

What will be Covered Today?

- Midterm Exam 1
- One Column Layout Design
 - ✓ Parts of a web page
 - √Class and ID selectors
- ♦ Lab 4 Challenge
 - ✓ Block-level and inline elements
 - ✓ CSS Display property (Manipulating Display)
 - ✓ Making a Horizontal Navigation Bar

Assignments

- Deadlines
 - ✓ Lab 3 Assignment: due is tomorrow at 6 pm
 - ✓ **HW 2:** due is Tuesday FEB. 26 at 6 pm
- New Assignments
 - ✓ Lab 4 Challenge: due tomorrow at midnight.
 - ✓ Lab 4 Assignment: due Wednesday Feb. 27 at 6pm.

About Midterm Exam 1

- ❖The exam is on Wednesday, March 6.
- ♦ It is at the class time, i.e. 6:30-7:30 PM (1 hour)
- ❖It is closed book, closed notes, no devices, no collaboration.
- ❖ Covers material from Lecture 1-1 through 5-2 (including 5-2).
- ★Most questions are short answers.

Sample questions in Midterm Exam 1

Circle the top level domain in the URL below:

https://www.bu.edu/cs/people/faculty/

Give three examples of HTML elements that screen readers identify by name when reading a web page aloud.

Midterm Exam 1 Topics Include...

- Domain names
- ❖ Internet security
- Copyright
- Images
- Alt text
- Creative Commons licenses (names, abbreviations, properties)

- HTML covered so far
- CSS covered so far
- HTML and CSS terminology (acronyms, elements, attributes, selectors, etc.)
- Nesting HTML tags
- Advanced hyperlink techniques

Material covered for the first time after tonight will not be in the Midterm Exam 1

Practice Problems for Midterm Exam 1

- Fill in the blank. The word ______ is an abbreviation for Malicious software
 - ✓ Malware
- Fill in the blank. is an example of an HTML "tag". HTML "tags" are also called ______.
 - ✓ Element
- What is the purpose of the document type declaration (DOCTYPE)?
 - ✓ It is to declare that the webpage is written in which version of HTML
- Name the 2 most common versions of HTML in use today?
 - ✓ HTML5, XHTML1.0

Practice Problems for Midterm Exam 1

- Fill in the blank. The current term of copyright for corporations is _____ years and for individuals is _____ years.
 - ✓ 95, 70 + life of author
- ➤ What does gTLD stand for? and name 4 kinds of gTLDs.
 - ✓ Generic Top-Level Domains, Unrestricted, Restricted, Sponsored and New

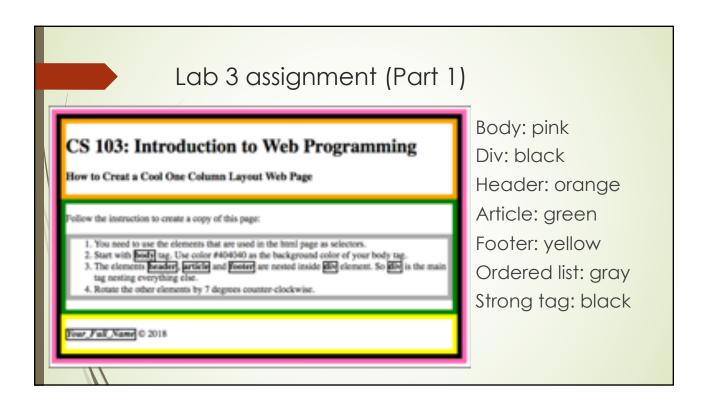
Practice Problems for Midterm Exam 1

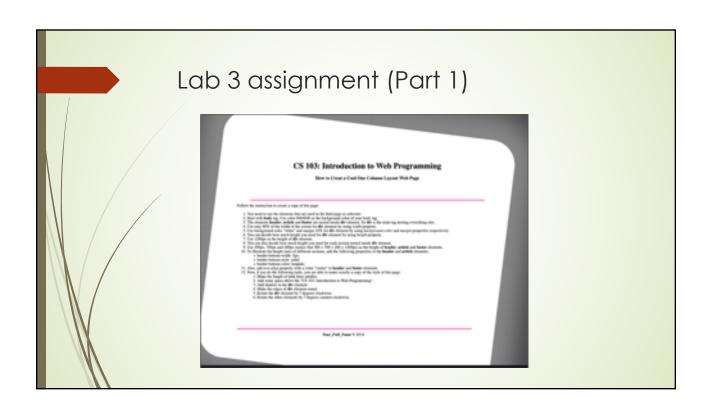
- Write down one line html code to give a link to bu.edu.
 - ✓ BU website
- Find the HTML errors in the following HTML code and fix them....

