SIT120 - Introduction to Responsive Web Apps

Pass Task 2

Overview:

In this task, you will explore responsive web design. You will create responsive web page that work well on any device, phone, tablet, desktop etc. You will also do some tasks specific to JavaScript.

1 – Responsive Web Design

a. **Understand:** Go through the resources below or any that you can find and learn about responsive web design basics.
   Task to submit: Write what is responsive web design and why it is important ? (approx. 150 to 350 words)

b. **Implement:** Implement the concept of responsive web design:
   Task to submit: Write how to implement responsive web design with HTML and CSS (approx. 150 to 350 words) and create **a sample webpage (a HTML file)** that shows the concept of responsive web design.

Resources:

i. HTML Responsive Web Design [w3shools.com]
ii. Responsive Design [developer.mozilla.org]
iii. Responsive Web Design - Introductions [w3schools.com]

2 – JavaScript

Refer to the resources provided below or explore more and do the following. *(You can implement all these in a single HTML file or different files, separate from previous one)*

Task to submit: Create HTML file with following JavaScript concepts implemented:

a. String methods [at least 5]
b. Number methods [at least 5]
c. Array methods [at least 5; include both string and number types etc.]
d. Date methods [at least 5 variations]
e. Function Methods [at least 2]

Resources:

i. JavaScript String Methods (w3schools.com)
ii. JavaScript Numbers (w3schools.com) / Number Methods (w3schools.com)
iii. JavaScript Array Reference (w3schools.com)
iv. JavaScript Date Objects (w3schools.com) / Date - JavaScript | MDN (mozilla.org).
v. JavasScript Functions (w3schools.com)

3 – Write your reflections on the above tasks. (Max 150 words)

Submission Details:

1. Make sure you follow these instructions strictly.

2. All tasks need to follow these guidelines:
    1. **GitHub Repo** is a MUST. No zip files will be accepted. Please maintain one task sheet submissions in one GitHub Repo. Don't group all task sheets in one GitHub repo. [If you are keeping repo private then add tutors as collaborators]
    2. **Demo video** MUST be submitted. It MUST show JavaScript/website running successfully. Share your video through Deakin air, SharePoint, or unlisted YouTube link etc. (You can do the screen recording through Zoom; Zoom is free for all Deakin students or any other software)
    3. Provide **direct link** to both GitHub repo and video separately.
    4. Submit **a single PDF file** including reflections, screenshots, GitHub repo links video links etc. to OnTrack.
3. Plagiarism is unacceptable.
4. Due date: Please follow OnTrack due date.