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 an issue in GitHub stating that quiz 2 is taking place

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-F22*Quiz2.docx

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

(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

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.

1. Technology (coding): (40 points, 30 minutes)
   1. You will be making changes to your websites by adding a login form to your site
2. Make sure you are connecting your html file to jQuery via CDN
3. Add a small form anywhere on your page that has fields for a userid and password and a submit/login button – make this form hidden upon initial page load
4. Add a menu option to your homepage that says ‘Login’
5. When selected, have the form appear.
6. When the user enters a name and password, validate the form
7. DO NOT worry about checking user id and password. Assume any entry other than blanks is correct
8. After submitting the form,
   1. Change the Login item in the menu to Logout
   2. Hide the form
   3. Once, a & b are complete, open a dialog that says, ‘User logged in Successfully’
9. If the user clicks ‘Logout’, replace the Logout with Login as at the beginning
10. Technology (description) (20 points, 15 minutes): Web Development
    1. When initiating a connection between the Client and the Server, what is the first thing that happens? Be Specific and give an example used in class (5 points)
    2. We have learned the jQuery function in class. Explain, in detail, what is happening in the following code samples (10 points) {i:2,ii:2,iii:6}
       1. $(document).ready(function() { });
       2. $(“bodyBlock”).html(output);
       3. $.ajax({type:‘GET’,

url:’https://rpi.edu’,

dataType:’html’,

success: function(thePage) {

// do something with thePage

},

error: function(msg) {

// do something with msg

}

});

* 1. Let’s say that I am trying to run my JavaScript code above, and the file is not loading. How would I test out my code and try and identify the error. (Be specific and explain your debugging process) (5 points)

1. Web Science (20 points, 15 min) (Explain in detail)
   1. According to the Lecture by Dr. Erickson, what is Web Science? Why is it important?
   2. How does web science complicate our daily lives – be descriptive and include an example from your own personal experience
   3. How would you apply the concepts from your definition in a, to help with the problem you described in b?
2. Cybersecurity (20 points, 10 minutes) (Explain in detail)
   1. According to the lecture, what is the biggest threat when it comes to cybersecurity? Why?
   2. What is the CIA? How is it related to cybersecurity?
   3. What is are SSH keys and how do they work? How have we used them in this class beyond this cybersecurity lecture?