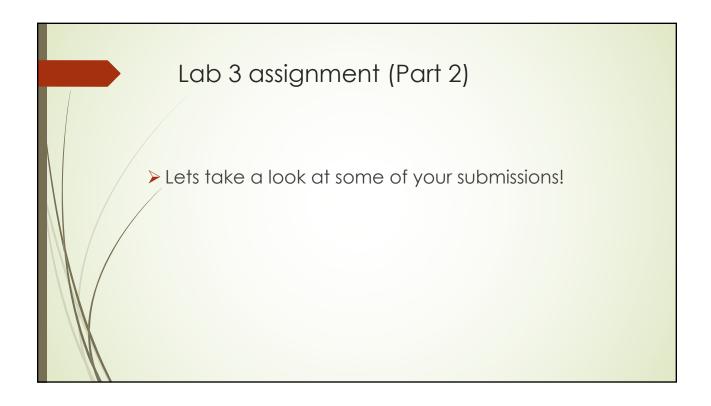
Practice Problems for Midterm Exam 1 > Write down one line html code to give a link to bu.edu. ✓ BU website Find the HTML errors in the following HTML code and fix them.... <!DOCTYPE html> <html> <head> <title> CS 103 Midterm Exam 1 </title> </head>
 <l How to make lists Difference between ordered and unordered How to create list items </body> </html>



Lab 3 assignment (Part 1) >HTML pages are nothing but combination of nested boxes inside each other. >Think about each element as a box.





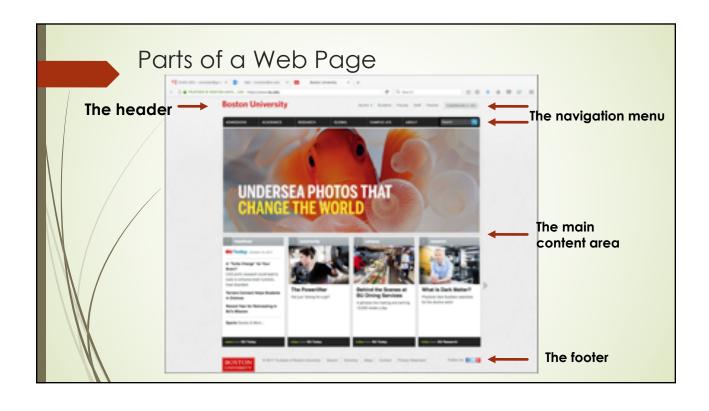


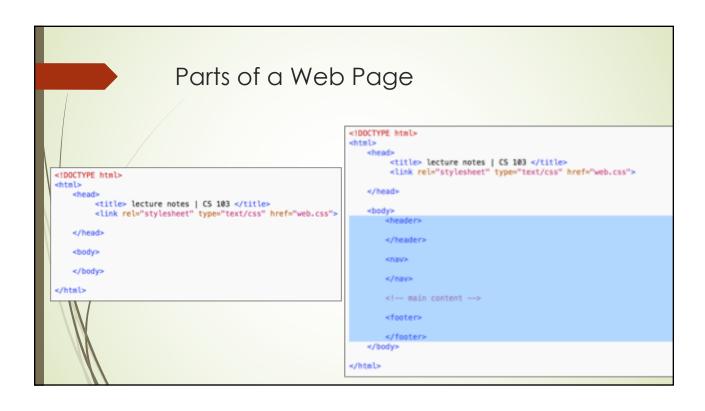
Notes for Lab 4

- In Lab 4, you are supposed to create a sample internal page of your final project website using a one-column layout. (Internal page = not the home page)
- The goal of this lab is for you to make preliminary decisions about your final project website's:
 - ✓ Name
 - ✓ Typefaces
 - ✓ Text and background colors
 - ✓ Main navigation menu items
 - ✓ Whether you will use a copyright statement or a Creative Commons license in the footer. You must choose one or the other.

