



# Fundamentals of Website Development

CSC 2320, Fall 2015

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The Department of Computer Science

# Chapter 4: Creating a Simple Page



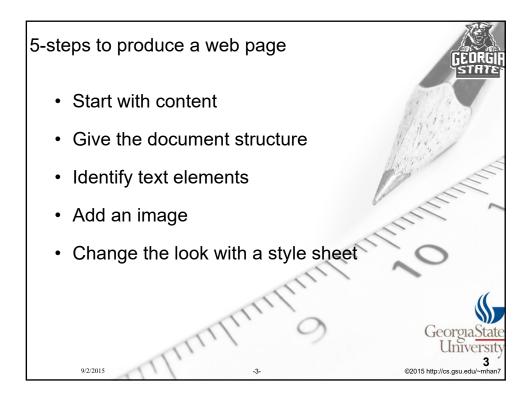
- An introduction to (X)HTML elements and attributes
- · A step-by-step demo for simple web page
- Document structures
- · Basic text and image elements
- A simple style sheet
- Troubleshooting

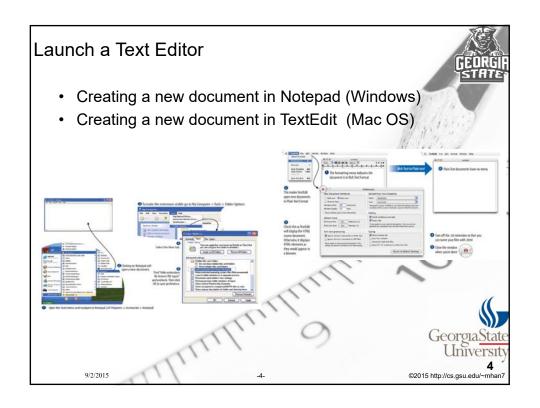


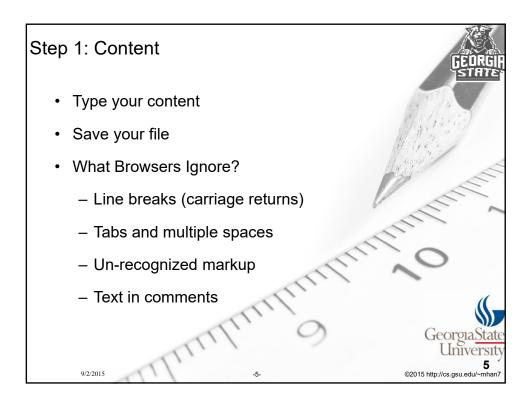
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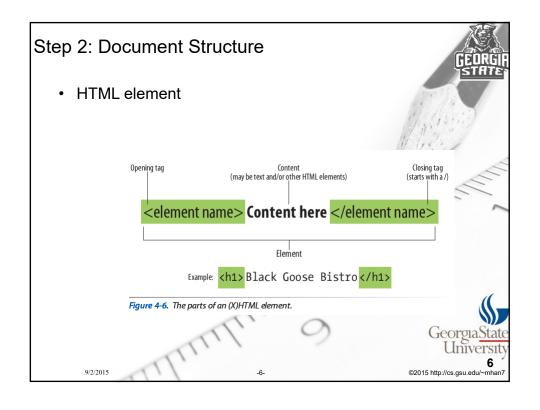
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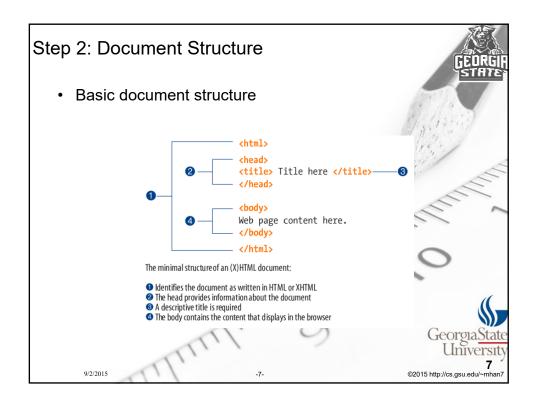
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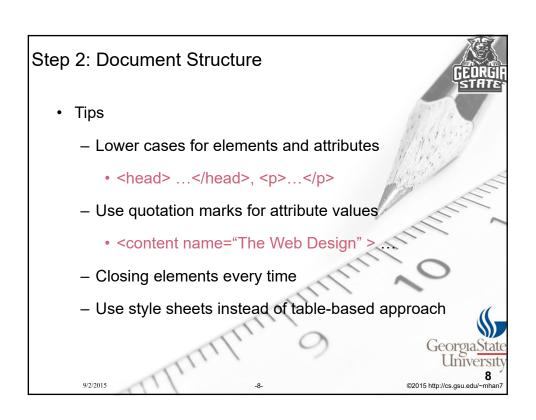


