CIS 4004: Web Based Information Technology Spring 2011

Exam #2 Review

Instructor :   Dr. Mark Llewellyn
markl@cs.ucf.edu
HEC 236, 407-823-2790
http://www.cs.ucf.edu/courses/cis4004/spr2011

Department of Electrical Engineering and Computer Science
University of Central Florida

Topics Covered On Exam #2

- XHTML

- Cascading Style Sheets

- Advanced XHTML & CSS – Tables & Forms, Audio & Video

- CSS-P

- JavaScript - general syntax, intrinsic events, functions.

- PHP – general syntax, arrays, functions, regular expressions, form handling.

Structure of the Exam

- The exam will consist mostly of multiple choice and true/false questions. Anticipate around 40 questions of this type. (Approximately 80% of the total points are allocated to this type of problem.)

- There will be 2-3 short answer/description questions.

- You will be required to write a short section of XHTML that will include CSS, JavaScript, and PHP.

Sample Questions

1. JavaScript is a language which is designed for:

   a) Client-side scripting

   b) Server-side scripting

   c) Replacing XHTML and CSS

   d) None of the above

2. JavaScript code can be placed in either the `<head>` or the `<body>` of an XHTML document.

   a) True

   b) False

Sample Questions (cont.)

3.   Which of the following is not a valid JavaScript variable name?

   (a) alphaCentauri

   (b) 3rdexam

   (c) angela25

   (d) beta_gamma

4.   JavaScript has eighteen predefined intrinsic events. Which of the following is **NOT** one of those eighteen.

   (a) onmove

   (b) onclick

   (c) onmouseout

   (d) onload

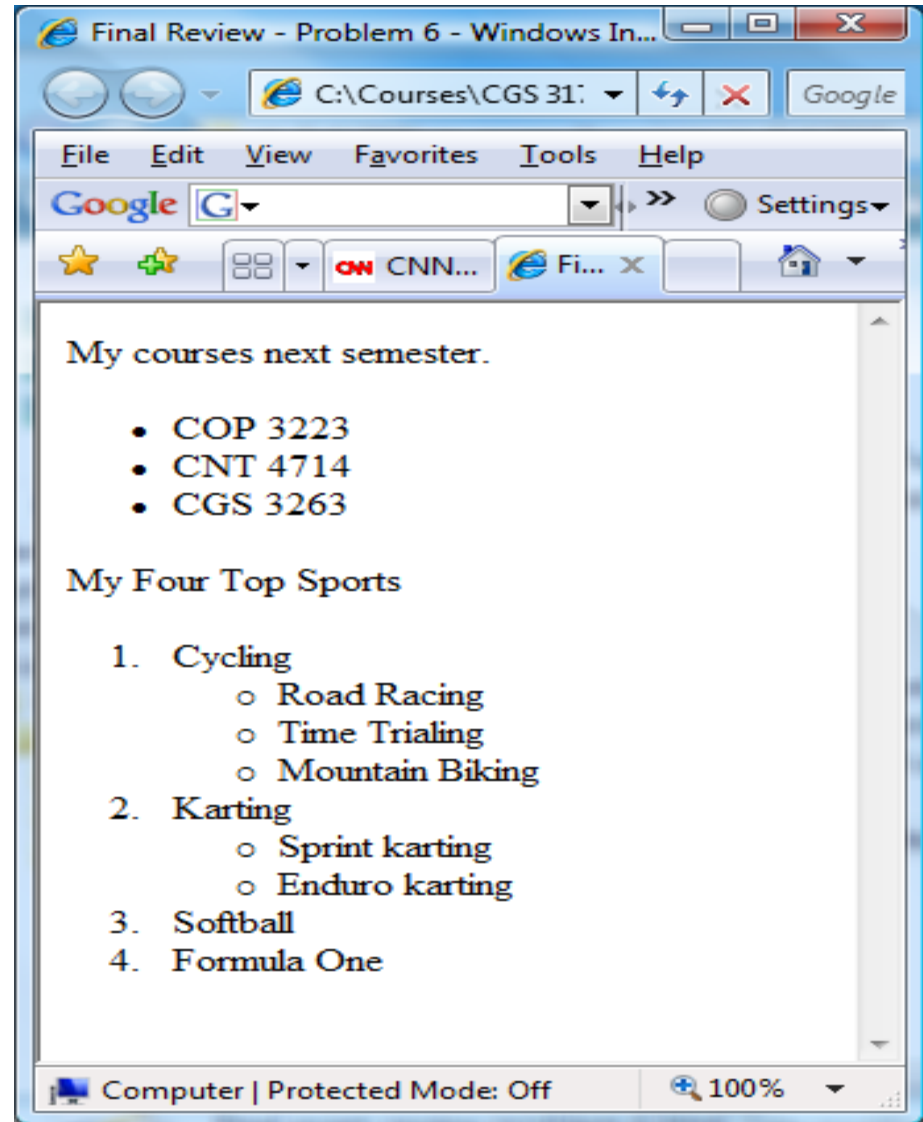   (e) onkeypress

Sample Questions (cont.)

5.   Which of the following tags is used to embed a JavaScript inside an XHTML document?

   (a) <javascript>

   (b) <script>

   (c) <language = "javascript">

   (d) None of the above are correct.

6. Write the XHTML that will produce the Web page shown below when rendered by a browser.

Sample Questions (cont.)

7. In an XHTML form, an input box is configured using the `<input />` tag with the type attribute set to "text".
    - (a) True
    - (b) False

8. In order for an XHTML form to "work" you must specify which of the following attributes in the `<form>` tag?

    - (a) action and style
    - (b) action and process
    - (c) action and method
    - (d) none of the above are correct.

9. The fieldset element in XHTML is used to organize form controls into groupings to be rendered by a browser.
    - (a) True
    - (b) False

Sample Questions (cont.)

10. Write a regular expression that will match strings of the form: PXXX-X-XX, where X represents any digit.

11. Write a regular expression that will match strings of the form: $x,xxx.xx where x represents any digit.

