INFR3120 – Web and Scripting Programming

Assignment 1
Portfolio Site using HTML and CSS

Due October 1st 2022 @ 11:59 pm

Value 10%

Portfolio Site   **Maximum Mark: 60**

Overview: Create your Personal Portfolio Website using **HTML-5 and CSS-3**. Your site must be hosted live on 000webhost.com/https://tiiny.host/ or any host of your choice. We will look into Heroku in next assignment.

All work must be your own with the following conditions:

External code (e.g. from the internet or other sources) can be used for student submissions within the following parameters:
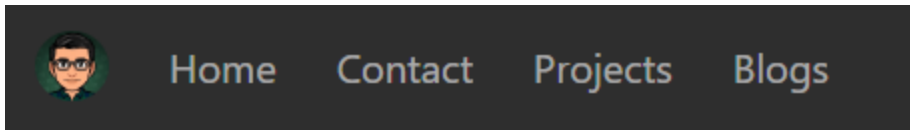1. The code source (i.e. where you got the code and who wrote it) must be cited in your internal documentation (Readme file).
2. It encompasses a maximum of 10% of your code (any more will be considered cheating).
3. You must understand any code you use and include documentation (comments) around the code that explains its function.

All submissions are subject to a code review where you may be asked to explain any of the code included in your project.

Instructions:
This site must include the pages from your Personal Portfolio 4 pages – your **Home page**, an **About Me** page, a **Projects page**, and a **Contact Me** page.

1. Site Structure and Functionality: **(4 + 6 + 4 + 6 + 2 + 4) 26 Marks**
   a. Home page should contain a Navigation for About Me, Project and Contact Me Page. Below is just an example, yours one can be different.

b. Add a photo and small introduction about yourself on About me Page. You should also embed a short introductory video about yourself in it or you can add any small video in the same page using HTML-5, display video controls and also poster element for the video. (video should be maximum of 60 seconds)

c. Project page should include about the projects/assignments you worked on like in Python or from any other subject.

d. Contact me page should contain a form through which visitor can contact you by filling it. Do apply the validation rules on the form like on Email, Phone etc. Form can have Name, Email, Cell No., Comments and Submit Button. Below is just a sample

e. In the footer add the email for contact and your copyright. Below is the sample

f. Must use the semantic tags where required like <header> <footer><nav><article> etc.

2. GUI/Interface   **(10+3+3) 16 Marks**

      a. Web page must be responsive using Fluid Design and Media Queries. Use separate CSS file for different view ports (mobile, tablet and laptop).

      b. Use linear gradient and angle linear gradient in any page or div of your choice.

      c. Create/Use the color scheme of your choice (https://color.adobe.com/create).

3. Testing and Validation: **10 Marks**

      a. Validate/Test your HTML code using W3C Markup Validation Service (http://validator.w3.org/).

      b. Validate/Test your CSS code using W3C CSS Validation Service (http://jigsaw.w3.org/css-validator/).

      c. Validate/Test links using W3C Link Checker (http://validator.w3.org/checklink).

      d. Check the spelling with the tool of your choice

      e. Test the page for Accessibility in WAVE (http://wave.webaim.org/).

4. Share your files on **GitHub** to demonstrate Version Control Best **(8 Marks: Version Control and Cloud Deployment).**

      a. Your repository must include **your code** and be well structured (2 Marks: Version Control).

      b. Your repository must be private and you must add Munieb1603, Tanzina00 and NoorAliMujtaba as a collaborator. Include **commits** that demonstrate the project being updated at different stages of development – each time a major change is implemented (2 Marks: Version Control).

      c. Site must be deployed on 000webhost.com or any other cloud environment. (4 Marks)

SUBMITTING YOUR WORK
Your submission should include:
1. A link to your live portfolio site hosted with a Cloud provider (likely Heroku)
2. Submit the .zip file on Canvas

Feature	Description	Marks
GUI / Interface Design	Display elements meet requirements. Appropriate spacing, graphics, colour, and typography used. Portfolio conveys a professional appearance. Work on different view ports.	16
Site Structure and Functionality	Site deliverables are met and site functions are met. No errors, including submission of user inputs.	26
Testing and Validation	Site should be tested for accessibility, HTML, CSS code and for spelling mistakes	10
Version Control	GitHub commit history demonstrating regular updates.	4
Cloud Deployment	Deploy site to Cloud Service.	4
Total		**60**

This assignment is weighted **10%** of your total mark for this course.

Late submissions:
- 20% deducted for each day late.