Parts of a Web Page

- As you create your first design for your final project, here are considerations for:
 - √The header
 - √The navigation menu
 - √The main content area
 - √The footer





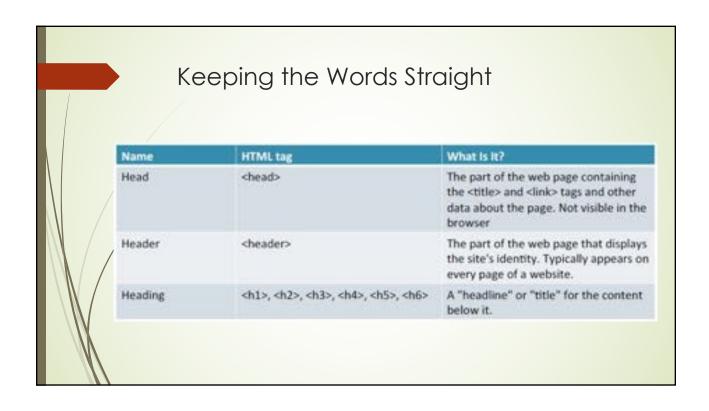
The Header

- The header is the part of the web page, usually on the top, that includes the name of the website and the tag line.
- Make sure the combination of the website name and tag line explain what the website is about
- Unless your website is famous, it probably needs a tag line

Tag Line Examples

- Some local websites with helpful tag lines:
 - √The Daily Free Press (http://dailyfreepress.com/)
 - ✓T. Anthony's (http://www.tanthonypizzeria.com/)





Navigation Menu

- Creating a navigation menu requires thinking about what kind of content you want to have on your site
- Researching comparable websites can give you ideas about what users will expect to find on your website

