WEB TECHNOLOGIES POSSIBLE QUESTIONS

QUESTIONS

Question 1: Form Validation

You are tasked with implementing form validation for a user registration form on a website. The form should have fields for the user's name, email, password, and password confirmation. The validation requirements are as follows:

Name: Required, must be at least 3 characters long.

Email: Required, must be a valid email format.

Password: Required, must be at least 6 characters long.

Password Confirmation: Required, must match the password field.

Using HTML and JavaScript, create a form validation script that displays error messages next to each field if the validation fails. The form should not submit until all fields are valid.

Question 2: Image Gallery

You are developing an image gallery for a website. The gallery should display thumbnails of images, and when a thumbnail is clicked, the full-size image should be displayed in a modal popup. The modal should have navigation buttons to move between images.

Using HTML for the gallery layout and JavaScript for the image popup functionality, create a simple image gallery that meets the requirements described above.

Question 3: Quiz Application

You are creating a quiz application that displays multiple-choice questions to users. The quiz should have 5 questions, and the user should be able to select one answer for each question. After submitting the quiz, the application should display the user's score.

Using HTML for the quiz layout and JavaScript for the quiz logic, implement a quiz application with the specified requirements. The quiz questions and answers can be hardcoded for simplicity.

Question 4:

You are tasked with creating a registration form for a website. The form should include fields for the user's name, email address, password, date of birth, checkbox for agreeing to the terms and conditions. Additionally, the form should include client-side validation to ensure that the user enters valid information before submitting the form. Using HTML, create the structure for the registration form described in the scenario. Include the necessary input fields, labels, and a submit button.

Implement client-side validation to validate the email address format, password length, and age restriction for the date of birth field. Display appropriate error messages if the validation fails.

Question 5:

How can you utilize JavaScript to implement form validation on a website, ensuring that IAA students provide accurate personal details during their online registration? The required information includes a registration number in the format BCS-00-0000-0000, an email address, a profile photo in jpg format only, and a password containing at least three special characters with at least one capital letter.