CSE3026: Web Application Development

Lab 2: CSS for Styling

Software Engineering Lab

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Lab 2 exercises

Lab 2: CSS for Styling - create a style for your "Weekly Plan" HTML page. This lab consist of the followings:

1. CSS Stylesheet
2. CSS Styles – Fonts
3. CSS Styles – Colors
4. CSS Styles – Text
5. CSS Styles – Table
6. CSS Styles – Advanced
7. Validate Your Style
8. Upload Your Files

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Ex 1: CSS Stylesheet

Improve the appearance of your "Weekly Plan" page

- create a stylesheet named weeklyplan.css

- put weeklyplan.css file inside the folder where your "Weekly Plan" page is

- embed your external stylesheet on your "Weekly Plan" page

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Ex 2: CSS Styles – Fonts

Change fonts of your "Weekly Plan" page:

- set body font style – text in the body should be displayed in "Arial", "Georgia", or sans-serif font (in this order of precedence)

- change the font size of the second heading to 1.8 em

- reduce the font size of the text in the definition lists to 75%

- make a definition terms in a definition list bold

- make the first character of the first word in a paragraph bold and change its font size to 150%

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Ex 3: CSS Styles - Colors

Change colors of your "Weekly Plan" page:

- set the color of the page to #8ED4E6 and background-color of the page to #4051B5

- set the color of an insertion to #10FF10

- set the color of a deletion to #FF3636

- set the color of first and second heading to #91D8C2

- set the color of definition list to #FDFD1B

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Ex 4: CSS Styles – Text

Change text style of your "Weekly Plan" page:

- align the first heading to the center

- remove the text decoration for insertion

- make insertion to bold when mouse is over it

- put #ACACAC text shadow for the strongly emphasized text (2px to the left and bottom)

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Ex 5: CSS Styles - Table

Create table style of your "Weekly Plan" page :

- draw a solid border line for table and every cell in the table

- merge the border line for table and cells

- set the background color of the last row to white (use pseudo-class, last-child)

- align the text in the caption to the right

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Ex 6: CSS Styles – Advanced

Create advanced styling of your "Weekly Plan" page:

- change the number style for ordered list to lower-greek

- set the image sizes to width 300px, height 300px

- the size of validation link images should not be changed (override style for validation link images)

- download and add background images to your page – the background image should:

  - be at the top right hand corner of your page

  - not repeat

  - be fixed and not scroll with the rest of the page (background image should always stay at the same position of the page when scrolled)

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Weekly Plan

To Do List

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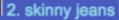- ~~Go Shopping~~
  This weekend

Shopping List

α. Grocery :
- Vegitables
  - Onions
  - Cabbages
  - Carrots
- Meats & Seafood
  - Bacon
  - Chicken
  - Sea shell
  - Pork Cutlets

β. Clothes :
- T-shirts
- Hoody Jacket
- Jeans

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My Favorite Styles

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

1. downtown dress

2. skinny jeans

3. leather jacket

Menu Plan for This Week

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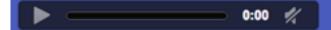- Friday : Fried Rice

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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

One of My Favorite Songs

Insecure Love by Urban Zakapa

▶ 0:00

My Favorite Lyrics

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

Short Quiz

DNS
a hierarchical distributed naming system for computers, services, or any resource connected to the Internet or a private network.

MTU
The largest size packet or frame, specified in octets (eight-bit bytes), that can be sent in a packet- or frame-based network such as the Internet

ISP
an organization that provides services for accessing, using, or participating in the Internet.

W3C HTML5 W3C CSS

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Ex 7: Validate your style

Validate the syntax of your CSS code:

1. open http://jigsaw.w3.org/css-validator/

2. validate your page by either

    - "Validate by File Upload" and then browse to your weeklyplan.css 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

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Ex 8: Upload your page

- Use MAMP and upload your page to your Apache root directory

  - Put your files in a folder named lab2 within your htdocs folder

- Check the page by viewing it in the web browser. Its URL should be:

  - http://localhost/lab2/weeklyplan.html

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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. you may be able to be dismissed

If you don't finish all the exercises on time:

1. **upload your files to gitHub** at least 14:55

2. you can get some marks from your uploaded files

3. you **can't get any marks** if you submit result <u>after 15:00 Thursday</u>

Great Work!

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