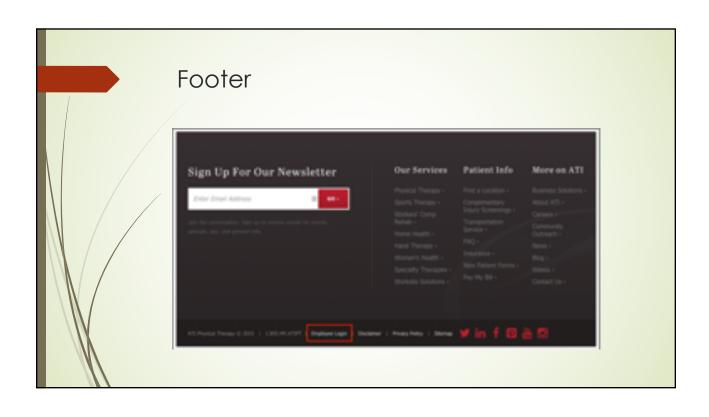


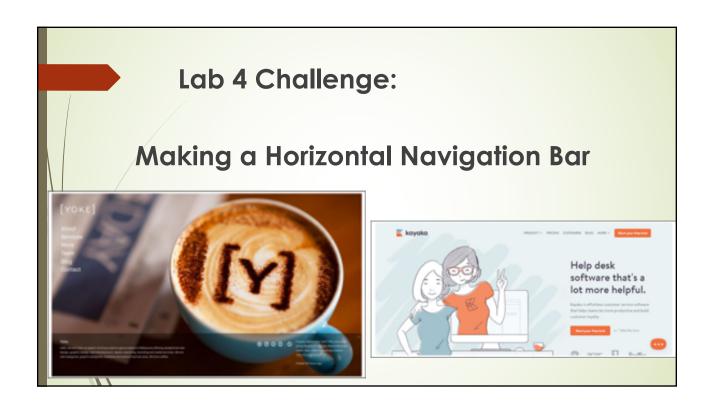
Main Content Area

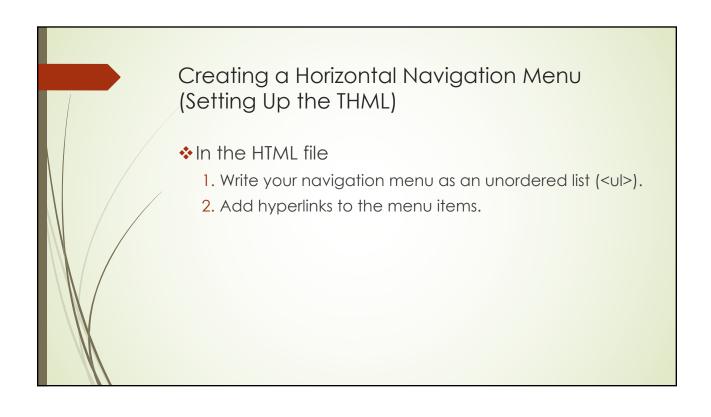
- *Your main content area should include:
 - ➤ The title of the page, as an <h1> heading
 - For your lab 4:
 - ✓ A draft of real content for a page of your final project
 - ✓ If you have not settled on a project idea yet, choose one
 of the possibilities.

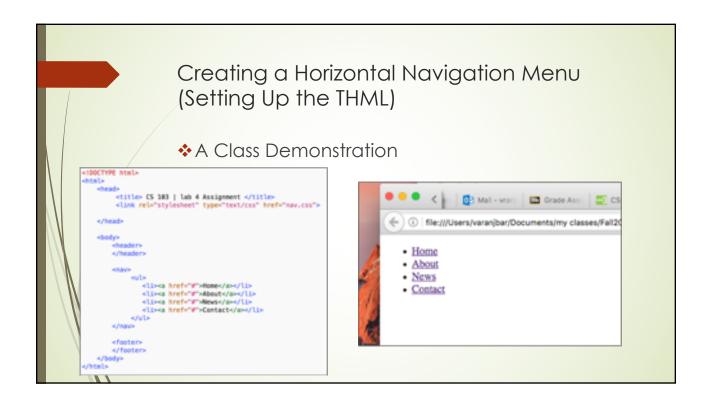
Footer

Will you use a Creative Commons license or a copyright statement?

