

## **INFO 151 – Web Systems and Services**

### **Week #4: Coursework**

**1. Access the Moodle INFO 151 web site:**

- a. Complete this activity each week (Note: this activity will contribute to your final grade).
- b. Respond and post your response to the weekly discussion questions posted in the Moodle INFO 151 web site set weekly in weeks #1 to #9.
- c. Reply and respond to student postings to the discussion questions.

**2. Read and understand the concepts of:**

- a. Scripting environments including client-side and server-side scripting.
- b. Scripting with JavaScript including scripting languages.
- c. JavaScript identifiers, datatypes, and variables.
- d. Working with strings.
- e. Expressions, operators, operands, and operator precedence.
- f. JavaScript Functions including:
  - i. Functions including: the syntax, function prototypes, function invocation, function return, and self-invoked functions.
  - ii. Function as variables and objects.
  - iii. Variable scope (Global and local) including static variables.
- g. The documentation and debugging of JavaScript program.
- h. Program and software design including the terminology.
- i. An understanding of the primary computer processes and use of pseudo-code.
- j. Software testing and the methods.

**3. Scripting environments:**

- a. Read and investigate the motivation for client-side and server-side scripting.
- b. Prepare and submit a written summary of these environments.
- c. Submit the summary over Moodle (answer the Week#1 discussion questions) as a Moodle post and respond to other posts with your comments (assessed a part of the attendance grade).

**4. JavaScript exercises:**

- a. Complete the JavaScript programming exercises set out in the document: Weeks #4 #5 #6 JavaScript Exercises.