**Frontend Assignment**

**Part 1: Web Designing Part**

**Web Designing**

**MODULE: 2 CSS and CSS 3**

• ***What are the benefits of using CSS?***

Faster Page Speed. More code means slower page speed.

Better User Experience. CSS not only makes web pages easy on the eye, it also allows for user-friendly formatting.

Quicker Development Time.

Easy Formatting Changes.

Compatibility Across Devices.

***• What are the disadvantages of CSS?***

CSS, CSS 1 up to CSS3, result in creating of confusion among web browsers.

With CSS, what works with one browser might not always work with another.

There exists a scarcity of security.

After making the changes we need to confirm the compatibility if they appear.

***• What is the difference between CSS2 and CSS3?***

CSS3 has compatibility with external font styles through google fonts and typecast. It was not possible with earlier CSS1 and CSS2. The selectors in CSS3 has increased while CSS1 and CSS2 only had simple selectors. CSS1 AND CSS2 didn't have provision to specifically design the web layout.

***• Name a few CSS style components***

Selector: class name, id name or element name that is target.

Attribute: name of the attribute you want to style for example border, color,background, position etc.

Value of Property: value that will be assigned to attribute.

***• What do you understand by CSS opacity?***

The CSS opacity property is used to specify the transparency of an element. In simple word, you can say that it specifies the clarity of the image. In technical terms, Opacity is defined as degree in which light is allowed to travel through an object.

***• How can the background color of an element be changed?***

To add background color in HTML, use the CSS background-color property. Set it to the color name or code you want and place it inside a style attribute. Then add this style attribute to an HTML element, like a table, heading, div, or span tag.

***• How can image repetition of the backup be controlled?***

This task can be achieved by using the background-repeat property that will help us to control the repetition of the image. The background-repeat property in CSS is used to repeat the background image both horizontally and vertically. It also decides whether the background image will be repeated or not.

***• What is the use of the background-position property?***

The background-position property sets the starting position of a background image. Tip: By default, a background-image is placed at the top-left corner of an element, and repeated both vertically and horizontally.

***• Which property controls the image scroll in the background?***

The background-attachment property sets whether a background image scrolls with the rest of the page, or is fixed.

***• Why should background and color be used as separate properties?***

Why background and color are the separate properties if they should always be set together? There are two reasons behind this: It enhances the legibility of style sheets. The background property is a complex property in CSS, and if it is combined with color, the complexity will further increase.

***• How to center block elements using CSS1?***

To centrally align the block elements, we can simply make use of the <center> tag. All the elements within the <center> tag will be centrally aligned.

***• How to maintain the CSS specifications?***

The CSS specifications are maintained by the World Wide Web Consortium (W3C).

***• What are the ways to integrate CSS as a web page?***

CSS can be added to HTML documents in 3 ways:

Inline - by using the style attribute inside HTML elements.

Internal - by using a <style> element in the <head> section.

External - by using a <link> element to link to an external CSS file.

***• What is embedded style sheets?***

 It allows you to define styles for a particular HTML document as a whole in one place. This is done by embedding the <style></style> tags containing the CSS properties in the head of your document.***• What are the external style sheets?***

An external style sheet is a separate CSS file that can be accessed by creating a link within the head section of the webpage.

***• What are the advantages and disadvantages of using external style sheets?***

The advantages of External Style Sheets are as follows :

With the help of External Style Sheets, the styles of numerous documents can be organized from one single file.

In External Style Sheets, Classes can be made for use on numerous HTML element types in many forms of the site.

In complex contexts, Methods like selector and grouping can be implemented to apply styles.

The disadvantages of External Style Sheets are as follows :

An extra download is essential to import style information for each file.

The execution of the file may be deferred till the external style sheet is loaded.

While implementing style sheets, we need to test Web pages with multiple browsers in order to check compatibility issues.

***• What is the meaning of the CSS selector?***

CSS selectors are used to "find" (or select) the HTML elements you want to style.

***• What are the media types allowed by CSS?***

All, aural, braille, embossed, handheld, print, projection, screen, tty, tv

***• What is the rule set?***

A ruleset is a collection of rules to be processed in a particular business case. It serves as an entry point for rule processing and can be used as an alternative to a top expression assigned to a function.