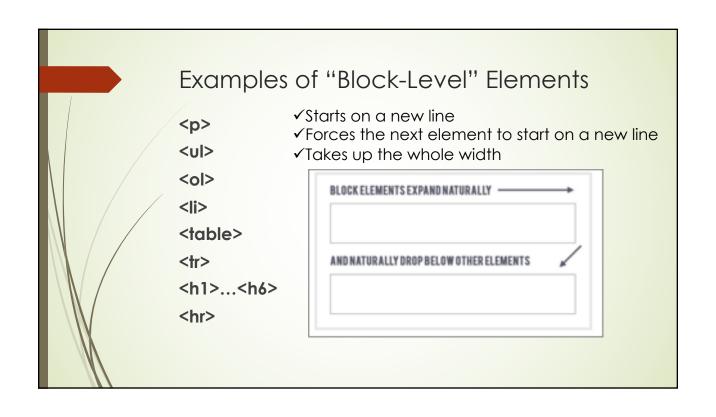


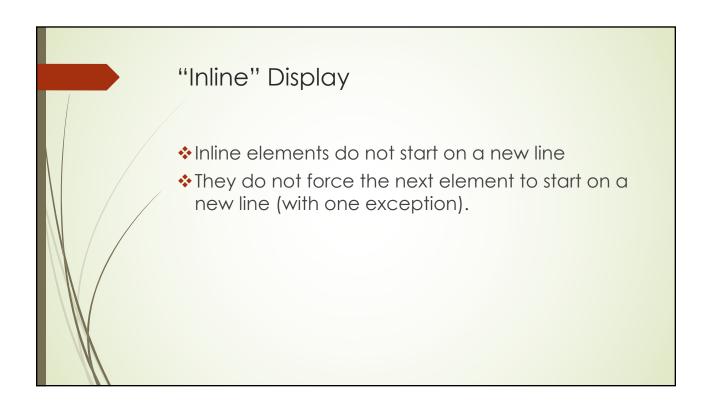


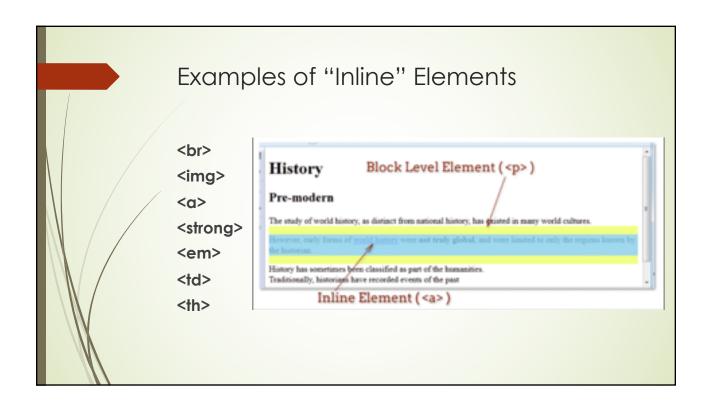




"Block" and "Inline" Display Most HTML tags display as either "block" or "inline" by default Properties of block display Starts on a new line Forces the element that follows to start on a new line Takes up the whole width of the containing element unless a specific width is set







Manipulating Display

❖ It is possible to override the default display of an HTML element by setting the display property in CSS.

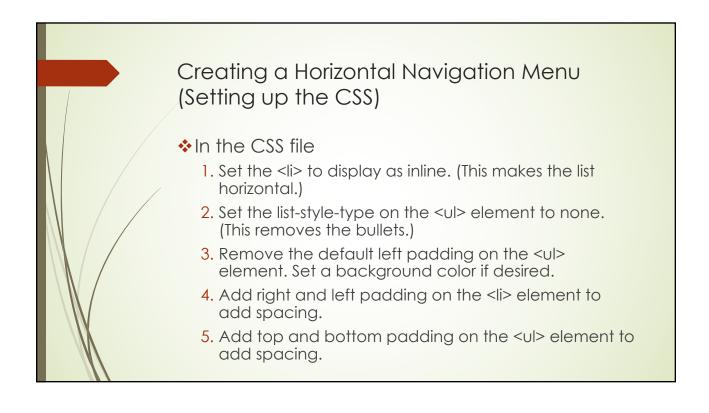
```
display: block; /* display as a block element */
display: inline; /* display as an inline element */
```

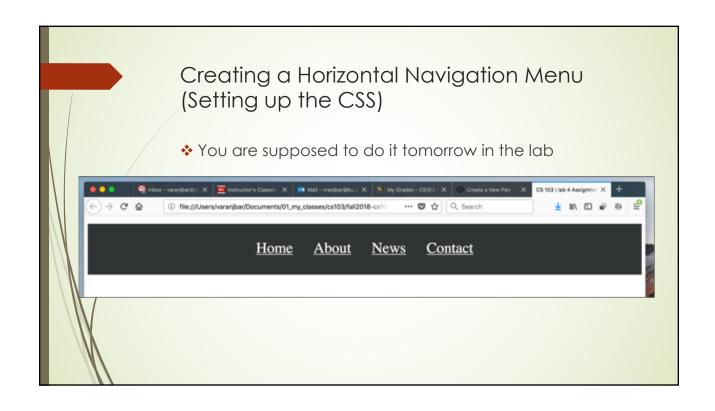
display: none; /* do not display */

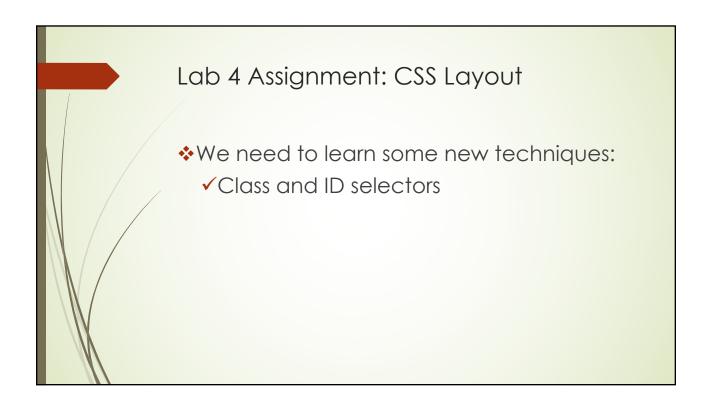
- ❖ By changing the display property, we can make block-level elements behave like inline elements and vice versa.
- We can also make elements disappear by setting the display property to none.

