Question 1

1. A reset, reboot, or \_\_\_\_\_\_\_\_\_\_\_ CSS file is used to reduce browser inconsistencies by making browsers render elements consistently and in line with modern standards.

Normalize

1. Besides hosting and referencing your own CSS normalize file, you can use a CDN (content delivery network) like

.min

Min

1. The \_\_\_\_\_\_\_\_\_\_ is the framed area on a display screen and each responsive web page needs to have a meta tag defined for this property.

viewport

1. Which of the following is the correct way to reference a font from the Google Font API?

<link href="https://fonts.googleapis.com/css?family=Montserrat" rel="stylesheet">

1. Google Fonts makes product and web pages run faster by safely caching fonts without compromising users’ privacy or security. Google Fonts is an API or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Application Programming Interface

1. \_\_\_\_\_\_\_\_\_\_\_\_  let you adapt your site or app depending on the presence or value of various device characteristics and parameters and are a key component of responsive design. As an example, they can shrink the font size on small devices, increase the padding between paragraphs when a page is viewed in portrait mode, or bump up the size of buttons on touchscreens.

Media Query

1. Which of the following code snippets is the correct way to write an HTML comment?

<!-- Place a storefront picture here -->

1. Rewrite the following div element start tag using an appropriate, semantic HTML5 tag, and be sure to include the opening and closing brackets < >.

<div id="footer">

<footer>

1. Write the document type declaration markup statement for an HTML5 file. Be sure to include the appropriate opening and closing brackets < >.

<!DOCTYPE html>

1. Which of the following is a web-based, version-control and collaboration system that will be used in this course to provide a viewable domain for your work?

Github

1. Which of the following HTML elements wraps all the content on the entire page and is sometimes known as the root element?

HTML

1. File Path Question: To link to a target file in the directory above or in a sibling path the invoking HTML file, what syntax is used in the file reference?

Example: If a file named index.html was inside a subfolder named products and needed to reference an image inside a subfolder named images, the reference could be completed properly using which of the following choices to fill in the blank provided in the href property given here? href="\_\_\_/images/sunset.png"

..

1. Which of the following snippets correctly references an external JavaScript file name myScript.js located in a subfolder named js in HTML?

<script src="js/script.js"></script>

1. Given the following HTML code snippet:

<main>

<section class="linklist">

<h2>WDD 230: Assignment Portal</h2>

<ul>

<li>Lesson 02: <a href="#">Assignment Link</a></li>

<li>Lesson 03: <a href="#">Assignment Link</a> </li>

</ul>

</section>

</main>

Which of the following CSS rule headings only selects the list item elements in the unordered list without error?

.linklist ul li

1. What is the name of the **browser** extension that you are required to install for this class?  
   We will use this extension to help us validate HTML and CSS as well as check links and accessibility plus much more!

Web Developer

1. Given the following JS code snippet with variables, rewrite the entire statement using a template literal.  
   Here is an an example of the output desired: "There are 54 days until Christmas!"  
   You can assume that all the variables used in the concatenated expression have been declared and are ready to use. You must include a closing semicolon.

const daysUntil = "There are " + daycount + " days until " + targetEvent + "!";

const daysUntil=`There are ${daycount} days until ${targetEvent}!`;

const daysUntil = `There are ${daycount} days until ${targetEvent}!`;

1. Given the following HTML snippet, match each of the following to its corresponding label/definition.

<section class="temple highlight">  
 <h3>Salt Lake Temple</h3>  
 <p>The Salt Lake Temple is a landmark and symbol for The Church of Jesus Christ of Latter-day Saints.</p>  
 <p>The purpose of this temple and all other Latter-day Saint temples is to help all of God’s children come closer to Jesus Christ.</p>  
</section> an opening element

Highlight class attribute value

Class attribute

</p> a closing tag

The whole snippet given section element

<h3>Salt Lake Temple</h3> a nested element

Salt Lake Temple content

1. HTML tags are case sensitive. For example, <Main> is different than <main>.

False

1. Make the following content into an HTML comment.

<!--This is an HTML comment-->

1. Using the following CSS, provide the correct CSS **comment syntax** to make the words "Class Selectors" a valid CSS comment.

Class Selectors  
.highlight {  
 background-color: rgba(255, 242, 0, 0.4);  
}  
.active {  
 text-decoration: overline;  
}

/\* Class Selectors \*/

1. Write the CSS declaration that applies the Grid layout to the selector.

display: grid;

1. Write the CSS declaration that applies the Flex box layout to the selector.

display: flex;

1. Match each of the following website planning document sections to its correct definition.

describes the visitors purpose in visiting and using the site of which the site content can provide the answers : Scenarios

attempts to provide scope to the website in describing what services it provides: Site purpose

a reliable and realistic representations of your key audience segments for reference: Personas

provides examples of the fonts to be used and where they are to be applied: Typography

a simple layout diagram: Wireframe

1. A CSS comment is used to add explanatory notes to the code or to prevent the browser from interpreting specific parts of the style sheet. CSS comments have no effect on the layout and style of the document. - MDN

True or False? CSS Comments can be used to traverse multiple lines as shown here:

True

1. HTML comments are not displayed in the generated browser document, but they can help provide explanatory, development references in your HTML markup.

