

## INFO 151 – Web Systems and Services

### Week #3: 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. The use of HTML <tags> including the <p> and <div> tags.
- b. Adding style using the four methods introduced in the tutorial.
- c. Cascading style sheets (CSS) including the CSS Frameworks.
- d. Understand the priority that applies when adding style using the four methods introduced in the Week #3 tutorial sessions.
- e. Website design using the methods introduced to design and build websites.

**3. Usability and the trade-off between security and usability**

- a. Prepare and submit a written summary of the essential factors to be considered in the trade-off between security and usability.
- b. 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. Practical exercise – adding style with CSS:**

- a. Build a multi-page website using the layout techniques introduced in the Week #3 tutorial.
- b. Create a new project in the NetBeans IDE b. Create two files: (a) index.html and (b) styles.css.
- c. The index.html file will create the web page and the styles.css will create the style to be added to the web page.
- d. Link the styles.css file to the index.html file.
- e. Run the program (files) in the NetBeans IDE.
- f. Correct any errors.
- g. Display the results in the web browser embedded in the NetBeans IDE and in a web browser.

**5. Practical exercise – using the XAMPP server:**

- a. Create a new folder in XAMPP htdocs folder (located in the XAMPP folder).
- b. Copy and paste the index.html file into the htdocs folder.
- c. Run the index.html file in a web browser.