

Exam II
CIS 228: The Internet
Prof. St. John
Lehman College
City University of New York
2 April 2009

NAME (Printed) _____
NAME (Signed) _____
E-mail _____

Exam Rules

- Show all your work. Your grade will be based on the work shown.
- The exam is closed book and closed notes.
- When taking the exam, you may have with you pens or pencils, and an 8 1/2" x 11" piece of paper filled with notes, programs, etc.
- You may not use a computer or calculator.
- All books and bags must be left at the front of the classroom during this exam.
- Do not open this exams until instructed to do so.

Question 1	
Question 2	
Question 3	
Question 4	
Question 5	
Question 6	
Question 7	
Question 8	
Question 9	
Question 10	
TOTAL	

1. True or False:

- (a) ___ You can validate CSS files, in the same way you validate HTML files.
- (b) ___ Every CSS property declaration ends with a semicolon.
- (c) ___ **px** specifies absolute sizes for fonts.
- (d) ___ If you mix 100% red, 100% green, and 100% blue you will get white.
- (e) ___ Pseudoclasses must be defined in your HTML file to be used.
- (f) ___ The **span** element is used to style in-line elements.
- (g) ___ The **padding** and **margin** property both control the amount of space around an element.
- (h) ___ Tables can be defined in columns, using the `<tc>` element, or in rows, using the `<tr>` element.
- (i) ___ The `<th>` element can designate either row or column headings.
- (j) ___ Every form must have a **textarea** element.

2. Answer in two sentences or less the following:

- (a) What does the **class** attribute do? Give an example.

- (b) What does **id** attribute do? How does it differ from the **class** attribute?

3. For each of the following, identify whether it would be done in HTML or CSS:

- (a) _____ organize items in a list
- (b) _____ include a link
- (c) _____ make a border around an element
- (d) _____ change the text alignment of a paragraph
- (e) _____ change the background color of the page
- (f) _____ add an anchor to the page
- (g) _____ change the margins of the text
- (h) _____ set up a table
- (i) _____ change the font used in the title
- (j) _____ set up a form

4. Fill in the following table with the corresponding decimal or hexcode representation of the number. For partial credit, show your work.

Decimal	Hexcode
12	
	#12
22	
	#af
255	

5. Write the HTML that does the following for a form:

(a) makes a “submit” button with label, “Go!”:

(b) makes a text box where comments can be entered:

(c) allows the user to select toppings for their pizza order from **extra cheese, peppers, sausage** (allow multiple items to be selected):

(d) makes a drop-down menu with a choice of: “Freshman,” “Sophomore,” “Junior,” or “Senior.”

6. Be the browser with the following HTML and CSS files. Draw the page and indicate any style (color, borders, etc) on your page:

HTML:

```
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
  <head> <title>Favorite Artists</title>
    <link type="text/css" rel="stylesheet"
      href="artists.css" />
  </head>
  <body>
    <h1>My Favorite Artists</h1>
    <div id="sidebar"> <h2>Museums</h2>
    <ul>
      <li><a href="http://www.okeeffemuseum.org">O'Keefe
        Museum</a></li>
      <li><a href="http://www.moma.org">Museum of
        Modern Art</a></li>
    </ul>
    </div>
    <div id="georgia"> <h2>Georgia O'Keefe</h2>
    <p> </p>
    <p>American Painter, 1887-1986. </p>
    </div>
    <div id="jasper">
    <h2>Jasper Johns</h2>
    <p></p>
    <p>American Painter and Printmaker, born 1930.</p>
    </div>
    <div id="footer">
      <p>Katherine St. John,
        <span class="email">stjohn@lehman.cuny.edu</span>
      </p>
    </div>
  </body>
</html>
```

CSS:

```
img {
  border: solid black 2px;
  padding: 15px;
  margin: 10px;
}
#sidebar {
  width: 200px;
  float: right;
  border: 4px solid #eeeeee;
}
#footer {
  clear: both;
  font-size: small;
  text-align: center;
}
#georgia {
  color: #ee0000;
  width: 400px;
  border: #ee0000 dotted 1px;
}
#jasper {
  color: #0000ee;
  width: 400px;
  border: #0000ee dotted 1px;
}
.email {
  font-family: Courier,monospace;
}
```

7. Write a **complete** CSS style sheet that:

- uses a serif font throughout the page,
- has blue `<h1>` and `<h2>` headings,
- visited links are red, and
- images **inside a div element** have solid black thin borders.

