Tutorial #1: HTML and CSS

CS374: Introduction to HCI

2017. 3. 6.

Hyungyu Shin

Learning Objective

Student will be able to build the following website on codepen.io

Hyungyu Shin

School of Computing

Hi, I'm Hyungyu Shin. I'm taking Introduction to Human-Computer Interaction course. We have course activities in this semester as follows.

- Design project
- Studios
- In-class Activities
- Programming Assignments

If you want to contact me, please refer to the following information.

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Comment: *CS374 is awesome*

HTML

- **H**yper**T**ext **M**arkup **L**anguage

- A language for creating web pages

Source Code of HCI Course Webpage

Web Browser

- A software that interpret and render web pages

Web Browser

- A software that interpret and render web pages

- Different browser may present different result
  - We will use **the latest version** (56.0.2924.87 (64-bit)) of **Chrome** browser
  - Make sure that you're using the browser for your assignment.

Short Demo

Presenting "Hello World" on Chrome browser

Let's use codepen.io

How do we make "Fancy" website ?

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How do we make "Fancy" website ?

1) Font

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How do we make "Fancy" website ?

1) Font
2) Horizontal line

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How do we make "Fancy" website ?

1) Font
2) Horizontal line
3) Hyper link

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How do we make "Fancy" website ?

1) Font
2) Horizontal line
3) Hyper link
4) Listing, different font, margin

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How do we make "Fancy" website ?

1) Font
2) Horizontal line
3) Hyper link
4) Listing, different font, margin
5) Table

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Demo

Write the code after me on <u>codepen.io</u>

Summary of HTML

- A language for creating web pages

- Different browser may present different result

- Terms
  - Elements：⟨tag⟩ contents ⟨/tag⟩
  - Tags   ：⟨h1⟩, ⟨ul⟩, …
  - Attributes：href='link_here'

- **YOU DON'T NEED TO MEMORIZE TAGS**
  - Google it whenever you want to do something

The gospel (according to Zeldman)

Behaviour — JS

Presentation — CSS

Structure — HTML

The gospel (according to Zeldman)

Behaviour — Tutorial #2 — JS

Presentation — CSS

Tutorial #1

Structure — HTML

https://www.christianheilmann.com/2011/08/15/getting-rusty-we-need-new-best-practices-for-a-different-development-world/
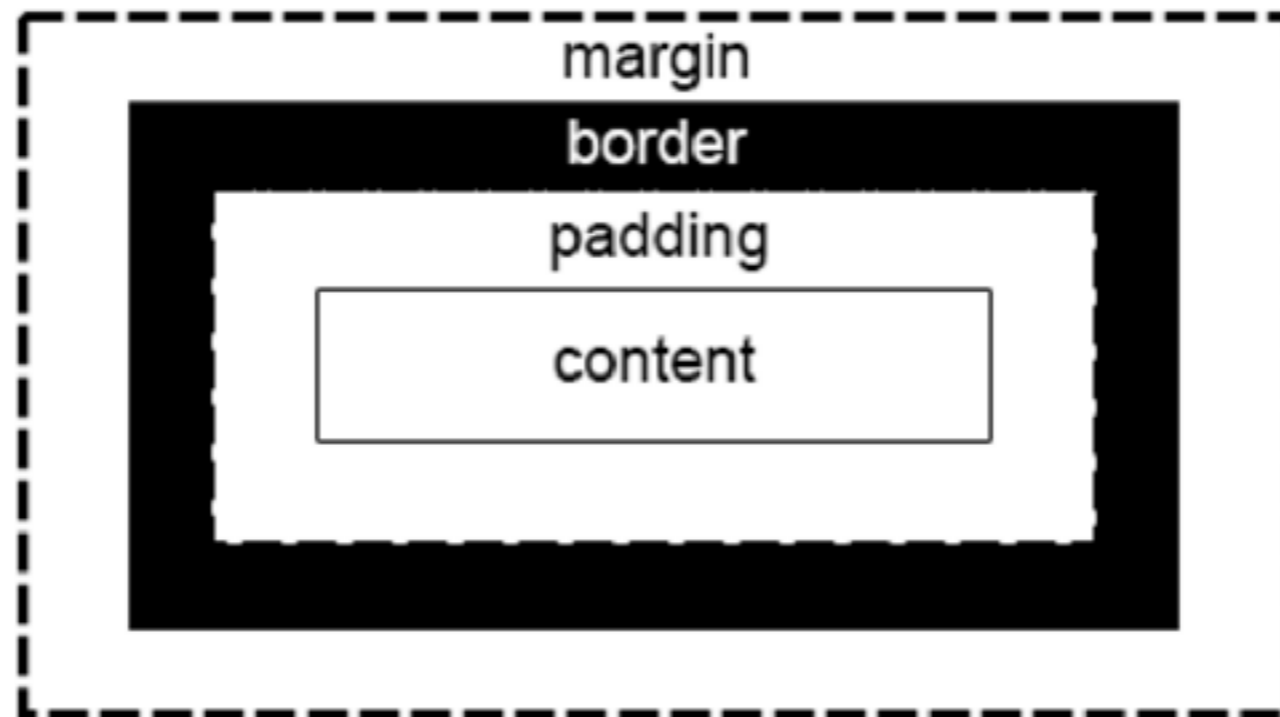
Cascading Style Sheets

- A language for **presenting** contents

Cascading Style Sheets

- A language for **presenting** contents

- CSS Box model
  - An element can be considered as a box

Demo

Write the code after me on <u>codepen.io</u>

CSS Summary

- A language for presenting contents

- **Separation of presentation and content**

- You can apply same format to
  - all elements with a tag
  - a group of elements
  - an element

CSS Summary

- A language for presenting contents

- **Separation of presentation and content**

- You can apply same format to
  - all elements with a tag
  - a group of elements   (class)
  - an element

CSS Summary

- A language for presenting contents

- **Separation of presentation and content**

- You can apply same format to
  - all elements with a tag
  - a group of elements   (class)
  - an element   (id)

Demo

Let's briefly see how HCI course webpage is made up of

No codepen.io for assignment submission

- This is **a tool** for reducing unnecessary jobs

- Make sure that **you have .html that includes .css**

- Submit your .zip containing .html and .css on KLMS

Tutorial #2: Javascript

- How do we make the web page do something ?
  - Increase the size of font when I click a button
  - Send an e-mail with contents that user typed

- Javascript could be a solution

Thank you for listening :D

Questions are welcomed

Hyungyu Shin