Introduction to ITWS

Quiz 1: October 6, 2025

**Directions**

There are 4 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 named: F25-quiz1-*yourRCSid*.docx
* All answers should be in complete sentences, 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)
* Answer question referencing (as appropriate) content and example from class.
* 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: (15 points, 10 minutes) Answer the following question referencing (as needed) content and examples from class.   
   1. Explain, in detail, and ***in your own*** words: What is a 3-way handshake and why do we care? Give examples as covered in class (5 points)

* 1. What are HTML, XML, CSS and JSON? How do they relate to each other? Be descriptive and detailed in your answer using descriptions from class (5 points).
  2. What is Azure? How are we using it? Why are we using it? (5 points)

1. DevOps (15 pts, 10 minutes) Answer the following question referencing (as needed) content and examples from class.
   1. What is Git? How is it relevant for this class – be specific?
   2. What is a PR, and what is it used for? How have you used them this in this class? How is it important in the overall development process?
   3. Where on the file system do our webservers try to serve webpages by default? What is the significance of this location as it pertains to the root of your personal websites? (Be specific)
2. HTML, XML, CSS, & JavaScript (30 points, 30 minutes) Answer the following question referencing (as needed) content and examples from class.
   1. Write the code necessary (HTML/CSS only) to display 4 equally sized boxes. centered within another larger box that has a light blue background and a border. (15)
   2. What selectors (if any) did you use, why did you choose them? (5)

* 1. What is the CLEAR method? (5)
  2. What is vibe coding, and how have you observed it this year? Be very specific in your observations. (5)

1. Case 1: Method (40 points, 30 minutes)
   1. From the point of the end of the case to date, what has happened? (Include 2 examples in your answer. Be specific to the class and your independent research.) (15 points)
   2. If RPI wanted to change the way they manage students, in your opinion, how should they implement a solution? (In house, SaaS, something else) (Be descriptive and clear in your own words referencing your own case work, research, and conversation in class (25 points)