Make the text \*\*\* Call to Action \*\*\* in the following HTML example snippet a valid HTML comment.

\*\*\* Call to Action \*\*\*  
<aside class="cta">Join Now!</aside>

<!--\*\*\* Call to Action \*\*\*-->

1. Which of the following HTML elements is an **inline-level** element by default?

(Mark all that apply): a / img

1. The CSS box model refers to the conceptual, rectangular area that exists on HTML elements. The box model has four, basic components listed below.  
   Match each component to its correct order of appearance **from the outermost part of the rectangle model to the innermost part of the model**.

Padding: Third

Margin: outermost: first

Content: innermost: last

Border: second

1. Given the following HTML code snippet:

<main>

<h2>The Blue Mountain Express</h2>

<ul class="linklist">

<li>Item 1</li>

<li>Item 2</li>

<li>Item 3</li>

</ul>

</main>

Which of the following CSS selectors **only** selects the the list item elements in the unordered list without error?

.linklist li

1. Which of the following uses the correct CSS element selector syntax for a CSS declaration?

img { padding: 1em; border: 1px solid black; }

1. Which of the following technologies are considered to be CORE web technologies and found on most Frontend Web Design and Developer positions under requirements?

CSS , HTML, Javascript

1. What is the default **display** value of an <img> element?

Inline

1. What is the default **display** property of a paragraph (<p>) element?

Block

1. Which of the following CSS Flexible Box Layout properties allows us to set the direction of the flex container items into a single column?

Flex-direction

1. What CSS **property** allows us to clear floats that precede the selected element(s) in the HTML structure? Clear
2. Complete this thought. All of the following CSS properties **add** to an element's width except                 .

the margin

1. Which of the following units of measure in CSS are **absolute** units if any? PX, in, pt
2. Finish this statement about responsive design.   
   CSS media query breakpoints should be based upon                                             .

the site content itself and the site layout

1. The following screenshot captures a paragraph <p> wrapping around an image <img>.   
   Complete the CSS declaration by filling in the blank with the appropriate property declaration that supports this layout.

p img {   
   \_\_\_\_\_\_\_\_\_\_: right;  
   margin: 1em;  
}

Float

1. What character(s) is/are used to designate the start of a media query in CSS markup?

@

1. A key concept behind responsive design is fluidity and proportionality as opposed to fixed width layouts. Using relative units for measurements can help simplify layouts and prevent accidental creation of components that are too big for the viewport. Which of the following is an example of a fixed width CSS declaration?

width: 420px;

1. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a small, iconic image that represents your website.

Favicon

1. With the position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ declaration set for a selected element, the element is removed from the normal document flow, and no space is created for the element in the page layout. It is positioned relative to its closest positioned ancestor, if there is one.

Absolute

1. What HTML5 **element** lets you define zero or more <source> elements, followed by one <img> element, optionally intermixed with script-supporting elements, essentially allowing you to define more than one image based on the view and browser support.

<picture>

1. Optimization is the process of trying to find the magical balance between and file size.
2. Which of the following choices completes this statement at the blank?  
     
   **Device-pixel ratio** is the number of device pixels per                                pixel.

CSS

1. Which of the following is the correct way to tell the browser how much space to reserve for the image while it loads to help prevent [cumulative layout shifts Links to an external site.](https://nitropack.io/blog/post/fix-cls)?

<img src="images/frontier.jpg" alt="Frontier Decorative Backing" width="300" height="250">

1. What CSS property sets one or more background images on an element?

background-image

1. Match each image file format that can be used on the web with a correct summary description of use.

BMP : should not be used on the web

GIF : Simple images and animations

JPEG: Most popular choice and widely

PNG: Preferred for more precise…

SVG: Ideal for interface elements

WEBP: Best compression option

1. Which of the following CSS Grid Layout properties is a shorthand to create a gutter or alley between grid cells?

gap / grid-gap

1. Which of the following is more suited for layouts in two dimensions?

Grid

1. How many columns will be displayed on the screen given the following code snippets?

<div class="wrapper">  
  <div class="col1">One</div>  
  <div class="col2">Two</div>  
  <div class="col3">Three</div>   
  <div class="col4">Four</div>  
  <div class="col5">Five</div>  
</div>

.wrapper {  
   display: grid;  
   grid-template-columns: 1fr 2fr 1fr 1fr;  
}

**4**

1. Which of the following code snippets will **horizontally and vertically** center the content of children elements within the parent container, .parent-selector?

