

Question 2: Form Validation using HTML, JavaScript and DOM

"Design a website using HTML and Java Script to implement advanced form validation with the following features:

1. Use JavaScript and regular expressions to validate form fields including Name, Credit Card Number, CVV, and Expiry Date.
2. Ensure validation checks include:
 - The Name field contains only alphabets.
 - The Credit Card Number starts with specified digits and meets the required length.
 - The CVV has the correct length.
 - The Expiry Date is validated to ensure it is in the future.
3. Incorporate DOM manipulation to dynamically generate month and year dropdowns for expiry date selection.
4. Implement user-friendly features such as automatic focus movement to the next field after successful entry in the current field.

Provide the HTML structure, JavaScript code, and explain the validation process for each field."

Sampe Output:

Form Validation Example

Name:

Credit Card Number:

CVV:

Expiry Date:



Form Validation Example

Name:

Name must contain only alphabets. Credit Card

Number:

Card number must start with 4, 5, or 6 and have 16 digits. CVV:

CVV must be a 3-digit number. Expiry Date:



Expiry date must be in the future.