Tufts University
Department of Computer Science
COMP 20: Web Programming
Spring 2014
Practice Quiz 1. Closed Book.
Please read all questions carefully before answering!

NAME: _____ LOGIN:_____

Quiz 1 will cover the following topics:

- Basic networking
- World Wide Web
- HTTP
- HTML
- HTML5
- Git
- Cascading Style Sheets (CSS)
- Responsive Design
- Document Object Model (DOM)
- JavaScript variables, basic functions, and basic objects (absolutely no need to memorize built-in JavaScript objects such as `Math` or `Date`)
- Assignment 1
- Labs 1 - 4

1 (2 points each). In CSS, an ID selector uses the ID attribute of an HTML element, and is defined with a _____. A class selector uses the class attribute of the HTML element, and is defined with a _____.

2 (2 points each). In HTML, _____ elements contain an entire large region of text while _____ elements affects a small region of text and must be nested inside a block-level element. The former type of elements typically automatically create new lines.

3 (4 points). Explain the purpose of an HTTP response header. Give two pieces of information that are generally provided by an HTTP response header.

4 (4 points). Consider the following HTML5 code:

```
<!DOCTYPE html>
<html>
<head>
<title>Survey</title>
</head>
<body>
<form action="survey.php" method="post">
<table>
<tr>
<td>What is your favorite website?</td>
<td><select name="website"><option value="1">Facebook</option><option
value="2">Google</option><option value="3">Yahoo!</option><option
value="4">YouTube</option><option value="5">Windoze Live</option><option
```

```
value="6">Wikipedia</option>...</select></td> <!-- The "..." means more
options -->
<td><input type="submit" name="vote" value="Vote!" /></td>
</tr>
<tr>
<td>Name a better website:</td>
<td><input type="text" name="other"></td>
<td><input type="submit" name="add" value="Add!" /></td>
</tr>
</table>
</form>
</body>
</html>
```

Draw out the form as it appears on a modern desktop browser (e.g., Chrome, Safari, Firefox, Internet Explorer; not lynx).

4 (3 points). List three drawbacks of HTML that HTML5 resolves.

Selected Answers:

1. #, .
2. block, inline
4. All tags must close, all elements are in lowercase, attributes for some elements are required (e.g., "alt" for "img")