.parent-selector {  
    display: flex;  
    justify-content:center;  
    align-items: center;  
}

1. Progressive loading of assets on a page is also known as \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.

Lazy loading

1. Consider [this css-tricks.com article Links to an external site.](https://css-tricks.com/native-lazy-loading/), which references the use of the IntersectionObserver JavaScript object labeling it as cumbersome. A new attribute has been introduced by Google and supported by the Chrome 75+ browser named ***loading*** with three different values. The concept of using an HTML attribute and value of loading="lazy" and the browser being able to support in versus requiring JavaScript by the user is called which of the following?

Native Lazy Loading

1. What is the name of the API used in this week's Progressive Loading activity?

Intersection Observer

1. The attribute specifies that the input field should automatically get focus when the page loads.
2. Which of the following HTML snippets will produce the following table structure of data?

|  |  |
| --- | --- |
| Temperature | High: 90 |
| Low: 70 |

<table class="dataA">

<tr>

<td rowspan="2">Temperature</td>

<td>High: 90</td>

</tr>

<tr>

<td>Low: 70</td>

</tr>

</table>

1. Which of the following is an element that specifies a list of pre-defined options for an <input> element. Users will see a drop-down list of the pre-defined options as they input data into this interface.

<datalist>

1. Which of the following is the most commonly used form element?

<input>

1. Each input field must have a attribute to be submitted. If this attribute is omitted, the data of that input field will not be sent.
2. Given the following HTML form snippet of markup, which of the following user inputs would meet the regular expression rule written in the pattern attribute?

<input type="text" name="code-mark" pattern="[A-Za-z19]{5}" title="The Code Mark"> 1cat9

1. Which of the following input types would be the best choice for displaying choices to a user if they are only allowed to select one?

type="radio"

1. Rewrite the following HTML statement to make the input field a required field. You must be exact when typing the answer to get full credit so be careful on how you type out your markup.

<input type="text" name="unit">

<input type="text" name="unit" required>

1. Finish the following HTML table markup by filling in the blank.

<tr>  
  <td>Product 345</td>  
  <td>Product 231</td>  
  <td colspan="2">Product 333<\_\_\_\_\_>  
</tr>

</td>

1. HTML tables can be used as an effective and desired layout structure for web pages given how easy they are to markup.

True

1. Complete the following statement by filling in the blank with the most appropriate choice from the selection provided.

JSON is                           written with JavaScript object notation in mind using name/value pairs.

TEXT

1. Finish the following JSON snippet by filling in the blank with the appropriate syntax to make this a valid name/value pair.

{ "temple"\_\_\_"Oakland" }

:

1. Given the following that the JavaScript object myTrip is defined, what will be the value of x given this snippet?

const myTrip = {

"month":"July",

"year":"2015",

"temples": ["Logan", "Bountiful", "Manti", "Draper", "St. George", "Cedar City" ]

}

let x = myTrip.temples[3];

DRAPER

1. What does the acronym API stand for in the context of this week?

Application programming interface

1. A global fetch() method is part of the Fetch API that provides an easy, logical way to fetch resources \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ across the network.

Which of the following terms correctly fills in the blank in the previous statement?

Asynchronously

1. Convert the following concatenated string to a template string.

"Welcome back " + firstName + "! You last visited on <strong>" + lvdate + "</strong>."

 📄 The **Home** page is a contemporary, exciting landing page providing images of fruit and produce including specialty fruit drinks that are ready to serve and made fresh. The page must contain the following.

1. Include an information card about the total number of specialty drinks that the current user has submitted from the Fresh page form. This information should just be stored locally, with the user's agent (browser).

 📄 The **Fresh** page contains a form that allows the user to build a specialty drink.

1. The form requires the following items:
   1. first name,
   2. email,
   3. phone,
   4. three (3) select inputs that are populated with the available fruit to put into a drink. Available **fruit options** must only come from this JSON data source: [FRUIT](https://brotherblazzard.github.io/canvas-content/fruit.json)
   5. [Links to an external site.](https://brotherblazzard.github.io/canvas-content/fruit.json) for full credit consideration.
   6. and, include an area that allows them to add special instructions if needed.
2. **Do NOT** send the form to a new page upon form submission.  Instead, use a JavaScript event handler to produce a formatted output area on this same page showing:
   1. the **input** values of the order (7 inputs = *first name, email, phone, three selected fruits, and special instructions*),
   2. the **order date**, and
   3. the total amount of **carbohydrates**, **protein**, **fat**, **sugar**, and **calories** based upon the three fruit choices selected on the form. Again, use the JSON fruit data to extract and sum up that information.