Sample Exam 2 (Version 2)

CIS 228: The Internet

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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.**

1. True or False:

   (a) ____ Only HTML code can be validators. There are no validators for CSS or XHTML.

   (b) ____ In CSS, all properties and values go between { } braces.

   (c) ____ In CSS, you can only specify one selector for each set of rules.

   (d) ____ The span element is used to style in-line elements.

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

   (f) ____ All headings on a given page must be the same color.

   (g) ____ Font size is always relative to the smallest font on the page.

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

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

   (j) ____ In strict HTML, You can nest tables inside tables.

2. Answer in two sentences or less the following:

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

   (b) What does the span element do? How does it differ from the div element?

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

   (a) _____ define a link

   (b) _____ change the color of a link

   (c) _____ change the color of text

   (d) _____ change text color

   (e) _____ change text alignment

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

Decimal	Hexcode
9	
	#09
32	
	#bb
	#ff

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

```
<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>
      <a href="html/seattle_shuffle.html">
        <img src="thumbnails/seattle_shuffle.jpg"
      alt="An iPod Shuffle in Seattle, WA">
      </a>
  </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>
<head>
  <title>Welcome to the Department of
       Anthropology</title>
  <link rel="STYLESHEET" href="style.css"
       type="text/css">
</head>
<body>
  <p><img src="images/students.jpg"></p>
  <p><a href="anthropology.html">
       <img src="images/bullet.gif">What is
       Anthropology? </a></p>
  <table>
    <tr>
      <td> <a href="fall2007.html" >
         <img src="images/bullet.gif"">
         <span class="schedule">
         Fall 2007 Schedule</span></a> </td>
      <td><a  href="spring2007.html">
         <img src="images/bullet.gif">
         <span class="schedule">
         Spring 2007 Schedule</span></a> </td>
      <td><a href="summer2007.html">
         <img src="images/bullet.gif">
         <span class="schedule">
         Summer 2007 Schedule</span></a></td>
    </tr>
  </table>
</body>
</html>
```

CSS:

```
body {
    text-color: #333333;
    width: 600px;

}

.schedule {
    font: bold;
}
```

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

- uses a bold font throughout the page,
- <h1> headings should be red,
- except for headings in the <div> element with id menu, which should have <h1> headings should be black, and
- create 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).

City Income Tax Rates

City Taxable Income		Tax Rate
Married Filing Jointly:	$21,600 or less	
Head of Household:	$14,400 or less	2.907% of income
Single/Filing Separately	$12,000 or less	
Married Filing Jointly:	$21,600-$45,000	
Head of Household:	$14,400-$30,000	Add 3.534% of excess
Single/Filing Separately	$12,000-$25,000	

9. Write the style sheet that will arrange the following page to sidebar float to right, the image, photo1, float left, 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
<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">
    <img src="images_issue/sm_collins.jpg"
    alt="Billy Collins"  />
    Prof. Billy Collins Receives Literary Medal
    </a></li>
  <li><a href="feat_studyabroad.html">
    <img src="images_issue/sm_studyabroad.jpg"
    alt="Egypt"  />
    Annual Study-Abroad Fair Oct. 23
    </a></li>
  </div><!-- sidebar -->

  <div id="main">
  <h1>Features</h1>
  <p><id="photo1" img src="images_issue/walser.jpg"
     alt="Theresia Walser" /><br />
     <span class="caption">Theresia Walser</span>
  <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
    <a href="about.html">Media Relations &
      Publications</a></p>
  </div><!-- footer -->
</body>
</html>
```

10. Write a **complete** HTML file **and** CSS file to display information about three courses that you have taken. The page should have a header, with title, and a footer with your contact information. The three courses should be displayed side by side. Each should include a title, a link, and a paragraph describing the class. Each course should have a different background color.

HTML: **CSS:**