Solutions

1. JavaScript is a language which is designed for:

   a) Client-side scripting

   b) Server-side scripting

   c) Replacing XHTML and CSS

   d) None of the above

2. JavaScript code can be placed in either the `<head>` or the `<body>` of an XHTML document.

   a) True //can also be in an external file

   b) False

3.   Which of the following is not a valid JavaScript variable name?

   (a) alphaCentauri

   (b) 3rdexam //can't start with a number

   (c) angela25

   (d) beta_gamma

4.   JavaScript has eighteen predefined intrinsic events. Which of the following is **NOT** one of those eighteen.

   (a) onmove
   (b) onclick
   (c) onmouseout
   (d) onload
   (e) onkeypress

Solutions (cont.)

5. Which of the following tags is used to embed a JavaScript inside an XHTML document?

    (a) <javascript>

    (b) <script>

    (c) <language = "javascript">

    (d) None of the above are correct.

Solutions (cont.)

6.

```
audio4.html        video using hyperlink.html     final exam review problem 6.html

 7      </head>
 8      <body>
 9      <p>My courses next semester.</p>
10      <ul>
11          <li>COP 3223</li>
12          <li>CNT 4714</li>
13          <li>CGS 3263</li>
14      </ul>
15      <p></p>
16      <p>My Four Top Sports</p>
17      <ol>
18          <li>Cycling
19              <ul>
20                  <li>Road Racing</li>
21                  <li>Time Trialing</li>
22                  <li>Mountain Biking</li>
23              </ul>
24          </li>
25          <li>Karting
26              <ul>
27                  <li>Sprint karting</li>
28                  <li>Enduro karting</li>
29              </ul>
30          </li>
31          <li>Softball</li>
32          <li>Formula One</li>
33      </ol>
34      </body>
```

Since this list element contains an embedded list, it cannot end until the embedded list ends. So the end tag for this list element is here

Solutions (cont.)

7. In an XHTML form, an input box is configured using the `<input   />` tag with the type attribute set to "text".
   (a) True
   (b) False

8. In order for an XHTML form to "work" you must specify which of the following attributes in the `<form>` tag?

   (a) action and style
   (b) action and process
   (c) action and method
   (d) none of the above are correct.

9. The fieldset element in XHTML is used to organize form controls into groupings to be rendered by a browser.
   (a) True
   (b) False

Solutions (cont.)

10. Write a regular expression that will match strings of the form: PXXX-X-XX, where X represents any digit.

    ```
    ^P\d{3}-\d-\d{3}
    ```

11. Write a regular expression that will match strings of the form: $x,xxx.xx where x represents any digit.

    ```
    ^$\d,\d{3}\.\d{2}
    ```