

CSE326: Web Application Development

Lab 1: Basic HTML

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Lab 1 exercises

Lab 1: Basic HTML - create a basic "About Me" HTML page.

1. Basic "About Me" Page
2. Courses @ HYU
3. Favorite Movie, Thing, and Quote
4. Fun Facts About My Neighbors
5. YouTube Video
6. Additional Content
7. Validation Links
8. Validate Your Page
9. Upload Your Page

Ex 1: Basic "About Me" Page

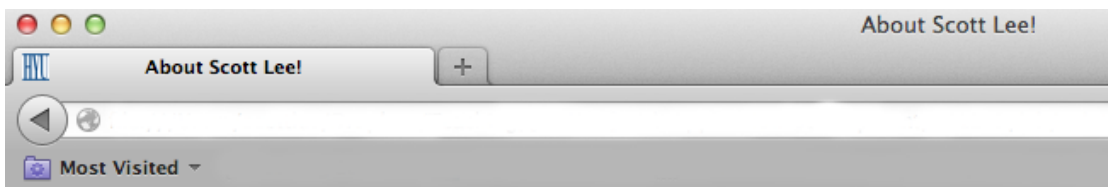
Create a page `aboutme.html` that describes you. The page should include the followings:

- page title: About *your name*!
- character encoding: UTF-8
- page heading: your name
- favicon: attach your favorite icon or image
- a description of you in ≤ 2 sentences
 - emphasize an important word in italic
 - strongly emphasize more important words in bold
- a horizontal line

Ex 1 example

This example page describes course lecturer Scott Lee.

Look at the [lecture slides](#) about HTML to see examples of the right tags to use.



Scott Lee

My name is Scott and I am *picky* but **straightforward** and **reliable**.

Ex 2: Courses @ HYU

Create a list of courses that you are taking right now at HYU. This part of the page should include the followings:

- heading: My Courses @ HYU
 - indicate that the abbreviation, HYU, stands for "Hanyang University"
- unordered list in the form of - Course Code: Course Title

Ex 2 example

This part of the example page describes courses that Scott teaches.

My name is Scott and I am *picky* but straightforward

My Courses @ HYU

Hanyang University

- CSE107 : Logical Fundamentals of Programming
- CSE326 : Web Application Development
- CSE603 : Management of Semistructured Data
- CIN870 : Formal Methods

Ex 3: Favorite Movies

Create a list of your 3 favorite movies in **reverse** order. This part of the page should include the followings:

- make a link to an interesting site about each movie, such as its [IMDB](#) page
- look up the most favorite movie on [imdb.com](#) and reproduce *director*, *genre*, and *stars* information about the film in a nested list under that movie's bullet.
 - These info is in short topic: → value pairs, such as Genre: Comedy.
 - Therefore, represent it as an HTML definition list.

Ex 3 example

This part of the example page describes Scott's 3 favorite movies.

My Favorite Movies

3. Fight Club ([IMDB](#))
2. Pulp Fiction ([IMDB](#))
1. Jerry Maguire ([IMDB](#))
 - Director
Cameron Crowe
 - Genre
Comedy / Drama / Romance
 - Stars
Tom Cruise, Cuba Gooding Jr., Renée Zellweger

Ex 3: Favorite Thing

Present images of your 3 favorite things. This part of the page should include the followings:

- choose your thing, such as cars, drinks, places, people, ...
- select your 3 favorite things
- look up images of the 3 things with [Google Images](#)
- add brief description about the things and present them in your page

Ex 3 example

This part of the example page describes Scott's 3 favorite cars.

My Favorite Cars

(I have actually owned and drove these cars, except the "86"!)



Ex 3: Favorite Quote

Present your favorite quote. This part of the page should include the followings:

- choose your favorite quote and present it in your page
 - represent your quote using blockquote
 - wrap the text with double quotation marks
 - emphasize the person from whom this quote comes and add a horizontal line in front using character entity

Ex 3 example

This part of the example page describes Scott's favorite quote.

My Favorite Quote

"We don't know one-millionth of one percent about anything."

– *Thomas Edison*

Ex 4: Fun Facts About Neighbors

Create a table that presents fun facts about your neighbors. This part of the page should include the followings:

- the table with :
 - caption describing the table
 - *First Name* and *Facts* as headings
 - use deleted and inserted texts

Ex 4 example

This part of the example page describes fun facts about Scott's SE Lab members.

Fun Facts About My Friends

| SE Lab Members | |
|----------------|--|
| First Name | Facts |
| Jaeho | likes Working Out |
| Jaejin | likes Working Out <u>Crayon Pop</u> |
| ... | |

Ex 5: YouTube Video

Embedd a YouTube video that you like.

- select any YouTube video that you like and embed it in your page
 - use object element of HTML5
 - chosen video must be playable when embedded
 - present a short description about the chosen video

Ex 5 example

This part of the example page shows a short Youtube video embedded in Scott's "About Me" page.

Funny video from YouTube

Web Developer Nightmare



Ex 6: Additional Content

Present an additional content to your page. This part of the page should include the followings:

- use one of new features in HTML5

Ex 6 example

This part of the example page shows Scott's favorite jazz song embeded in his "About Me" page.

One of My Favorite Jazz Songs

Watermelon Man by *Herbie Hancock*



Ex 7: Validation Links

Add links on your page to the HTML and CSS Validators, using the URLs below.

- image: <http://selab.hanyang.ac.kr/courses/cse326/2017/lecture/images/w3c-html.png>
- link URL: <http://validator.w3.org/check/referer>

- image: <http://selab.hanyang.ac.kr/courses/cse326/2017/lecture/images/w3c-css.png>
- link URL: <http://jigsaw.w3.org/css-validator/check/referer>

(These links work only if you view your page on server, not on your computer's hard drive.)

Ex 7 example

This part of the example page indicates the validation links in Scott's "About Me" page.



Exercise 8: Validate your page

Validate the syntax of your HTML code:

1. open <http://validator.w3.org>
2. validate your page by either
 - "Validate by File Upload" and then browse to your `aboutme.html` file
 - "Validate by Direct Input" and then copy.paste your code into the text box
3. If there are any errors, fix them all
 - try to get the green bar for 0 errors. "Warnings" are ok
 - if you do not understand the error messages, ask TA for help

Exercise 9: Upload your page

- Use APMSETUP/MAMP and upload your page to your Apache root directory
 - Put your files in a folder named `lab1` within your `htdocs` folder
- Check the page by viewing it in the web browser. Its URL should be:
 - `http://localhost/lab1/aboutme.html`

If you finish them all...

If you finish all the exercises:

1. you can add any other content you like to your page
2. **check in** with a TA to get credit for your work
3. submit your html file at **Online Lecture** site
4. you may be able to be dismissed

Great work!