Application: Horizontal Navigation Menu

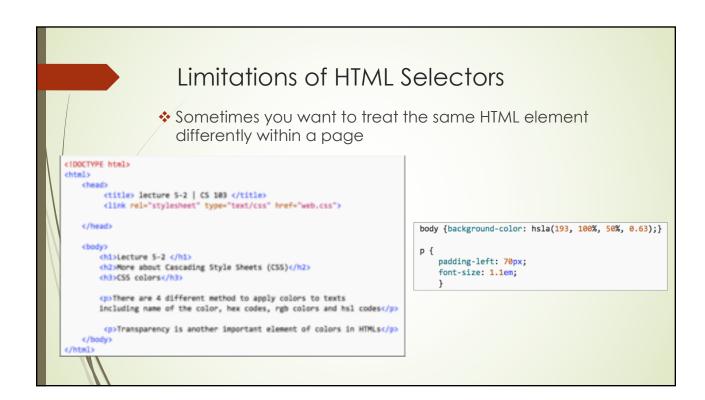
- ❖ By default, is a block level element
- If we will reverse that we will have a horizontal navigation menu
- Setting the display property for list items in CSS is a common technique for creating a horizontal navigation menu







D and Class Attributes As you learned in Lab 3, you can accomplish a lot using just HTML elements as selectors | **Dody {background-color: hala(199, 100%, 50%, 0.69);} | | **Color: hala(7, 100%, 50%, 0.57); | | **margin-top: 20ps; | | **padding-top: 20ps; | | **padding-top: 20ps; | | **padding-left: 40ps; | | **padding-left:



Limitations of HTML Selectors Sometimes you want to style a group of elements with one set of rules Sometimes you want to style just part of an element Class and ID attributes help with that. They can be used as selectors.

ID attribute id="favorite">Breakfast Lunch >li>Dinner >li>Dinner Used to style one particular occurrence of something on a page ID Name (value) must not contain spaces

ID Attribute as a Selector To apply a style to an ID attribute ("favorite" in this example), use a pound sign followed by the name of the ID attribute as your selector, with no space in between: #favorite { color: red; } Or, to be even more specific, use the element followed by # followed by the ID value | li#favorite { color: red }

```
ID attribute
<!DOCTYPE html>
chtml>
   chead>
       <title> </title>
       clink rel="stylesheet" type="text/css" href="web.css">
   </head>

    Breakfast

   <body>

    Lunch

      id="favorite">Breakfast

    Dinner

          Lunch
          clipDinnerc/lip
      </body>
</html>
 body {background-color: hsla(193, 100%, 50%, 0.63);}
 #favorite { color: red; }
```


Class Attribute as a Selector

★ To apply a style to a class attribute ("writing-intensive" in this example), use a period followed by the name of the class attribute as your selector:

.writing-intensive { color: green; }

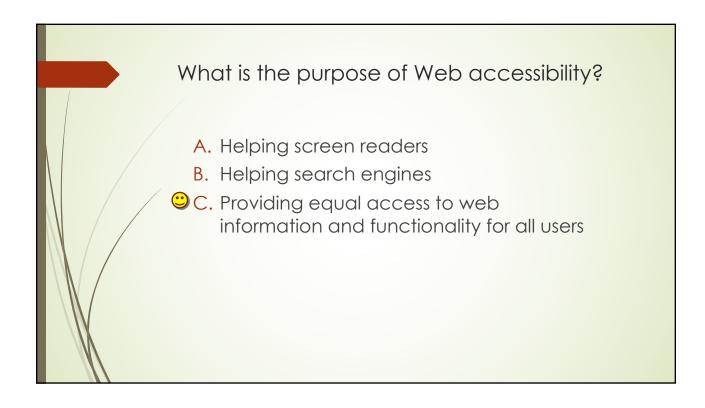
Or, to be even more specific, use the element followed by . followed by the name of the class attribute

