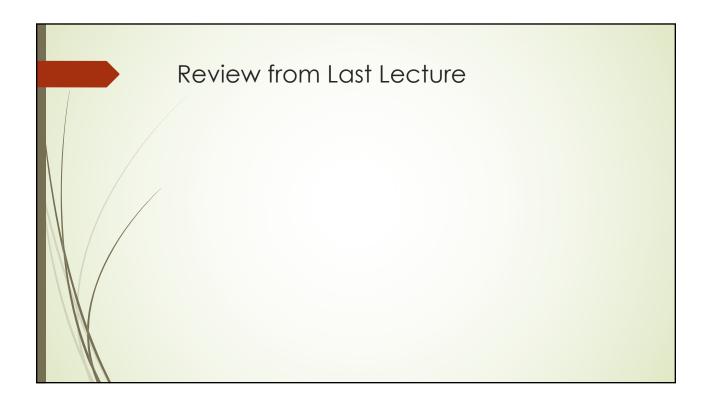


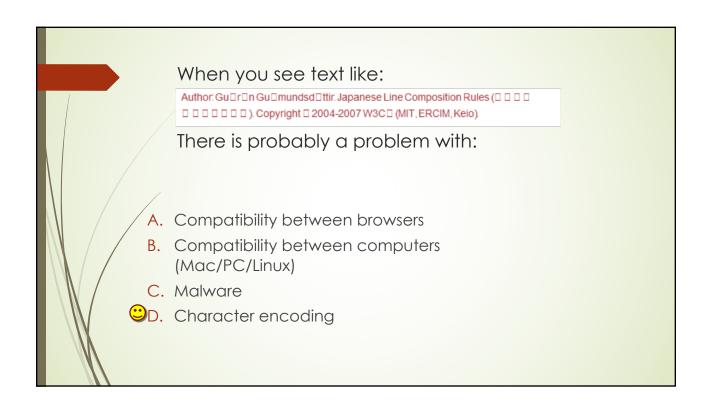
# What will be Covered Today?

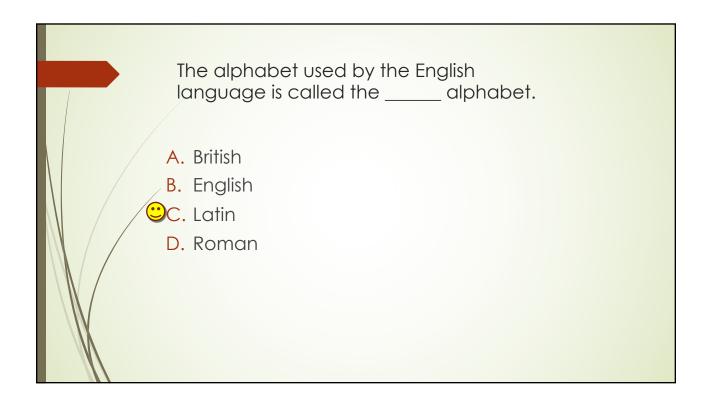
- Review from last lecture
- Some Announcements
  - ➤ Buying a shared hosting from DreamHost (as a part of HW5)
  - Final Project Review (as a part of HW5)
  - Midterm Exam 2
- ❖ Working with XHTML
- Web Fonts vs. System Fonts
  - ➤ Google Fonts & Icon Fots
- A demonstration for Lab 7 Assignment

