**ITC 250/CPET 499 Web Systems**

# Fall 2013

**Homework Assignment #7**

Assigned Date: Oct. 31, 2013

Due Date: Nov. 11, 2013 before 3:00 PM (as email attachments)

**Individual assignment**

JavaScript Exercises/Problems

1. Modify Fig. 9.4 HTML page and Fig. 9.5 Javascript code so that extra Die Rolling Frequencies as shown in Fig. 9.6 (page 294) will be displayed under the Four Die Images as shown on page 289. Save the two files as Hw7-1.html and Hw7-1.js respectively.
2. Hw7-2.html Write a script that generates a Sine and Cosine table in the following format.
   1. Note that all trigonometry functions accepts angle theta in radians: sin() and cos(). Use Math.PI constant or property
   2. The following items should be in the HTML page

* “Start Print” button
* An area for display the table
  1. Proper CSS style for table should be used
  2. JavasScript and HTML pages can be together
     + Four arrays should be declared: theta\_deg, theta\_rad, sinArray, cos\_Array
     + Functions should be used

|  |  |  |  |
| --- | --- | --- | --- |
| Theta (degree) | Theta (radians) | Sin(theta) | Cos(theta) |
| 0 | PI\* 0 | 0.0000 | 1.0000 |
| 45 | PI\* 1/4 | 0.7071 | 0.7071 |
| 90 | PI\* 1/2 | 1.0000 | 0.0000 |
| 135 | PI\* 3/4 | 0.7071 | -0.7071 |
| 180 | PI | 0.0000 | -1.0000 |
| 225 | PI\* 5/4 | -0.7071 | -7.071 |
| 270 | PI\* 6/4 | -1.0000 | 0.0000 |
| 315 | PI\* 7/4 | -0.7071 | 0.7071 |
| 360 | PI\* 2 | 0.0000 | 1.0000 |

1. Do exercise 10.10, on page 356 and use file names Hw7-3.html and Hw7-3.js for the problem
2. Do exercise 11.10 – page 390

**Hand In Requirement**

1. Email all homework 7 html pages and JavaScript source codes to Prof. Lin at [lin@ipfw.edu](mailto:lin@ipfw.edu) .