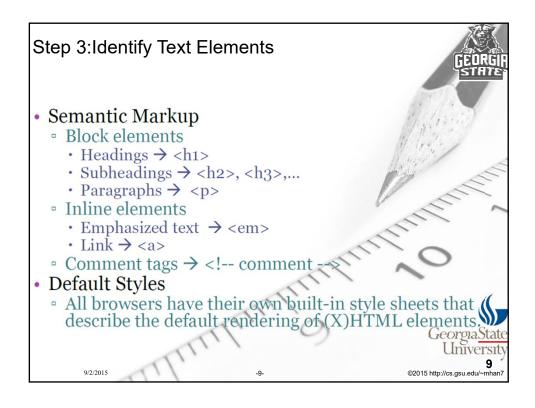


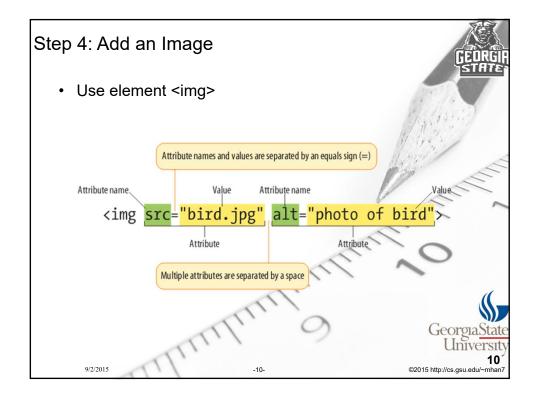












## Step 5: Set the Look (Style Sheet) Create style rules <head> <title>Black Goose Bistro</title> <style type="text/css"> </style> </head> <style type="text/css"> body { background-color: #C2A7F2; color: #474B94; font-family: sans-serif; font-size: 1.2em; h1 h2, p { margin-left: 120px; color: #2A1959; border-bottom: 2px solid #2A1959; </style> **GeorgiaStat** Universit ©2015 http://cs.gsu.edu/

## em vs. px vs. pt vs. percent

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- "Ems" (em): The "em" is a scalable unit that is used in web document media. An em is equal to the current font-size, for instance, if the font-size of the document is 12pt, 1em is equal to 12pt. Ems are becoming increasingly popular in web documents due to scalability and their mobile-device-friendly nature.
- Pixels (px): Pixels are fixed-size units that are used in screen media (i.e. to be read on the computer screen). One pixel is equal to one dot on the computer screen (the smallest division of your screen's resolution).
   Problem?
- Points (pt): Points are traditionally used in print media (anything that is to be printed on paper, etc.). One point is equal to 1/72 of an inch. Points are much like pixels, in that they are fixed-size units and cannot scale in size.
- **Percent (%):** The percent unit is much like the "em" unit, save for a few fundamental differences. First and foremost, the current font-size is equal to 100% (i.e. 12pt = 100%). While using the percent unit, your text remains fully scalable for mobile devices and for accessibility.

lele for mobile devices and for accessibility.

| body { font-size: 100\$; } body { font-size: 120\$; } |
font-size: 1em	The quick brown fox	The quick brown fox
font-size: 12pt	The quick brown fox	The quick brown fox
font-size: 16px	The quick brown fox	The quick brown fox
font-size: 100\$	The quick brown fox	The quick brown fox
font-size: 100\$	The quick brown fox	
font-size: 100\$	The quick brown fox	
font-size: 100\$	The quick brown fox	
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font-size: 100\$	The quick brown fox	
font-size: 100\$	The quick brown fox	
font-size: 12pt		
font-size: 120\$;		
font-s		

## Color Code

#### **HTML Codes format:**

Each HTML code contains symbol "#" and 6 letters or numbers. These numbers are in hexadecimal numeral system. For example "FF" in hexadecimal represents number 255 in Decimal.

#### Meaning of symbols:

The first two symbols in HTML color code represents the intensity of **red** color, 00 is the least and FF is the most intense. The third and fourth represents intensity of **green** and fifth and sixth represents the intensity of **blue**. So with combining the intensity of red, green and blue we can mix almost any color that our heart desire;)

#### Examples

**#FF0000** - With this HTML code we tell browser to show maximum of red and no green and no blue. The result is of course pure red color:

#00FF00 - This HTML code shows just green and no red and blue. The result is:

#0000FF - This HTML code shows just blue and no red and green. The result is:

#FFFF00 - Combination of red and green color gives us yellow:

#CCEEFF - Take some red a bit more of green and maximum of blue to get color of sky:

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Reference to <a href="http://html-color-codes.infulniversit">http://html-color-codes.infulniversit</a>
<a href="http://www.w3schools.com/tags/ref">http://www.w3schools.com/tags/ref</a> colorpicker.asp

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11

# Troubleshooting

- Missing slash?
- Missing ending tags?
- · Missing left/right angle brackets?



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-14-

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## Homework



- · Reading Chapter 4
- Assignment 1:
  - Make a same or a similar web page like:
    - The page "Black Goose Bistro" in page 66 of the textbook
    - You can use other pictures and text content that you like
    - You have to use the elements we have talked about including <img>,<h1>,<h2>, and add a style sheet (the one in page 11).
    - For the paragraphs, it will be appreciated if you put some comments about the class so far.
    - Name your html file as "assignment1\_YOURFULLNAME.html"
  - Email the .html file to TA with the attachment.
  - Due: Sep 9, 2015

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2/2015