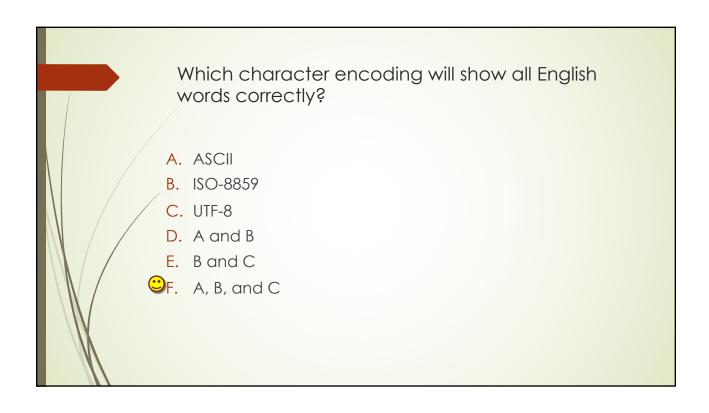
# **Assignments**

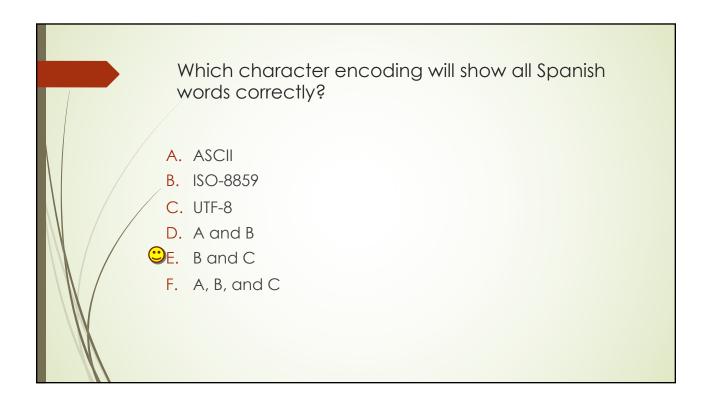
- New Assignments
  - > HW 5 was posted today
    - ✓ Due next Monday at 6:00 pm.
- Deadlines
  - > HW 4 due date was today at 6:00 pm
  - ➤ Lab 7 Assignment due is Wednesday at 6:00 pm.
- Grades
  - ✓ Lab 6 Assignment was posted on BB.
  - ✓ Lab 7 Challenge was posted on BB.

