

CSE3026: Web Application Development

Lab 1: Basic HTML

Software Engineering Lab

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Basic lab instruction

- You are advised to look up syntax and examples from the lecture slides.
- Ask TA or your classmates for help, if needed.
- Talk to your classmates to share ideas; but do not copy or share code.
- Complete all of the exercises in the allotted time.
- Before you leave, check in with a TA to get credit for your work.

Text Editors

There are text editors to create a web page

- Notepad++
- Aptana Studio
- Sublime Text
- Atom (Mac OS Only)

Lab 1 exercises

Lab 1: Basic HTML - create a basic “Weekly plan” HTML page. Because of Privacy, you don’t need to use actual information about you. This lab is consist of followings:

1. Basic “Weekly Plan” Page
2. To do list
3. Shopping list
4. My favorite styles
5. Menu plan for this week
6. Recipe from YouTube
7. Favorite songs
8. One of my favorite songs
9. Favorite Lyrics
10. Short Quiz
11. Validation Link
12. Validate Your Page
13. Upload your page

Ex 1: Basic “Weekly Plan” Page

Create a page `weeklyplan.html`. The page should include the followings.

- page title: Weekly Plan
- character encoding: UTF-8
- page heading: Weekly Plan
- favicon : attach your favorite icon or image
- add a horizontal line

Ex 1: example

Weekly Plan

Ex 2: To Do List

Create a unordered list of tasks to do. This part of the page should include the followings.

- add at least 2 tasks
- contain period and information
- emphasize name of task in bold.

Ex 2: example

To Do List

- **Web Application Development Homework**
Until next Tuesday
- **Go Shopping**
This weekend

Ex 2: Shopping List

Create your ordered shopping list. This part of the page should include the followings:

- categorize your shopping list
- add list item in nested list.
 - use nested list and free format

+) Additional Points: Create list in reversed order

Ex 2: example

Shopping List

1. Grocery :

- Vegetables
 - Onions
 - Cabbages
 - Carrots
- Meats & Seafood
 - Bacon
 - Chicken
 - Sea shell
 - Pork Cutlets

2. Clothes :

- T-shirts
- Hoody Jacket
- Jeans

Ex 2: My Favorite Styles

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

- select your 3 favorite styles
- look up images of the 3 styles with Google Images
- add brief description about the styles and emphasize the important word
- present them in your page

Ex 2: example

My Favorite Styles

To fit these outfits, *I should go on a diet!*



1. downtown dress



2. skinny jeans



3. leather jacket

Ex 2: Menu Plan

Create an unordered list of your menu plan for this week.
This part of the page should include the followings:

- add at least 3 items about menus.
- use deleted and inserted texts

Ex 2: example

Menu Plan for This Week

- Monday : ~~Chicke Salad~~ Big Mac
- Tuesday : ~~Tomato Soup~~ Rice Noodle
- Wednesday : Egg Sandwich
- Thursday : Vongole Pasta
- Friday : Fried Rice

Ex 2: Recipe from Youtube

Embed a recipe video that you choose in the menu plan for this week

- 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
 - add a horizontal line

Ex 2: example

Recipe from Youtube

Spaghetti Vongole with Squid



Additional Contents

Following exercises are related with Problem on Course homepage.

- If you already did homework, you can do following exercises easily.

Ex 3: Favorite Songs

Create a table of your 3 favorite songs. This part of the page should include the followings

- look up the most favorite songs and find year, genre, artist, and album name about the songs.
- the table with:
 - caption describing the table
 - Number, Title, Year, Genre, Artist, Album as Headings

Ex 3: example

My Favorite Songs

My favorite song list

Number	Title	Year	Genre	Artist	Album
1	Maps	2014	Pop	Maroon5	Maps
2	Don't Look Back In Anger	1996	Rock	Oasis	Don't Look Back In Anger
3	Someone Like you	2011	Ballad	Adele	21

Ex 4: Favorite Song

Embed a song that you like. This part of the page should include the followings:

- select any song that you like and embed it in your page.
 - embed a song using a new feature in HTML5
 - present short description about the chosen song

Ex 4: example

One of My Favorite Songs

Insecure Love by Urban Zakapa



Ex 5: Favorite Lyrics

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

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

Ex 6: example

My Favorite Lyrics

"Sometimes it lasts in love, but sometimes it hurts instead"
– *Someone Like you*

Ex 6: Short Quiz

Create a definition list of words related with this course. words are in next page. This part of the page should include the followings:

- indicate abbreviation of each word
- provide description for each word

Ex 6: example

Short Quiz

DNS

Abbreviation of this word

MTU

description

ISP

description

Ex 7: Validation Links

Add links on your page to the HTML using the URLs below.

- **image:** <http://selab.hanyang.ac.kr/courses/cse326/2015/problems/images/w3c-html.png>
- **link URL:** <http://validator.w3.org/check/referer>
- **image :** <http://selab.hanyang.ac.kr/courses/cse326/2015/problems/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



Ex 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 weeklyplan.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

Ex 9: Upload your page

- Use 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/weeklyplan.html>