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Homework: /SI110/The Cyber Battlefield/Client-Side Scripting: Event Driven & Forms

1. Consider the following HTML:

```
<html>
  <head></head>
  <body>

    The Chicago Bears were <em>fantastic</em> in 1985. Check out
    the <a href="http://en.wikipedia.org/wiki/1985_Chicago_Bears_season">
    '85 Bears Wikipedia entry</a>. In fact, most <em>educated</em> folks
    acknowledge them as the best football team ever.

    <span style="color:#FF6600" id="w1"> GO </span>

    <span style="color:#003399" id="w2"> BEARS </span>!

  </body>
</html>
```

a. There is one anchor (a) element. **Circle** the entire anchor element and **label** it A. 10/ 8/6/0

b. What attributes are defined for the first span element?
10/ 8/6/0

c. **Draw** a box around the *start* tag for the *last* span element, **draw** a separate box around the *end* tag for the *last* span element, and **label** both B. 10/ 8/6/0

d. What is the value of `document.getElementById("w1").innerHTML` ?
10/ 8/6/0

e. **Annotate** the HTML to show what would have to be done so that double-clicking (look at the online notes!) on the word *fantastic* causes the browser to pull up:
`http://www.pro-football-reference.com/teams/chi/1985.htm` 10/ 8/6/0

2. Follow the directions on this page: <http://rona.cs.usna.edu/~si110/lec/l13/hw/hw1.html>

a. **Describe** what happened: 10/ 8/6/0

b. Examine the page source ("View page source", if using Chrome). You probably won't understand everything in this file, but use what you do know to figure out the following:

i. To what kind of user action does the page respond? 10/ 8/6/0

ii. What single line in the file actually tells the browser what code to execute in response to the user action you identified in (i)? 10/ 8/6/0

3. Consider this HTML file:

```
<html>
<head></head>
<body>
  Fill this in!
  <form name="bio">
    <p>
      Last Name
      <input type="text" name="last" value="Doe">
    </p>
    <p>
      Age in Years
      <input type="text" name="age" value="17">
    </p>
  </form>
</body>
</html>
```

a. Draw what the page looks like when it is first loaded: 10/ 8/6/0

b. Draw what the page looks like after the following code is executed:

```
document.forms.bio.last.value = "Payton";
var x = document.forms.bio.age.value;
document.forms.bio.age.value = x*2;
```

3. **Extra Credit:** Check out the page: <http://rona.cs.usna.edu/~si110/lec/l13/hw/hw01.html>. Describe how you, as a user, can cheat on this guess-a-number game so that you "guess" correctly on the first try every time. **Hint:** View-Source and Chrome's Developer Tools Javascript console are your friends? 10/ 8/6/0