Modern HTML Assignment

Assignment Question

1.List out the features of HTML5

HTML5, the fifth revision of the Hypertext Markup Language, introduced several new features and enhancements. Some of the key features of HTML5 are:

1. Improved Semantics: HTML5 introduced new semantic elements like <header>, <nav>, <section>, <article>, etc., which provide better structure to web pages and assist search engines in understanding the content.

2. Multimedia Support: HTML5 introduced native support for multimedia elements like <audio> and <video>, enabling playback of audio and video content without the need for plugins like Flash.

3. Geolocation: HTML5 includes a Geolocation API that allows websites to request the user's location information, enabling location-based services and applications.

4. Offline Storage: HTML5 introduced new offline storage options like localStorage and sessionStorage, which allow web applications to store data locally on the user's device, enabling offline functionality and faster load times.

5. Web Storage: HTML5 introduced the Web Storage API, which allows for persistent storage of key-value pairs in the browser, offering an alternative to cookies for session management and data storage.

2.What are HTML entities?List out 5 commonly used HTML entities.

HTML entities are special characters that cannot be directly written in HTML code because they may conflict with the language syntax or have special meanings.

Here are five commonly used HTML entities:

1. &amp; - Ampersand: - Entity Name: &amp; - Decimal Numeric Character Reference: &#38; - Description: Represents the ampersand character "&".

2. &lt; - Less-than Sign: - Entity Name: &lt; - Decimal Numeric Character Reference: &#60; - Description: Represents the less-than sign "<".

3. &gt; - Greater-than Sign: - Entity Name: &gt; - Decimal Numeric Character Reference: &#62; - Description: Represents the greater-than sign ">".

4. &quot; - Quotation Mark: - Entity Name: &quot; - Decimal Numeric Character Reference: &#34; - Description: Represents the quotation mark " or ".

5. &copy; - Copyright Sign: - Entity Name: &copy; - Decimal Numeric Character Reference: &#169; - Description: Represents the copyright symbol "".



In the context of web development, accessibility refers to designing and developing websites and web content that can be accessed and used by people with disabilities. It is about ensuring that people with varying abilities and disabilities can perceive, navigate, interact with, and understand the content on a website.

Creating accessible websites is essential for several reasons:

1. Inclusion and Equal Access:

2.Search Engine Optimization (SEO)

3. Improved User Experience

4. Expanded Audience Reach



To improve the accessibility of HTML, consider implementing these three ways:

1. Properly Structuring HTML Markup

2. Providing Alternative Text for Images

3. Using Descriptive and Meaningful Link Text



The page highlights three key features of HTML5:

1. Improved Semantics

2. Native Multimedia Support

3. Canvas Element

Full Stack Web Development