SIT120 - Introduction to Responsive Web Apps

Week 1: Introduction to HTML, CSS

Overview:

In this week, you will gain better understanding of the web applications and introduction to basics of web designing. HTML provides the basic structure of sites, which is enhanced and modified by other technologies like CSS and JavaScript. CSS is used to control presentation, formatting, and layout. JavaScript is used to control the behaviour of different elements.

List of Tasks:

Pass Task 1 – Create an HTML Page

Instruction: HTML stands for Hypertext Markup Language. "Markup language" means that, rather than using a programming language to perform functions. Create an HTML page that includes at least five main HTML tags (like image, references, tables, forms, etc.). Please see **Week1 Task1 video** and visit https://www.w3schools.com/html/ for more information on HTML details.

Pass Task 2 – Add CSS to your HTML page

Instruction: CSS stands for Cascading Style Sheets. This programming language dictates how the HTML elements of a website should appear on the frontend of the page. Add inline, internal and external styling rules to the HTML page you have created in previous task. Give a column layout to the web page. Please see **Week1 Task2 video** and visit https://www.w3schools.com/css/default.asp for more information on CSS details.

Pass Task 3 – Adding JavaScript

Instruction: JavaScript is a logic-based programming language that can be used to modify website content and make it behave in different ways in response to a user's actions. Try adding responsive script elements somewhere in the page you have created. For example, a responsive button that shows date and time. Please see **Week1 Task3 video instruction** and visit https://www.w3schools.com/js/default.asp for more information on CSS details.

Pass Task 4 – How to use Git and GitHub

Instruction: To create a GitHub repository and push the code in GitHub please see **Week1 GitHub video** and visit https://github.com/ to create a GitHub account. To install Git on your machine visit https://git-scm.com/

Credit Task 5 – Vue.js Framework (homework)

Instruction: To create a basic Todo component using Vue, please see **Week1 Task5 video** and visit https://vuejs.org/v2/guide/

Note: Start using the dedicated Microsoft teams' channel to share ideas with peers, interesting things you have found related to web app development. Read assessment task 1 information sheet and get prepared to start working on it in Week 2 practical. Save all the work you have done in this practical to your local drive and commit to GitHub.