Introduction to IT: ITWS 1100

Final Quiz: Dev 6, 2021

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 Detailed and in be in Your Own Words, and use proper grammar

There are 2 main 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)

Save this document as *yourRCSID-yourName*-F21Quiz3.docx

Create a readme file and discuss any relevant information about the lab, include at least; your GitHub id, Repo name, and Discord handle.

Place all quiz specific documents including this one under your iit folder in a folder named

quiz3

When finished with the quiz, zip your iit folder into a file named

*yourRCSID-yourName*-F21Quiz3.zip

Submit it 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.*

Remember to save as you go,

Good luck!

1. HTML, CSS, JavaScript, jQuery, PHP, and then some … (60 Points, 45 min)

In lab 3 you built a simple website using (primarily) static HTML. In Quiz 2, you enhanced your website with jQuery and jQueryUI. In Lab 9 you modified your projects page to read from a JSON file using jQuery and AJAX.

Now I want you to repurpose your websites again. This time, I want you to prepare to build them using data stored in your DBMS and setup your pages using PHP.

* + Create a branch for this quiz, tag it as *iitQuiz3 (5 points)*
  + Create a database in your MariaDB (MySQL) server named, *iitQuiz3 (15 points)*
    - In this database, create a table named *myProjects*
    - Make sure you have a primary key, that is automatically set that is 4 bytes in length
    - Create the fields necessary to store your project menu information
  + You are now going to fill your database with the data necessary to build your projects page (hint: convert your JSON data) (30 points)
    - Write a program named loadData.php which will display a form on the screen to accept the data for your lab and insert it into the database.
    - It must validate the entry using JavaScript and/or PHP – your choice – no more complicated than the validations we did in labs or in class.
    - It must have the ability to insert new record and display the table’s data.
    - It may follow similarly in function to the examples in class
  + Document your code (required, up to 5 points off)
  + Output your database to a file named *yourRCSID-*F21Quiz3.sql, making sure to include all the commands necessary to create your database and table along with adding the data for your website. (5 points)

* + In your readme file, include instructions telling us how we are to setup your database and tables and data. (5 points)
  + Commit your code and push it to github – do not merge it. (required, up to 10 points off)

1. PM: (40 points, 30 minutes)
   1. As discussed in the lecture: What is Product Management and how does it differ from Project Management (10 points, 5 minutes)

Product Management is an industry term for a user advocate role that is based around asking the questions “What are we building” and “Why are we building something”. They are more focused on defining the success of a product and gauging how consumers would react to the product(more customer focused. This differs from project management which is a completely different role compared to product management and is based around the question “when will this be done?” (more of a deadline focused job than Product management which focus on looking into the why of a product, not the when).

* 1. What was your team number? How did you manage your project? After seeing the lecture, what, if anything would you do differently and why? Be specific (As always, complete in your own words and in complete sentences) (10 points, 10 min)

I was on team 6. We managed our project by having all of us plan out what we thought should be on the website and then making each thing an issue in github to be designed / fixed. After seeing the lecture I think we should have deliberated tasks a bit better and looked deeper into what attributes of our website we really wanted stand out and what things we shouldn’t have prioritized over functionality as that could have helped our project immensely.

* 1. As described in the guest lecture, what is OKR? Describe how you would use one or more (or how you did) in your group project, and why. (20 points, 15 min)

OKR stands for Objectives and Key Results. It is basically a way to set goals effectively for teams and for individuals with results you can measure. For our group project, I think we could have set several objectives to help keep us on track and within the given assignment time (such as coding a stellar menu / header first before we go on to styling it, or getting one page of our website done at a time rather than jumping around). This would have helped us to complete certain important parts of our website rapidly and debug them one at a time rather than what we did which was push our changes back to the main branch and possibly mess up the code or functionality of someone working on a different page. For example if I were working on the about us, someone could have pushed a new page with new style that would interfere with mine without even knowing. Several OKR’s would have been very helpful in centralizing our work and completing each part of it rapidly and effectively.