8. Write the **HTML code only** for the table with the following information:
(*Hint: Do not forget the caption!*)

City	Date	Temperature	Altitude	Population	Diner Rating	
Truth or Consequences, NM	August 9th	93	4,242 ft	7,289	5/5	
	August 27th	98			Tess	5/5
					Tony	4/5
Why, AZ	August 18th	104	860 ft	480	3/5	

The cities I visited on my Segway'n USA travels

9. Write the style sheet that will arrange the following page:

- the main and sidebar sections should be side-by-side, and not overlapping,
- the award should be positioned on top of and overlapping the header, main, and sidebar sections,
- the coupon should have a fixed position, halfway down the browser's left edge,
- the footer should clear both sections.

(Hint: Do not change any of the HTML code.)

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
    <title>Starbuzz Coffee</title>
    <link rel="stylesheet" type="text/css" href="starbuzz.css" />
  </head>
  <body>
    <div id="header">
      
    </div>
    <div id="award">
      
    </div>
    <div id="main">
      <h1>QUALITY COFFEE, QUALITY CAFFEINE</h1>
      <p>At Starbuzz Coffee, we are dedicated to filling all your caffeine needs
        through our quality coffees and teas.</p>
      <h1>OUR STORY</h1>
      <p>"A man, a plan, a coffee bean". Okay, that doesn't make a palindrome, but it
        resulted in a damn good cup of coffee. Starbuzz's CEO is that man, and you
        already know his plan: a Starbuzz on every corner.</p>
      <h1>STARBUZZ COFFEE BEVERAGES</h1>
      <p>We've got a variety of caffeinated beverages to choose
        from at Starbuzz, including our
        <a href="beverages.html#house" title="House Blend">House Blend</a>,
        <a href="beverages.html#mocha" title="Mocha Cafe Latte">Mocha Cafe Latte</a>,
        <a href="beverages.html#cappuccino" title="Cappuccino">Cappuccino</a>,
        and a favorite of our customers,
        <a href="beverages.html#chai" title="Chai Tea">Chai Tea</a>.</p>
      <p>We also offer a variety of coffee beans, whole or ground, for you to
        take home with you. Order your coffee today using our online
        <a href="form.html" title="form.html">Bean Machine</a>, and take
        the Starbuzz Coffee experience home.</p>
    </div>
    <div id="sidebar">
      <p class="beanheading">
         <br />
        ORDER ONLINE with the <a href="form.html">BEAN MACHINE</a> <br />
        <span class="slogan">FAST <br />FRESH <br />TO YOUR DOOR <br /></span>
      </p>
    </div>
  </body>
</html>
```

```
<p>Why wait? You can order all our fine coffees right from the Internet
    with our new, automated Bean Machine. How does it work? Just click on
    the Bean Machine link, enter your order, and behind the scenes, your coffee
    is roasted, ground (if you want), packaged, and shipped to your door.</p>
</div>
<div id="footer">
    &copy; 2005, Starbuzz Coffee<br />
    All trademarks and registered trademarks appearing on
    this site are the property of their respective owners.
</div>
<div id="coupon">
    <a href="freecoffee.html" title="Click here to get your free coffee">
        
    </a>
</div>
</body>
</html>
```


10. Write a **complete** HTML file **and** CSS file to display two places you would like to visit. The page should have a header, with title, and a footer with your contact information. The two places should be displayed side by side. Each should include a title, an image, and a paragraph describing the place.

HTML:

CSS: