Introduction to ITWS

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

Enter your answers directly into this document (unless instructed otherwise)

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

There are multiple questions on this test. Make sure you complete them all.

Make sure your answers use an alternative font and/or color – (not black or red)

Create a branch for this quiz called quiz2 and switch to that branch

Create a folder, somewhere under the root of your website (iit) for this quiz called quiz2

Save this document into that folder as *yourName*-*yourRCSID-S25*Quiz2.docx

Create a readme file in the same folder and discuss any relevant information about the quiz.

(Include at least; your GitHub id, Repo name, Azure homepage link, and Discord handle.)

Place all quiz other specific documents (if any) in the same folder

Commit your changes as instructed below and push to GitHub

DO NOT create a pull request or merge your changes

When done also submit a zip of your work (repo ok) to LMS using the naming convention above

NOTE: You are not to discuss this quiz with anyone. You are not to reference old (previous semester) submissions for ‘help’ or guidance. You may not solicit or receive help online or in-person. You may reference online resources, and you may use the notes from this class, but all work must be your own and you must figure out the solutions on your own. Do not us AI to answer these questions – you may use it for assistance – however if you do, you must state explicitly what you asked and what was returned in your readme files.

1. Technology (coding): (40 points, 30 minutes)
   1. Create an XML file with the necessary tags to store at least 5 of your books. Make sure to include at least the title, author, and a short description. (20 points)
   2. Using JavaScript and/or jQuery as in the in class JSON examples, write the code/files necessary to (20 points) (NOTE do not use AJAX)
      1. Make your collection a valid JavaScript variable
      2. List out the book names and description in an ordered list. (10 pts)
      3. Bind an event to the names, so that when the user hovers over an item, the author’s name appears in some way (your choice) (10 points)
2. Technology (description) (20 points, 15 minutes): Web Development
   1. What is jQuery and what is jQuery UI? How have we used them in this class? How do you include them in your website - give example (5 points)
   2. Given the implementation of your personal site on your Azure instance, If the root of your web server were to change to /webserver/www, how would you need to change your deployment to host your personal website? (5 points)
   3. Write a function using a callback that when called via a click event, will change the color of that item’s text to green, and then back after 2 seconds. (Show both the call and then function) (10 pts)
3. Web Science/HCI (20 points, 15 min) (Explain in detail)
   1. According to the Lecture by Dr. Erickson, what is Web Science? Why is it important? (10 points)
   2. What are the 4 quadrants in a web interface? What principles, if any describe how a website is viewed? Why is this important? (5 points)
   3. What is Balsamiq and how do we use it? How did you use in in class and how did you use it for your projects? Be specific) (5 points)
4. Cases 1 & 2 – (20 points, 10 minutes) (Explain in detail)
   1. What is the difference between Agile and Waterfall
   2. What is Blockchain? How is it used outside of Cryptocurrency? Be specific.