Machine

- Start the lab machine. Each Virtual Machine in the lab is running an fully functional Apache Web Server
- Launch Firefox (this will automatically open the index.html in the WWW directory)
- Find your IP address by following the instructions on the index.html webpage
- Access the webpage from your mobile phone (**your phone must be connected to AirYorkPlus wifi**)

Part 2: Create an HTML document named “aboutme.html” in the WWW directory. See following page for details of HTML content and an example.

- Use the Atom editor (you can find this under “application” menu) to edit your document.
- In Atom, save the file as “aboutme.html”
- You can view it in Firefox at the URL: localhost/aboutme.html

Part 3: Validate your HTML code using the <https://validator.w3.org> (upload your .html file)

- If you have errors, fix them and retry the validation until your HTML document is error free.

Part 4: View your HTML file on your mobile device using your virtual machine's IP address.

- View your “aboutme.html” webpage on your mobile phone the same way you did for Part 1. In this case, the URL will be: <http://YourIPAddress:8080/aboutme.html>
- E.g. if your IP address is: 184.147.44.54, then access from your phone's browser <http://184.147.44.54:8080/aboutme.html>
- **Remember, your phone must be connected to the AirYorkPlus wireless to work.**

3. SUBMISSIONS

1) [Manual verification by a TA]

You will need to have one of the TAs verify your lab before submission. This TA will mark your name off a list and ask you to sign that you have been verified.

2) Moodle submission

You will see an assignment submission link on Moodle. Create a folder named “Lab1” with all your lab materials inside. This folder should be compressed (or tar.gz on the VirtualBox machines) and the compressed file submitted. Please follow the instructions in the following video:

<https://www.youtube.com/watch?v=stEOh6ntV5o>

Webpage Content for Task 1 – (filename: aboutme.html)

- 1) Create a webpage named “aboutme.html” following the instructions on the right. Title of webpage should be “EECS1012 – Lab 1”.
- 2) Your virtual machines IP address (*header2* element)
- 3) Three courses you are taking (*header2*, followed by *unnumbered* list)
- 4) Your time table (*header2* element), followed by a table, 10 rows x 6 columns – (see below)
- 5) Links to two foods you like (*header2* element), two images - one should be a local reference image (you’ll need to save the image to the WWW directory), the other should be an URL source. Both images should be clickable and linked to wiki pages with more information about them.

Title of webpage: EECS1012 – Lab 1

About Abdel Zhang

Two to three sentences about yourself. For example, I (a fictional student) have an Egyptian mother and Chinese father, but grew up in Canada. I enjoy great food everyday.

My IP address: 184.147.44.54


Courses I'm taking this sememster.

- EECS1012: Net-centric Computing
- FR 1030: Intermediate French
- CDNS 1740: The Roots of Modern Canada

My weekly timetable

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am					
10am	FR 1030		FR 1030		FR 1030
11am					
noon					
1pm					
2pm	EECS1012				
3pm	EECS1012	CDNS 1740		CDNS 1740	
4pm		CDNS 1740		CDNS 1740	
5pm					

My Two Favorite Foods - with Links



H1 element – About Your Name

Paragraph element, two to three sentences about yourself

Use horizontal rulers to separate sections.

H2 element – your IP address

H2 element of courses you are taking, followed by unordered list with course code and name

H2 element for your weekly timetable, followed by table showing your schedule (9am-5pm is fine)

Two favorite foods, one image src attribute should be from an “URL source”, the other a local source (this means you’ll need to save the image in the WWW directory). Both images should be clickable links to wikipedia pages of that food item. Give the images same height attribute.