Exam II
CIS 228: The Internet
Prof. St. John
Lehman College
City University of New York
7 November 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.

<table>
<thead>
<tr>
<th>Question 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Question 2</td>
<td></td>
</tr>
<tr>
<td>Question 3</td>
<td></td>
</tr>
<tr>
<td>Question 4</td>
<td></td>
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<tr>
<td>Question 5</td>
<td></td>
</tr>
<tr>
<td>Question 6</td>
<td></td>
</tr>
<tr>
<td>Question 7</td>
<td></td>
</tr>
<tr>
<td>Question 8</td>
<td></td>
</tr>
<tr>
<td>Question 9</td>
<td></td>
</tr>
<tr>
<td>Question 10</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

(Orange exam)
1. True or False:
   (a) ___ In CSS, each property declaration ends with a semicolon.
   (b) ___ Only one font can be specified in any CSS rule.
   (c) ___ A font-family is a set of fonts that share a common characteristic.
   (d) ___ To change to a boldface font, you use the font-width property in CSS.
   (e) ___ Pseudoclasses must be defined in your HTML file to be used.
   (f) ___ If you mix 100% red, 100% green, and 100% blue, you will get black.
   (g) ___ The span element is used to style in-line elements.
   (h) ___ The div element is used to style in-line elements.
   (i) ___ Tables are defined in rows, using the <tr> element.
   (j) ___ The <th> element can designate either row or column headings.

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) _____ include an image
   (b) _____ change the border around an image
   (c) _____ organize a table
   (d) _____ change the background color of table entries
   (e) _____ change text width
4. Fill in the following table with the corresponding decimal or hexcode representation of the number. For partial credit, show your work.

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>#03</td>
</tr>
<tr>
<td>18</td>
<td>#b0</td>
</tr>
<tr>
<td></td>
<td>#ee</td>
</tr>
</tbody>
</table>

5. Change the following HTML file to be in XHTML. Circle all changes needed and write in the changes:

```html
<html>
<head>
<title>myPod</title>
<style type="text/css">
  body { background-color: #eaf3da; }
</style>
</head>
<body>
<p> <img src="logo/mypod.gif" alt="myPod Logo">
</p>
<h1>Welcome to myPod</h1>
<p>Welcome to the place to show off your iPod!</p>
<h2>Seattle, Washington</h2>
<p>Me and my iPod in Seattle! You can see rain clouds and the Space Needle.</p>
<p>
<a href="html/seattle_med.html">
  <img src="thumbnails/seattle_med.jpg" alt="My iPod in Seattle, WA">
</a>
<br>
<a href="html/seattle_shuffle.html">
  <img src="thumbnails/seattle_shuffle.jpg" alt="An iPod Shuffle in Seattle, WA">
</a>
</p>
</body>
</html>
```
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
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head>
    <title>Head First Lounge Elixirs</title>
    <link type="text/css" rel="stylesheet" href="../lounge.css" />
</head>
<body>
<h1>Our Elixirs</h1>
<h2>Green Tea Cooler</h2>
<p class="greentea">
    This elixir combines the healthful benefits of green tea with a twist of chamomile blossoms and ginger root.
</p>
<h2>Raspberry Ice Concentration</h2>
<p class="raspberry">
    Combining raspberry juice with lemon grass, citrus peel and rosehips, this icy drink will make your mind feel clear and crisp.
</p>
<h2>Blueberry Bliss Elixir</h2>
<p class="blueberry">
    Blueberries and cherry essence mixed into a base of elderflower herb tea will put you in a relaxed state of bliss in no time.
</p>
<h2>Cranberry Antioxidant Blast</h2>
<p>
    Wake up to the flavors of cranberry and hibiscus in this vitamin C rich elixir.
</p>
<p>
    <a href="../lounge.html">Back to the Lounge</a>
</p>
</body>
</html>
```

**CSS:**

```css
body {
    font-family: sans-serif;
}

h1, h2 {
    color: gray;
}

h1 {
    border-bottom: 1px solid black;
}

p {
    color: maroon;
}

p.greentea {
    color: green;
}

p.raspberry {
    color: blue;
}

p.blueberry {
    color: purple;
}
```
7. Write a **complete** CSS style sheet that:

- uses a serif font throughout the page,
- the `<h1>` and `<h2>` headings should be in italics,
- images in the div with id `gallery` have no border, and
- creates a solid border around paragraphs.

8. Write the HTML code for the table with the following information:
(No need to write any CSS rules or style sheets).

*RAND New York Sales Tax Rates reports sales tax rates for some counties & cities.*

<table>
<thead>
<tr>
<th>Area</th>
<th>Rate</th>
<th>Area</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York State–only</td>
<td>4.00</td>
<td>Albany</td>
<td>8.50</td>
</tr>
<tr>
<td>Allegany</td>
<td>8.50</td>
<td>*Bronx see New York City</td>
<td></td>
</tr>
<tr>
<td>*Brooklyn see New York City</td>
<td></td>
<td>Broome</td>
<td>8.00</td>
</tr>
<tr>
<td>*Nassau</td>
<td>0.62</td>
<td>*New York (Manhattan) see New York City</td>
<td></td>
</tr>
<tr>
<td>*New York City</td>
<td>8.38</td>
<td>Niagara</td>
<td>8.00</td>
</tr>
</tbody>
</table>
9. Write the style sheet that will arrange the following page: the sidebar should be on the right side of the page, the image, photo1, should float left in the paragraph, and the footer to clear (i.e. not overlap) with other parts of the page.
(Hint: Do not change any of the HTML code.)

<html>
<head>
<title>Lehman E-News: Nov. 6</title>
<link rel="stylesheet" type="text/css" href="../enews_style.css" />
</head>
<body>
<div id="nav1">
<ul>
<li><a href="about.html">About Us</a></li>
<li><a href="archives.html">Past Issues</a></li>
<li><a href="subscribe.html">Subscribe</a></li>
</ul>
</div><!-- nav1 -->
<div id="sidebar">
<ul>
<li><a href="feat_collins.html">Prof. Billy Collins Receives Literary Medal</a></li>
<li><a href="feat_studyabroad.html">Annual Study-Abroad Fair Oct. 23</a></li>
</ul>
</div><!-- sidebar -->
<div id="main">
<h1>Features</h1>
<p><img src="images_issue/walser.jpg" alt="Theresia Walser" /></p>
<p>Theresia Walser, one of Germany’s most exciting young playwrights, will visit Lehman College Nov. 6 to discuss her recent work.</p>
</div>
<div id="footer">
<p>Produced by the Department of Media Relations & Publications</p>
</div><!-- footer -->
</body>
</html>
10. Write a complete HTML file and CSS file to display information about your favorite foods. The page should have a header, with title, and a footer with your contact information, as well as a sidebar with a short description of where you can find such foods (either a link to a restaurant or a recipe). The description of each food should include a title, a link, and a paragraph describing the food. They should occur one after the other in the page (i.e. “flow”) and each have a different background color. The sidebar should appear to the right of the food descriptions, and the footer should be at the bottom of the page, not overlapping any other section (i.e. it should “clear” all other sections).