Introduction to ITWS

Quiz 2: March 21, 2022

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 4 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

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-S22*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, 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 merge the branch to you will get a 0 for this quiz

Submit a link to your repo to LMS

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): (50 points, 40min)
   1. You will be making changes to your website
   2. Create an issue indicating that Quiz 2 is taking place.
   3. Check out the quiz2 branch from your iit repo

You should make stages/commits to this branch – DO NOT merge it back or you will receive no credit for this quiz.

* 1. Forms
     1. Add a login form to the main page of your website containing a UserID, Password and Button that says ‘login’ – ex.



* + 1. (The form may be on the main page, in a modal, or on a separate page – your choice.)
    2. It should not break any of the ‘rules’ covered in lab 5
    3. When the ‘Login’ button is clicked, you must validate the form using JavaScript
    4. To validate successfully, the userID must match your RCSID and the password must match the word ‘password’.
    5. You only need to validate for non-blank fields
    6. When the form is submitted, the form should issue a GET request back to the index.html page.
    7. After validation, post a message to the screen in the header or footer that says whether the user is logged in or not logged in
    8. Using jQuery, make the message green if validation passes, and red if not.
    9. The JavaScript for the form must be in a separate document in your quiz2 folder
  1. Using external fonts from Google – make sure your Header and Menu and Footer use one unique font, and your text uses another.
  2. Close the issue on GitHub with a detailed comment
  3. Make sure your readme is descriptive and styled (Headings, etc… Nothing fancy)

1. Technology (description) (10 points, 10 min): Web Development
   1. I want to use jQuery for my website, but I don’t want to use the jQuery call and a company API already uses the ‘$’ to call its functions. What can I do? Show an example.
   2. I have written a website with 200,000 lines of HTML, CSS and JavaScript. How can I go about making my site more efficient for the end user? Describe in detail and give at least two example covered in class.

1. HCI - Website mockups (20 points, 15 min)
   1. Create/choose a persona for your website and create a user story – including your new ‘login’ function. Describe it below. If you like, but not required, include any mockups that might help tell your story.
2. Web Science (20 points, 15 min)
   1. Social Problem
      1. Using references from the in-class lecture, identify a social problem and propose an engineered solution. What could you do to offer a solution?