Introduction to ITWS

Quiz 1: February 14, 2022

**Directions**

There are 3 questions of multiple parts. Point values and suggested times are indicated

Place your name on the top of the document in the header

Enter your answers directly into a copy of this document (with the exception of #2)

All answers should be in be in Your Own Words, and use proper grammar

Make sure your answers use an alternative font AND color – (a legible font, and not Black or Red)

* By now, you should have your local iit folder and your GitHub iit repo connected
* Create a branch call iitQ1 – you are to work in this branch for this quiz
* Somewhere below the root (iit) folder of your site, and consistent with your IA, create a folder for this quiz named: s22Quiz1
* Save this document (or a copy) as: *yourRCSid*-quiz1.docx (or doc) into this folder
* Copy the quiz1.html file (provided) into this folder, and rename it to: *yourRCSid-*s22Quiz1.html
* When finished with the quiz, zip your website root (iit) folder and all related files into a file named

ITWSQuiz1-*yourname*-*yourRCSid*.zip

* Submit the ZIP file to LMS
* Commit your changes to your repo in the q1 branch

**Additional Notes**

DO NOT merge the branch back to main

DO NOT move these changes to your RCS website

Make sure your submitted document remains in MS Word format – Pages, GDocs, etc… will not be graded.

Follow all these instructions and additional instructions throughout this document, or you will lose points

1. Network protocols, HTML & WWW : (20 points, 10-20 minutes)  
   1. What is a VPN and what is it used for? If you have used it, how have you done so and why – be specific? (5 points)

* 1. As discussed in class, what is a protocol? What are some examples, and explain how we found them during class (5 points).
  2. Explain the IP and OSI stack as discussed in class. How are they different and why? (5 points)
  3. What is the difference between TCP and UDP? Explain in detail how/why/where they are used and give examples (5 points)

1. HTML & CSS (60 points, 40 minutes) In Lab 3, you created a website to host your classwork; specifically, your labs, according to your Information Architecture (IA). You are now going to build a template for showing the lab instructions in your individual styles.

As instructed above, make sure you have the appropriate files in your quiz folder. You will be working primarily on the quiz1.html and related files for this question

* 1. Modify the file to look consistent with your site by linking it to a new CSS file (which you must create) named *yourRCSid-s22*Quiz1.css and place it in the same resources folder as your personal website’s CSS file (Hint: you will likely have 2 CSS files linked in your html file)
  2. Add at least 1 new external font from Google Fonts to the page
  3. Add readme.md or readme.txt file to your quiz folder. Put anything into it that you’d like us to know about your strategy for this question – if there is nothing, it may be empty, but it must be included. (Hint: partial credit can be your friend)
  4. When done, commit your code and push it to your GitHub account.

(NOTE: Do NOT merge the branch back to main or you will receive no credit)

* + 1. You may edit the HTML as you will – the local file links have been removed for clarity.
    2. (Hint: if you have not added us as contributors, then this is your last chance. To receive credit for this question, we will be looking at your commits and comparing the versions – if we cannot see your repo, you will not receive credit for this question)

1. “Ford” Case (20 points, 20 minutes)  
   1. From the case, the discussion in class, on Discord, and what you have learned since: In your opinion, has Ford continued to follow the strategy outlined in the case? Explain how or how not. (10 points)
   2. Based on the conversation in class, did you change your opinion? Why or why not? Be specific. (105 points)