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-S24*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 into Production

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. Note that content simply lifted from the results of a search and put as your answer is plagiarism – Answer in your own words to demonstrate your understanding of your question, and your answer.

1. Technology (coding): (40 points, 30 minutes)
   1. What is AJAX? How do we implement it using jQuery? (10 points)
   2. Write the jQuery function to read your RSS file (either one, but only one) from lab 4 and output the Title, and Link in an ordered list in HTML (20 points)
   3. What does $.on() do? Explain, in your own words, how and where we used it class. Also explain how it is useful, and why we need/don’t need it. (10 points)
2. Technology (description) (30 points, 20 minutes): Web Development
   1. Explain, in explicit detail, what is happening in the following code samples. (20 points)

(NOTE i. and ii are related and should be considered together in your answers to each)

* + 1. <html>

<head>

<style>

@import url('https://fonts.googleapis.com/css2?family=Rye&display=swap')

</style>

</head>

<body>

<p class=”chaptText” id=”hdr”><span class=”chaptStart”>O</span>nce upon a time…</p>

<button type=”button” onclick=”javascript:pop();”></button>

<a href=”#hdr” class=”linktype”>Where am I</a>

</body>

</html>

* + 1. .chaptStart {

font-family: "Rye", serif;

font-weight: 600;

font-style: normal;

font-size: 150%;

}

.chaptText {

font-family: “Rye”, serif;

font-weight: 400;

font-size: 90%;

font-style: normal;

}

* + 1. getElementsByTagName(p);
    2. .contactInfo {height:50px;width:120px;float:right;clear:right}
    3. $(document).ready(function () {

let age=50;

let insuranceCutOffAge=60;

if (age<insuranceCutOffAge) {

alert(‘yep’);

} else {

alert(‘nope’);

}

});

1. Web Science (10 points, 15 min) (Explain in detail)
   1. According to the Lecture by Dr. Erickson, what is Web Science? Why is it important?
   2. How could Web Science concepts (from your answer to a) be used to help identify and perhaps create awareness around some world problem (pick your problem – poverty, health, whatever you choose)
2. HCI (10 points, 10 minutes) (Explain in detail)
   1. According to the lecture, what are two of the main principles in interface design? How are they used, and why are they so popular?
   2. What is a user persona? Why do we use them? How do we develop them?
3. Fidelity Case (10 points, 10 minutes)
   1. How did Generative AI affect your answers. Did it help you learn more about the topic and details contained in the case?
   2. Who is Fidelity? What is Fidelity Labs? Why does Fidelity care about technology?