

Exam II
CIS 228: The Internet
Prof. St. John
Lehman College
City University of New York
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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 and XHTML files.
- (b) ___ CSS uses a box model to control how elements are displayed.
- (c) ___ % and em specify relative font sizes.
- (d) ___ If you mix 100% red, 100% green, and 100% blue you will get white.
- (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 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 columns, using the <tc> element.
- (j) ___ For a table, you can add background color to the whole table, but not an individual entry or cell.

2. Answer in two sentences or less the following:

- (a) What does the border-collapse property do? Give an example.

- (b) What does the margin property do? How does it differ from the border-collapse property?

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

- (a) _____ specify the width of an element
- (b) _____ include an image
- (c) _____ organize a list of entries
- (d) _____ change the text alignment of a paragraph
- (e) _____ change text height

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

Decimal	Hexcode
10	
	#10
20	
	#ad
	#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> 
    </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">
        
      </a>
      <a href="html/seattle_shuffle.html">
        
      </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 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:

```
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 sans-serif font throughout the page,
- `<h1>` and `<h2>` headings have a bold serif font,
- paragraphs inside the div with id `options` have solid borders, and
- `<h1>` headings should have a gray dotted bottom border.

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.

Area	Rate	Area	Rate
New York State-only	4.00	Albany	8.50
Allegany	8.50	*Bronx see New York City	
*Brooklyn see New York City		Broome	8.00
*Nassau	0.62	*New York (Manhattan) see New York City	
*New York City	8.38	Niagara	8.00

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><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 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).