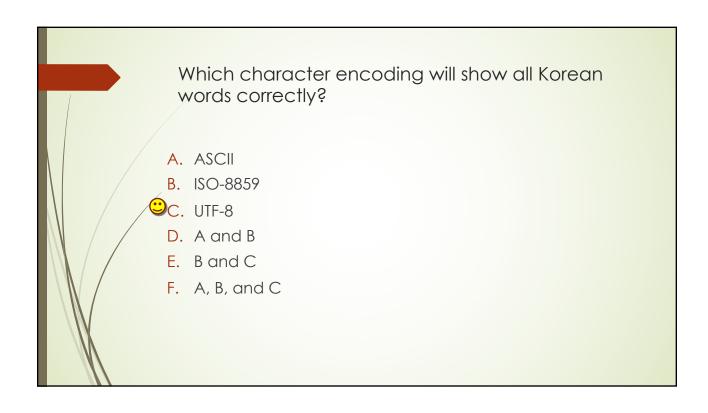


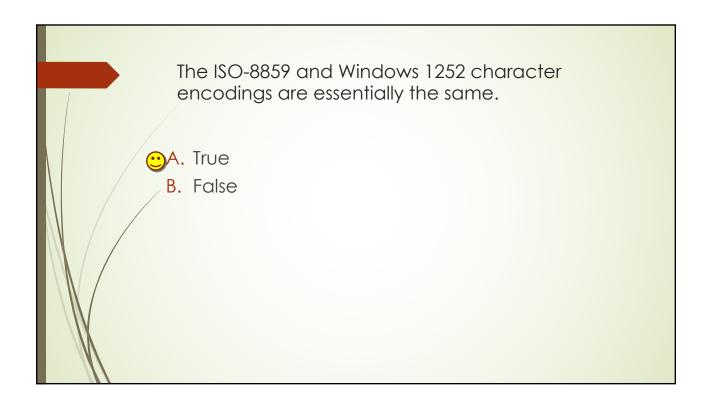


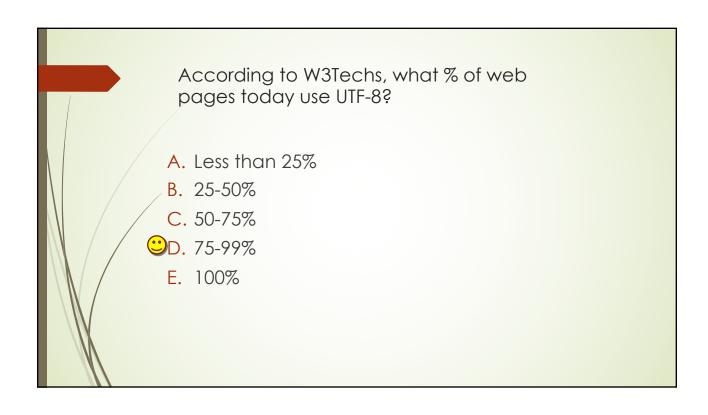


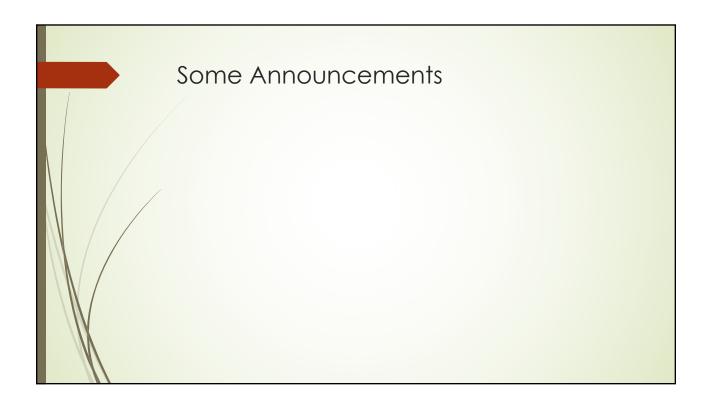












# 1- Buying a shared hosting from DreamHost (As part of HW5)

- 1. Choose a domain name.
- 2. Register a domain name and purchase web hosting. You will use these for the rest of CS 103 assignments as well as your final project.
- Secure your web space by setting the version of PHP and getting a security certificate.
- 4. Install WordPress on the website you purchased.
- 5. Wait for your new domain name to propagate throughout the Internet. This process can take up to 48 hours.
- Update your WordPress software if an update is available. For security reasons, you should always keep your WordPress up to date.
- 7. Make a new post to the WordPress blog you just created.

# 2- Final Project Review (as part of HW5)

- ❖ As a part of Homework 5 you are supposed to review the Final project requirements on the BlackBoard:
- And let me know any questions you have
- To be presented during lecture on Monday, April 29 and Wednesday, May 1.
- To be submitted for grading by Wednesday, May 1 at 11:59 pm.

### 3- Midterm Exam 2 on Wednesday April 10

- ❖ What's on Midterm Exam 2?
  - From lecture 4-2 to lecture 9-2 (**lecture 9-2 wont be in the exam**)

CSS

Block-level and inline elements

Class and ID attributes

Visual hierarchy

**Character encoding** 

Spelling and definition of "accessibility"

Writing good link text Designing for low vision

Plus...

Font stacks

Div and span tags

Definition of "usability"

Approaches to mobile

**Styling hyperlinks** 

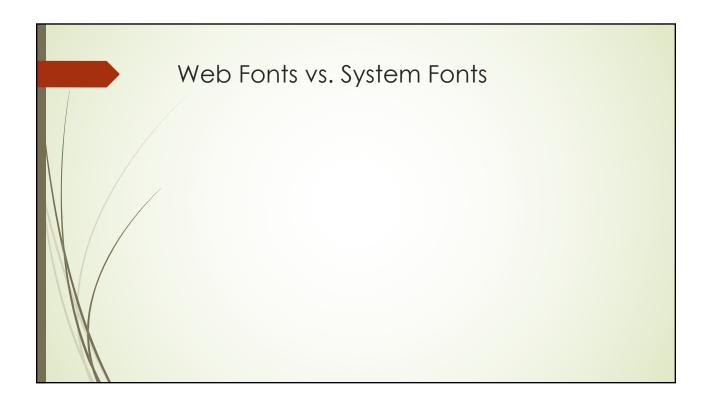
# CSS Templates: XHTML

- Some templates on free template sites are written in XHTML 1.0, an older version of HTML.
- ♦ How can you tell? Check the DOCTYPE declaration.

