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

<table>
<thead>
<tr>
<th>Question 1</th>
<th>Question 2</th>
<th>Question 3</th>
<th>Question 4</th>
<th>Question 5</th>
<th>Question 6</th>
<th>Question 7</th>
<th>Question 8</th>
<th>Question 9</th>
<th>Question 10</th>
<th>TOTAL</th>
</tr>
</thead>
</table>
1. True or False:

(a) ___ In CSS, all properties and values in a rule go between < > brackets.
(b) ___ The format #name is used to select any elements that belong to a class.
(c) ___ An element can belong to at most one class.
(d) ___ If you mix 0% red, 0% green, and 0% blue you will get black.
(e) ___ Pseudoclasses must be defined in your HTML file to be used.
(f) ___ The span element is used to style images only.
(g) ___ The border property both control the amount of space around an element.
(h) ___ Tables are defined in rows, using the <tr> element.
(i) ___ The <th> element can only designate column headings.
(j) ___ Every form must have a select element.

2. Answer in two sentences or less the following:

(a) What does the style element do? Give an example.

(b) What does link element do? How does it differ from the style element?

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

(a) _____ use sans-serif fonts
(b) _____ make a link’s color red
(c) _____ increase the margin around an element
(d) _____ create an unordered list
(e) _____ change the font color of the page
(f) _____ change the bullets (or markers) for a list
(g) _____ create a table inside a table
(h) _____ create a link
(i) _____ include contact information on a page
(j) _____ set up a radio buttons
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>14</td>
<td>#14</td>
</tr>
<tr>
<td>33</td>
<td>#ab</td>
</tr>
<tr>
<td>254</td>
<td></td>
</tr>
</tbody>
</table>

5. Write a **complete** CSS style sheet that:
   - uses a cursive font throughout the page,
   - has blue `<h1>` and `<h2>` headings that have a purple dashed bottom border,
   - visited links are blue, and
   - images **inside a p element** have solid silver thin borders.
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>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>
</ul>
</div>
<div id="georgia">
<h2>Georgia O'Keefe</h2>
<p><img src="poppies.jpg" width="250"> American Painter, 1887-1986. </p>
</div>
<div id="jasper">
<h2>Jasper Johns</h2>
<p><img src="map1961.jpg" width="250"> American Painter and Printmaker, born 1930.</p>
</div>
<div id="footer">
<p>Katherine St. John, stjohn@lehman.cuny.edu</p>
</div>
</body>
</html>
```

**CSS:**

```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 the HTML that does the following for a form:

   (a) sets up the web application to be http://hflabs.com/pizza.php and uses the POST method:

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

   (c) allows the user to crust for their pizza order from thin, deep dish, cheese crust (allow only one element to be selected):

   (d) makes a drop-down menu with a choice of: “Delivery,” “Take Away,” or “Eat In.”
8. Write the HTML code and the style sheet for the table with the following information:
(Hint: Remember to align the text for each cell, borders and caption.)

<table>
<thead>
<tr>
<th>Lehman College: Total Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>Fall 2007</td>
</tr>
<tr>
<td>Fall 2008</td>
</tr>
</tbody>
</table>

**HTML:**

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

- the overall left and right margins of the page should be 75 pixels,
- the nav section have a fixed position on the upper left hand side,
- list items should have no left margins,
- the text should be centered in the main section of the page, and
- the footer should clear both sections.

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

<html>
<head>
<title>Lehman College: Division of Natural & Social Sciences</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link rel="stylesheet" type="text/css" href="../css/natural_social.css" />
</head>
<body>
<div id="nav">
<ul class="division">
<li><a href="index.html">home</a></li>
<li><a href="departments.html">departments and programs</a></li>
<li><a href="http://www.sigmaxi.org">sigma xi honor society</a></li>
<li><a href="http://www.lehman.edu">lehman home</a></li>
</ul>
</div>
<div id="main">
<p><img src="images/science_building_drawing.jpg" alt="Science Building" width="450" /></p>
<ul>
<li><a href="advancing.html">Advancing Science at Lehman College</a></li>
</ul>
<p class="update">Updated: 11/03/2009</p>
</div>
<div id="footer">
302 Shuster Hall, 250 Bedford Park Blvd. West, Bronx, NY 10468
</div>
</body>
</html>
10. Write a complete HTML file and CSS file to display information about two people you admire. The page should have a header, with title, and a footer with your contact information. The information about the two people should be displayed side by side. Each should include a title, an image, and a paragraph describing them. The text in header and footer sections should centered. All sections of the page should be surrounded by padding and a border.

**HTML:**

**CSS:**