

Giri's Tech Hub, Pune.

UI Machine Test

Batch: Aug/Sep/Oct-24

Date : 15/07/2025

Time : 02 to 05 Pm.

Instructions :

- Do not use any external libraries like Bootstrap or jQuery.
- Implement form validation using JavaScript only (not type=email, etc.).
- Your solution must include HTML structure, CSS styling, and JavaScript logic in separate sections.
- Create a folder named FormValidationTest and include 3 files: index.html, style.css, script.js.

Scenario :

Create a Student Registration Form with the following fields:

1. Full Name (text)
2. Email Address
3. Contact Number
4. Gender (Radio Buttons: Male / Female / Other)
5. Date of Birth (dd-mm-yyyy)
6. Address (Textarea)
7. Course Selection (Dropdown: BCA, BBA, B.Sc, B.Com, BA)
8. Password
9. Confirm Password
10. Submit Button

Functional Requirements :

A. HTML (Structure)

- Properly structured semantic HTML5 form.
- Use <label> with for attributes for each input.
- Use placeholder text appropriately.

B. CSS (Styling)

- Create a clean, responsive layout using CSS.
- Use a centered form with padding and border.
- Add styling for input focus (border color changes).
- Add error message styling (red color, small font).
- Make the form responsive for mobile.

C. JavaScript (Validation Logic)

Implement the following validations using JavaScript:

- 1. Full Name: Required, minimum 3 characters.**
- 2. Email: Validate format using regex.**
- 3. Contact Number: Only digits, 10 digits exactly.**
- 4. Gender: One option must be selected.**
- 5. DOB: Must not be empty and age must be 18+.**
- 6. Address: At least 20 characters.**
- 7. Course Selection: Must not be empty.**
- 8. Password:**
 - **Minimum 8 characters**
 - **Must include at least one number, one uppercase letter, and one special character.**
- 9. Confirm Password: Must match the Password.**
- 10. Display appropriate error messages below each input.**
- 11. On successful validation, show an alert:**
"Registration Successful!"
and reset the form.

D. Bonus (Optional)

- **Disable Submit button until all validations are passed in real-time.**
- **Add toggle visibility for password fields using an eye icon.**

-----ALL THE BEST-----