Assessment 1

HTML images and forms are fundamental components of web development, each serving distinct purposes in enhancing user experience and functionality. Images in HTML are incorporated using the <img> tag, which allows for the embedding of graphic content directly into web pages. This tag can include attributes such as src for specifying the image source, alt for alternative text descriptions enhancing accessibility, and width and height for controlling the display size. Effective use of images enhances visual appeal and can aid in conveying information more vividly.

Forms in HTML are created using the <form> tag, which is essential for collecting user input. Within this tag, various input elements like text fields, checkboxes, radio buttons, and submit buttons are used to capture data. Crucial to the functionality of forms is the action attribute, which defines the URL where the form data should be sent upon submission. Additionally, the method attribute indicates how the data is transmitted, with common methods being GET and POST. GET appends data to the URL, suitable for non-sensitive data and actions that do not alter server state, while POST sends data in the body of the HTTP request, ideal for sensitive information or actions that modify server state. Understanding and implementing these elements effectively is key to creating interactive and user-friendly web interfaces.