Final Project HTML5 CSS

1. You will create a final project that is a quiz and uses HTML5 and CSS. There is some JavaScript provided for you. You should choose the correct answer to complete the JavaScript code. The interface will look something like this.

Graphical user interface, application

Description automatically generated

1. In the HTML5 file:
   1. Create an HTML5 document using the DOCTYPE declaration (from the first day of class).
   2. Add the meta charset tag.
   3. Add a meta viewport tag. We saw this but here is a hint:

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

* 1. Link to a style sheet.
  2. Put all appropriate tags into the head area of the page.
  3. The JavaScript file wants use to use certain specific ids, so if you end up off with ids, just send the html and CSS interfaces and the responses to your questions. I can tweak the code to make sure it matches the JavaScript.
  4. Inside the body, open and close a div element with class="quiz-container" id="quiz"
  5. Inside that div element, open and close another div element with class="quiz-header"
  6. Inside the div element you just made, add a <h2 id="question">Question text</h2>. Then create a list of four list items. Each list item will have a radio button with a label for it. So there will be a total of four radio buttons, one in each list item.
     1. All four radio buttons will have the name "answer" and class will also be called "answer." Their ids will be a,b,c,d.
     2. Each radio button will have a label tied to it with the label’s for attribute and the radio button’s id attribute.
     3. The labels will each have their own id: a\_text, b\_text, c\_text and d\_text. In between label tags, put the word Question as a placeholder- the provided JavaScript file will replace it.
  7. Before the body element closes, add a submit button with id="submit" and point to the JavaScript file with <script src="script.js"></script>

1. In the CSS file:
   1. Style the body element.
      1. It has the background color of your choice.
      2. Set it to use a sans-serif font.
      3. You can position the quiz part by styling the body element with:

display: flex;

align-items: center;

justify-content: center;

height: 100vh;

* 1. Style the quiz-container class.
     1. Set the background color of your choice, a border-radius, a box-shadow, and a 600px width.
  2. For the quiz-header class, set some padding.
  3. For the h2 element, set padding to an amount of your choice and center it.
  4. For the list (unordered or ordered), remove bullet points.
  5. For the all list items (li) inside, set a relative font size and the margin of your choice to make it look nice.
  6. Style the submit button. Suggestions:
     1. Background color, text color, border (or border:none), display: block, width, relative font size and padding, a readable font-family.
  7. Make the submit change in appearance (such as in color) when hovered over, and another style (or color) when clicked (:focus in CSS). Any outlines that appears upon clicking can be removed with outline:none.

1. The JavaScript is already written but you should provide the answers. Whatever you put here will be registered by the JavaScript as correct, but provide me with your answers so I can check for actual correctness 😊
2. So, you must put in the letter of the correct answer in the spot that is labeled correct for each of the 20 questions. This code is in the script.js file already provided, at the top. Note that the trailing comma in this code is ok:

const quizData = [

{

question: "Which language runs in a web browser?",

a: "Java",

b: "C",

c: "Python",

d: "JavaScript",

correct: "",

},

{

question: "What does CSS stand for?",

a: "Central Style Sheets",

b: "Cascading Style Sheets",

c: "Cascading Simple Sheets",

d: "Cars SUVs Sailboats",

correct: "",

},

{

question: "What does HTML stand for?",

a: "Hypertext Markup Language",

b: "Hypertext Markdown Language",

c: "Hyperloop Machine Language",

d: "Helicopters Terminals Motorboats Lamborginis",

correct: "",

},

{

question: "What year was CSS launched?",

a: "1950",

b: "1996",

c: "2013",

d: "none of the above",

correct: "",

},

{

question: "Who makes Web Standards?",

a: "Google",

b: "IEEE",

c: "W3C",

d: "none of the above",

correct: "",

},

{

question: "Which is the HTML element for the largest heading?",

a: "<header>",

b: "<h1>",

c: "<h6>",

d: "none of the above",

correct: "",

},

{

question: "What is the correct HTML element for inserting a line break?",

a: "<br>",

b: "<break>",

c: "<span>",

d: "none of the above",

correct: "",

},

{

question: "Which adds a background color?",

a: "<background>yellow</background>",

b: "<body bg=yellow>",

c: "<bgColor>red</bgColor>",

d: "none of the above",

correct: "",

},

{

question: "Which of the following is STRONGLY emphasized text?",

a: "<strong>",

b: "<i>",

c: "!important",

d: "none of the above",

correct: "",

},

{

question: "Which creates a hyperlink?",

a: "<link>",

b: "<a href='http://www.google.com'>click</a>",

c: "<a name='top'></a>",

d: "none of the above",

correct: "",

},

{

question: "Which of these elements are all <table> elements?",

a: "<table><tr><td>",

b: "<table><tr><head>",

c: "<table><tr><foot>",

d: "none of the above",

correct: "",

},

{

question: "By default in HTML, inline elements are normally displayed without starting a new line.",

a: "true",

b: "false",

c: "sometimes",

d: "none of the above",

correct: "",

},

{

question: "Where in an HTML document is the correct place to refer to an external style sheet?",

a: "<body>",

b: "anywhere",

c: "<head>",

d: "none of the above",

correct: "",

},

{

question: "Which HTML attribute is used to define inline styles?",

a: "style",

b: "<style>",

c: "class",

d: "none of the above",

correct: "",

},

{

question: "Which is correct?",

a: "{body:background:gray}",

b: "body{background:gray}",

c: "body=background:grey",

d: "none of the above",

correct: "",

},

{

question: "Which CSS property changes the text color?",

a: "font-color",

b: "color",

c: "background-color",

d: "none of the above",

correct: "",

},

{

question: "Which CSS property changes the background color?",

a: "bgcolor",

b: "background-color only with no shortcut",

c: "background-color or just background for short",

d: "none of the above",

correct: "",

},

{

question: "What is an example of relative sizes?",

a: "2em",

b: "150%",

c: "a and b",

d: "none of the above",

correct: "",

},

{

question: "What is the correct CSS syntax for making all the <p> elements in the whole file bold?",

a: "div p",

b: "p + ul",

c: "p.active",

d: "none of the above",

correct: "",

},

{

question: "How do you display hyperlinks without an underline?",

a: "a{text-decoration:none;}",

b: "a{underline:none;}",

c: "a{text-decoration:no-underline;}",

d: "none of the above",

correct: "",

},

];