

Hand in a stapled, printed copy with your answers.

Homework:

/SI110/The Cyber Battlefield/Web/HTML Client Side Scripting: Non-event driven

1. You are the Naval Academy Public Affairs Officer. The basketball coach tells you that he wants to create a webpage that outputs "GO NAVY BASKETBALL" 100,000 times to each visitor's screen using JavaScript. Do you advise the coach to utilize client side or server side scripting? Why?

2. Describe what would appear in a browser if the following html file was loaded:

```
<html>
  <body>
    <script type="text/javascript">
      var iter = 0;
      while(iter < 1000){ document.write("Hello"); iter++;}</script>
    <script type="text/javascript">document.write("World");</script>
  </body>
</html>
```

3. Client-side scripts can be disabled in the Google Chrome browser using the following steps:

- (1) Click on the **wrench** icon
- (2) In the drop-down menu, select **Options**
- (3) Click **Under the Hood**
- (4) Click the **Privacy** category button: **Content settings**
- (5) Select the **JavaScript** category radio button:
Do not allow any site to run JavaScript

Write the steps to do the equivalent thing in the Firefox web browser:

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4. View the following two pages, whose HTML source is shown below:

<http://rona.cs.usna.edu/~si110/lec/l12/hw/hw4.html>

```
<html>
<head></head>
<body>
  <script type="text/javascript">
    document.location = "http://www.usma.edu";
  </script>

  ... and the surprise is ...

  <script type="text/javascript">
    alert("Get ready for a surprise!");
  </script>
</body>
</html>
```

<http://rona.cs.usna.edu/~si110/lec/l12/hw/hw3.html>

```
<html>
<head></head>
<body>
  <script type="text/javascript">
    alert("Get ready for a surprise!");
  </script>

  ... and the surprise is ...

  <script type="text/javascript">
    document.location = "http://www.usma.edu";
  </script>
</body>
</html>
```

a. Describe the difference in what happens when you visit hw3.html versus hw4.html, and explain why that different behavior happens in terms of the HTML source code shown above.

b. Turn off Javascript in your browser (just for this problem!) and go view the two pages again. Describe what you see on the two pages now, and explain the change.

5. What does the following html render?

```
<html>
<head><b>Hello</b> <br> World!</head>
<body>
<script type="text/javascript" src="secret.js"></script>
</body>
</html>
```