DOCTYPE declaration	Version of HTML
html	HTML 5
<pre><!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict// EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1- strict.dtd">    </pre>	XHTML 1.0 Strict
html PUBLIC "-//W3C//DTD XHTML 1.0<br Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/ xhtml1-transitional.dtd">	XHTML 1.0 Transitional

# Working in XHTML

- <img> tags must be enclosed in a "wrapper" element (usually a paragraph)
- For standalone tags, we need to add a "/" before the closing right angle bracket
  - |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||</p
  - <img src="snow.jpg" width="30" height="20" alt="Snowy sidewalk" />
- Use the W3C HTML validator to find and fix HTML errors:
  - https://validator.w3.org/



## Web Fonts

- Developed out of frustration with the limitations of system fonts
- Limitations of system fonts:
  - Can only use fonts that are commonly installed on people's computers. (There are many fonts that are not widely installed on computers.)
  - ▶ No way to use new fonts that you have created.
  - > User experience depends on the computer users are using.
- Web fonts ensure that everyone sees the same type
- Browser downloads the font and temporarily installs it (in the browser) while loading a web page.

#### Sources of Web Fonts

- Paid services
  - Adobe Typekit sometimes included in a Creative Cloud subscription
  - > Fonts.com
  - ➤ Monotype
- Free services
  - Google Fonts: https://developers.google.com/fonts/
- Host it yourself
  - Must have a license from the type designer that allows you to make the font available for download. Avoid this option unless you're sure of what you are doing.

# **Using Google Fonts**

- See the <u>Google Fonts Getting Started Guide</u> https://developers.google.com/fonts/docs/getting\_started
- 1. Explore the Google fonts and find one that you like.
- 2. Add a second <link> tag to your HTML page. The href attribute will point to a CSS file on the Google website.
- 3. Use the name of the font-family in your CSS. (Make sure to use a font stack)
- 4. Lets try ...

https://fonts.google.com/

## System Fonts vs. Web Fonts

- **SYSTEM FONTS** 
  - > Advantages:
    - ✓ User does not need to download them
    - √They do not slow down the page
  - Disadvantages
    - ✓ Limited choices
    - ✓Inconsistent user experience
- **WEB FONTS** 
  - Advantages
    - ✓ More choices & consistent user experience
  - Disadvantages
    - ✓ Decreases performance because user must load extra files
    - ✓ Makes site dependent on Google or other provider

#### Icon Fonts

- Many templates use icon fonts for social media links and other small, standard pictures.
- These fonts are made by Font Awesome; you will often see a font-awesome CSS file in templates
- List of icons: <a href="http://fontawesome.io/icons/">http://fontawesome.io/icons/</a>
- Drawback: Extra work is required to make them accessible to screen readers.
- See for example: <a href="http://fontawesome.io/accessibility/">http://fontawesome.io/accessibility/</a>

#### Icon Fonts: how to use

- 1. Copy the link tag from: <a href="https://fontawesome.com/start">https://fontawesome.com/start</a> and paste it in the <a href="https://fontawesome.com/start">https://fontawesome.com/start</a> and paste it in the <a href="https://fontawesome.com/start">https://fontawesome.com/start</a> and
- 2. Go to the icon lists to find out what do you need <a href="https://fontawesome.com/icons?d=gallery">https://fontawesome.com/icons?d=gallery</a>
- 3. Configure size and color of font awesomes:

Size: <a href="https://fontawesome.com/how-to-use/on-the-web/styling/sizing-icons">https://fontawesome.com/how-to-use/on-the-web/styling/sizing-icons</a>

color: <a href="https://fontawesome.com/how-to-use/on-the-web/referencing-icons/basic-use#with-your-styling">https://fontawesome.com/how-to-use/on-the-web/referencing-icons/basic-use#with-your-styling</a>

Lets create a navigation bar in the footer by Icon Fonts

# A demonstration for Lab 7 Assignment

https://templated.co
https://html5up.net/