Exam II

CIS 228: The Internet

Prof. St. John

Lehman College

City University of New York

3 April 2007

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 period.

   (c) ____ `em` specifies absolute sizes for fonts.

   (d) ____ If you mix 100% red, 100% green, and 100% blue you will get black.

   (e) ____ In strict HTML, you can nest block elements inside block elements.

   (f) ____ Pseudoclasses must be defined in your HTML file to be used.

   (g) ____ The `div` element is used to style in-line elements.

   (h) ____ Tables are defined in columns, using the <tc> element.

   (i) ____ The <th> element can designate either row or column headings.

   (j) ____ POST and GET are both ways of sending data to the web application.

2. Answer in two sentences or less the following:

   (a) What does the padding property do? Give an example.

   (b) What does the margin property do? How does it differ from the padding property?

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

   (a) _____ organize items in a table

   (b) _____ include an image

   (c) _____ set the width of an element

   (d) _____ change the text alignment of a paragraph

   (e) _____ change the background color of the page

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

Decimal	Hexcode
11	
	#11
20	
	#ab
	#ff

5. Write the HTML that does the following:

   (a) makes a text box where the user can enter their name:

   (b) makes a "submit" button with label, "Order now":

   (c) allows the user to select condiments for their order from `salt, pepper, garlic` (allow multiple items to be selected):

   (d) makes a drop-down menu with a choice of: "House Blend," "Shade Grown Bolivia," "Organic Guatemala," or "Kenya."

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 Food</title>
    <link type="text/css" rel="stylesheet"
      href="food.css" />
  </head>
  <body>
    <div id="header"><h1>My Favorite Foods</h1></div>
    <div id="sidebar">
      <p> Recipes for both of these can be found in
      books on Italian and Spanish cooking at
      <a href="http://amazon.com">Amazon</a>.</p>
    </div>
    <div id="pesto"> <h2>Pesto</h2>
      <p><a href="pesto.html">Pesto</a> is made from
      fresh basil, garlic, olive oil, and salt.</p>
    </div>
    <div id="dulce"> <h2>Dulce de Leche</h2>
      <p>The ice cream, <a href="dulce.htm"l>Dulce
        de Leche</a>, is made from milk and
        sugar and has a smooth caramel taste.</p>
    </div>
    <div id="footer">
      <p>Katherine St. John,
      <span class="email">stjohn@lehman.cuny.edu</span></p>
    </div>
  </body>
</html>
```

CSS:

```
div {
  border: dotted black 2px;
}
#sidebar {
  width: 100px;
  float: right;
  background-color: blue;
}
#footer {
  clear: both
}
#pesto {
  background-color : green;
}
#dulce {
  background-color: silver;
}
.email {
    font-family: Courier, monospace;
}
```

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

- uses a sans-serif font throughout the page,
- has a non-white background color,
- <h1> and <h2> headings have a dotted bottom border,
- <h1> headings should have white text, and
- paragraphs **inside a div element** from the class `options` have solid borders.

8. Write the HTML code **and the style sheet** for the table with the following information:
mation:
(Hint: Remember to align the text for each cell.)

Fall 2007: Total Enrollment by Undergraduate and Graduate Level

	Undergraduate	Graduate	Total
Lehman College	8,864	2,058	10,922
Community Colleges	76,864		76,864
Total University	203,515	29,445	232,960

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">
      <img src="images/header.gif" alt="Starbuzz Coffee header image" />
    </div>
    <div id="award">
      <img src="images/award.gif" alt="Roaster of the Year 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">
        <img src="images/bag.gif" alt="Bean Machine bag" /> <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>
```

```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">
      <img src="images/ticket.gif" alt="Starbuzz coupon ticket" />
    </a>
  </div>
</body>
</html>
```

10. Write a **complete** HTML file **and** CSS file to display a blog page. The page should have a header (with title) and a footer (with your contact information), as well as a navigation sidebar with links to the entries in your page. You should include at least three entries, each containing the date, a short paragraph, and an image. When the user clicks on a date listed in the sidebar menu, the page should reload to that part of the page (hint: use destination anchors). The sidebar should appear to the right of the blog entries, and the footer should be at the bottom of the page, not overlapping any other section (i.e. it should "clear" all other sections).