## CIS 228 (Spring 2013)

Exam 2, 4/25/13
Name (sign)
Name (print) email

| Question | Score |
| :---: | :---: |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| TOTAL |  |

## Question 1

## True or false:

$\qquad$ Only one font can be named in a CSS font-family rule.
$\qquad$ The margin property defines the space inside the border of selected elements.
$\qquad$ The color $\operatorname{rgb}(0 \%, 0 \%, 50 \%)$ is a shade of blue.
$\qquad$ The span element is a block element used to group other block elements.
$\qquad$ Table heading, th, elements can be used to define row or column headings.
$\qquad$ Table data, td, elements can contain table elements.
$\qquad$ If floated at all, aside elements can only be floated to the right.
$\qquad$ A form element cannot contain a section element.
$\qquad$ Multiple checkbox values can be selected for the same name .
$\qquad$ By default, a caption element is displayed below the table it describes.

## Question 2

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

## $\qquad$ <br> Cause the inline content of footer elements to be centered.

___ Create a hyperlink to a web page.
$\qquad$ Specify the color to be used for the text inside a form element.
$\qquad$ Group consecutive block elements so that they can be styled as a unit.
$\qquad$ Make column headings in a table.
$\qquad$ Cause an aside element to "float" to the right edge of a browser window.
$\qquad$ Specify that the bullets of list elements of a ul element should be squares.
$\qquad$ Determine the size of characters to be used inside a blockquote on a web page.
$\qquad$ Specify the number of rows and columns of a textarea element on a form.
$\qquad$ Specify that the borders around the cells in a table be fused together.

## Question 3

Indicate which of the following identifiers is the name of $\boldsymbol{C}$ - an HTML character entity, $\boldsymbol{E}$ - an HTML element, $\boldsymbol{A}$ - an HTML attribute, or $\boldsymbol{P}$ - a CSS property.
(Hint: some may get more than one letter.)
__ caption
__ \&
_ href
__ title
color
$\qquad$ name
$\qquad$ width
$\qquad$ header
id
meta

## Question 4

Fill in the blanks with the name of an HTML element that could be an immediate child of the element named on its right and could be the immediate parent of the element on its left. Put an X in any blank that no element could fit.


## Question 5

The following diagram indicated the layout of a collection of files and directories (folders).

A) In the head element of hiring.html, attach the style.css style sheet.
B) In style.css, write a rule that sets the background image of hiring.html to pillow.png.
C) In hiring.html, write the opening tag of a form element that will use the POST method to submit the filled out form content to the hire.php application.
D) In style.css, write a rule that uses duck.jpg for bullets of list items in hiring.html.
E) In style.css, write a rule that floats any form elements to the right side of the page.

## Question 6

Give the specificity triples for the following CSS selectors and describe what content would be affected if the selector replaced the blank in the following rule. (Also, indicate the order of specificity of the selectors at the top of this page.)
$\longrightarrow$ \{ color : red ; \}
a) h3
b) blockquote ul p
c) p.legal
d) \#warrantee
e) article.deed p.title
f) em em
g) section\#witness div.expert a:visited
h) blockquote\#defendant $>$ ol table
i) article.petition $\mathbf{h} \mathbf{2}$. whereas $+\mathbf{p}$
j) div\#contract footer $\mathbf{p}$.fineprint:hover

## Question 7

Write a complete HTML 5 (standards compliant) document that corresponds to the following DOM tree:

```
html
    head
        meta charset="utf-8"
        title
            TODO Today
    body
        h2
            shopping
        ol
            li
            soap
            li
                supplies
            ul
            li
                pencils
            li
                                    pens
li
                    radio
```


## Question 8

Write the HTML 5 fragment to create the following table. (Don't worry about styling it.)

Address book

| Name | Email | Phone |
| :--- | :---: | :---: |
| Brown, John | jbrown@hf.com | $(824)$ 455-1248 |
| Douglass, Fred | fd@liborator.edu | $(287)$ 949-2328 |

## Question 9

Create a registration form for a student conference. The form will be processed by the "/scripts/register.php" application at the "www.conferences.com" domain. Remember that the browser will transform a completed form into a sequence of name-value pairs and send them to the application. The names for this form are listed in boldface and described below. You don't need to specify a complete web-page, just the form. You also shouldn't worry about styling the form. But, do make sure that the user has enough information to fill out the form. Remember to include a button to submit the form.
name: one line of text.
address: space for 3 lines of text 60 columns wide.
year: either "junior" or "senior" (use a menu).
days[]: zero or more of: "Saturday" and "Sunday".
meals: exactly one of "lunch" or "dinner" (don't use a menu).

## Question 10

The next page contains a poem.html document. Do not change the html. Create a complete style sheet (poem.css file) on the next page to achieve the following:
a) Set the default font size to large and the default font to be Comic Sans.
b) Float the whole poem on the right with a width of $\mathbf{3 0 0}$ picture elements.
c) Surround the poem with a dotted red border $\mathbf{4}$ picture elements wide.
d) Set the background and foreground colors for the poem to be yellow and \#770000.
e) Use the Times New Roman font for the poem text.
f) Center the poem's title and subtitle.
g) Have "Hegel" in the subtitle element display in the normal font style.
h) Align the text of the author element on the right.
i) Make sure the poem does not overlap the footer.
j) Set the size of the text in the footer to be three quarters the size of the normal text.

```
<html>
    <head>
        <title>Roaming</title>
            <meta charset="utf-8>
        <link type="text/css" rel="stylesleet" href="poem.css">
    </head>
    <body>
        <h2>Dialectics</h2>
        <aside id="poem">
            <p class="title">ROAMING IN THOUGHT</p>
            <p class="subtitle">(<em>After reading <em>Hegel</em>.</em>)</p>
                <p>
Roaming in thought over the Universe, I saw the little the is<br>
&nbsp;&nbsp; Good steadily hastening towards immortality,<br>
And the vast all that is call'd Evil I saw hastening to merge itself
<br>
&nbsp;&nbsp; and become lost and dead.
                </p>
            <p class="author">Walt Whitman</p>
            </aside>
        <section>Lots of other stuff goes here.</section>
        <footer>From the <em>Leaves of Grass</em> by Walt Whitman</footer>
        </body>
</html>
```