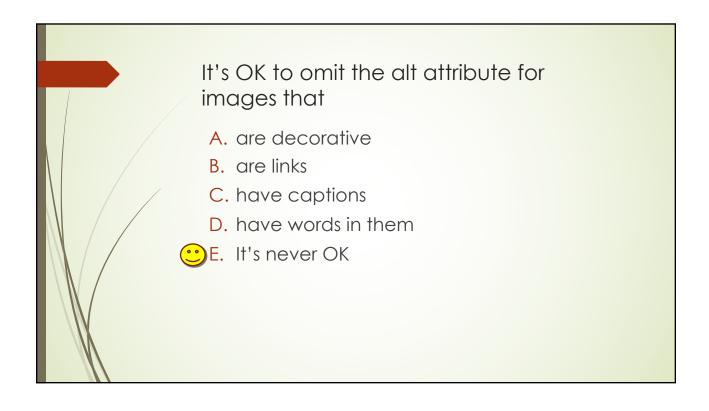
li.writing-intensive { color: green; }

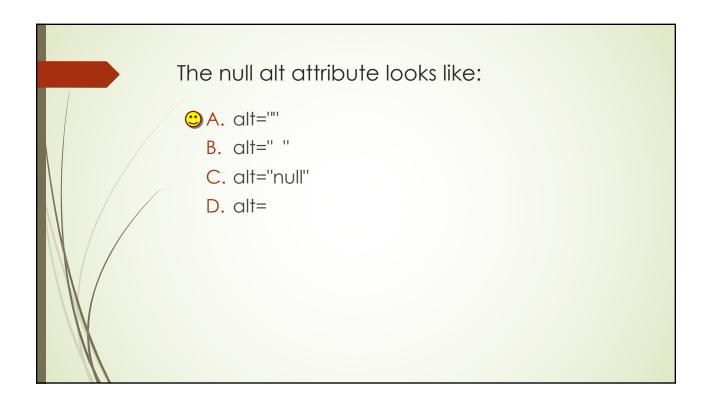
For Next Time

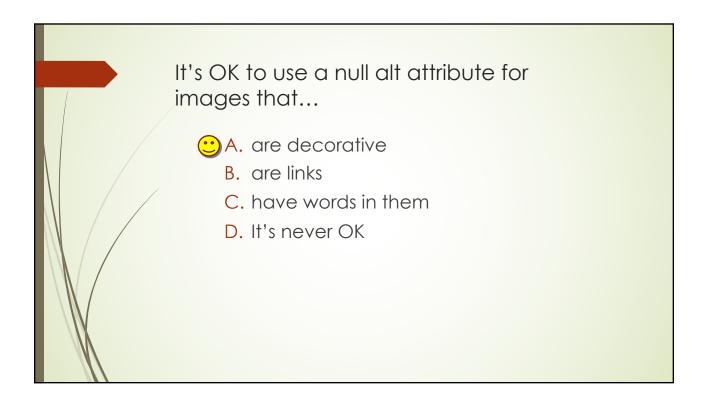
- Enjoy the lab tomorrow!
- Do not forget that the lab 4 challenge due is the same day as lab session (Thursday) at midnight.

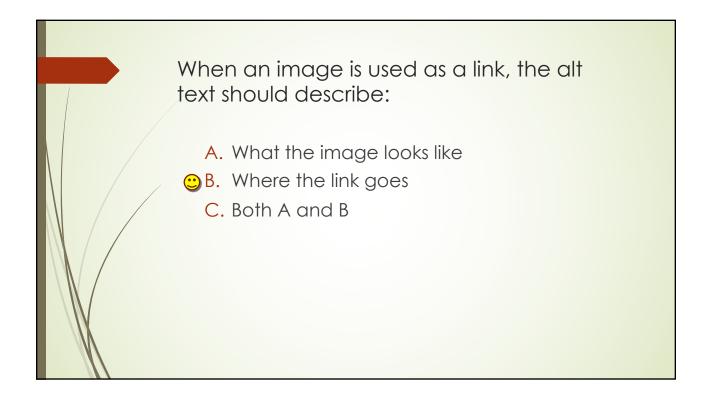


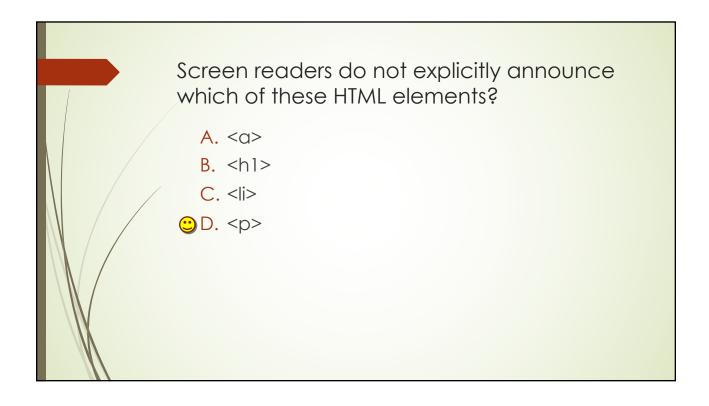


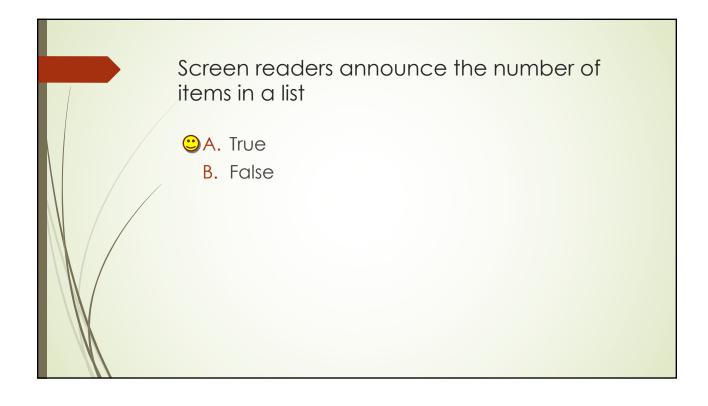










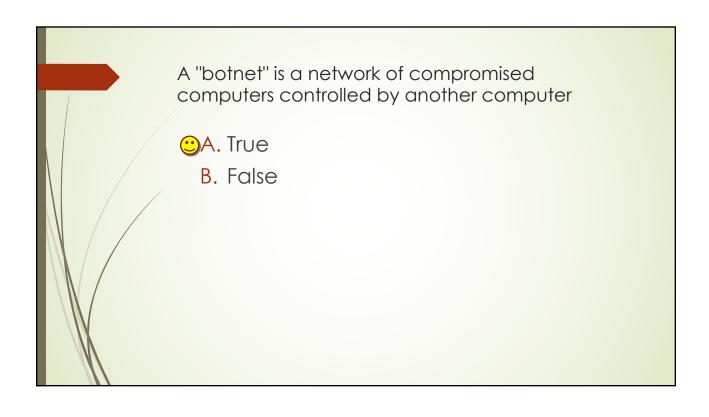


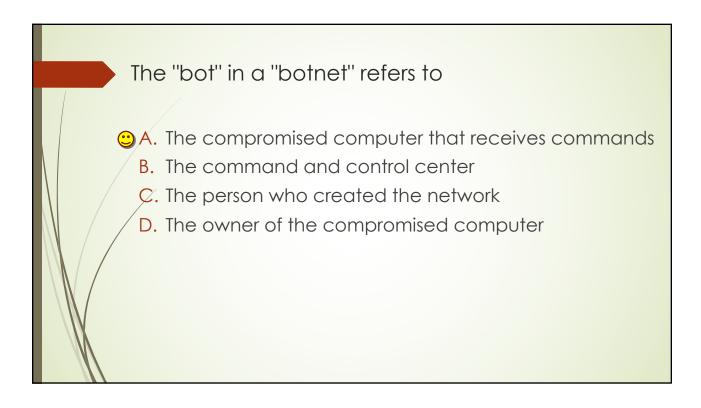
Why is having a long, complex password not enough?

- A. Keylogger software
- B. Phishing sites
- C. The website storing your passwords could be hacked
- D. All of the above.

The growth of malware was sparked by the need to

- A.Undertake political protests
- **B.** Steal identities
- C.Steal intellectual property
- ©D.Send spam





What does "cascading" refer to?

- A. The ease of creating rules
- **©** B. The order in which conflicting rules are applied
 - C. The enormous number of possible rules
 - D. None of the above.

Applying certain styles for the body element (by CSS) will affect paragraph elements because of...

- A. Inheritance
 - B. Usability
 - C. The cascade
 - D. Cascading