

AI23431 – WEB TECHNOLOGY & MOBILE APPLICATIONS

PROJECT 2 – VALIDATION FORM USING JAVASCRIPT

QUESTION : WRITE A PROGRAM USING THE JAVASCRIPT TO CREATE A REGISTRATION OR VALIDATION FORM.

CONSTRAINTS : IF ANY MISSING FIELD OCCURS , SHOW DROPDOWN NOTIFICATION WHICH SHOWS “PLEASE FILL OUT THIS FIELD”

HTML CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>REGISTRATION</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="form-container">
    <h2>REGISTRATION FORM</h2>
    <form action="" method="post">
      <label for="first-name">FIRST NAME:</label>
      <input type="text" id="first-name" name="first-name" required>

      <label for="last-name">LAST NAME:</label>
      <input type="text" id="last-name" name="last-name" required>

      <label for="email">E-MAIL:</label>
      <input type="email" id="email" name="email" required>

      <label for="password">PASSWORD:</label>
      <input type="password" id="password" name="password" required>

      <label for="age">AGE:</label>
      <input type="number" id="age" name="age" required>

      <label for="phone">CONTACT NUMBER:</label>
      <input type="tel" id="phone" name="phone" required>
```

```
        <button type="submit">SUBMIT</button>
    </form>
</div>
</body>
</html>
```

CSS CODE

```
/* Reset default styling */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

/* Body styling */
body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

/* Form container styling */
.form-container {
    background-color: #fff;
    padding: 30px;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    width: 100%;
    max-width: 400px;
    text-align: center;
}

h2 {
    margin-bottom: 20px;
    color: #333;
}

/* Form label and input styling */
label {
    display: block;
    margin: 10px 0 5px;
    text-align: left;
```

```
        color: #555;
    }

    input {
        width: 100%;
        padding: 10px;
        margin: 5px 0 15px;
        border: 1px solid #ddd;
        border-radius: 4px;
        font-size: 16px;
        box-shadow: 10px 10px 5px rgb(120, 128, 130);
    }

    button {
        padding: 10px 20px;
        background-color: #a54fd6;
        color: white;
        border: none;
        border-radius: 4px;
        font-size: 16px;
        cursor: pointer;
        width: 100%;
        margin-top: 10px;
        transition: width 2s;
        cursor: pointer;
        box-shadow: 10px 10px 5px rgba(120, 128, 130);
    }

    button:hover {
        background-color: #823fb2;
    }
}
```

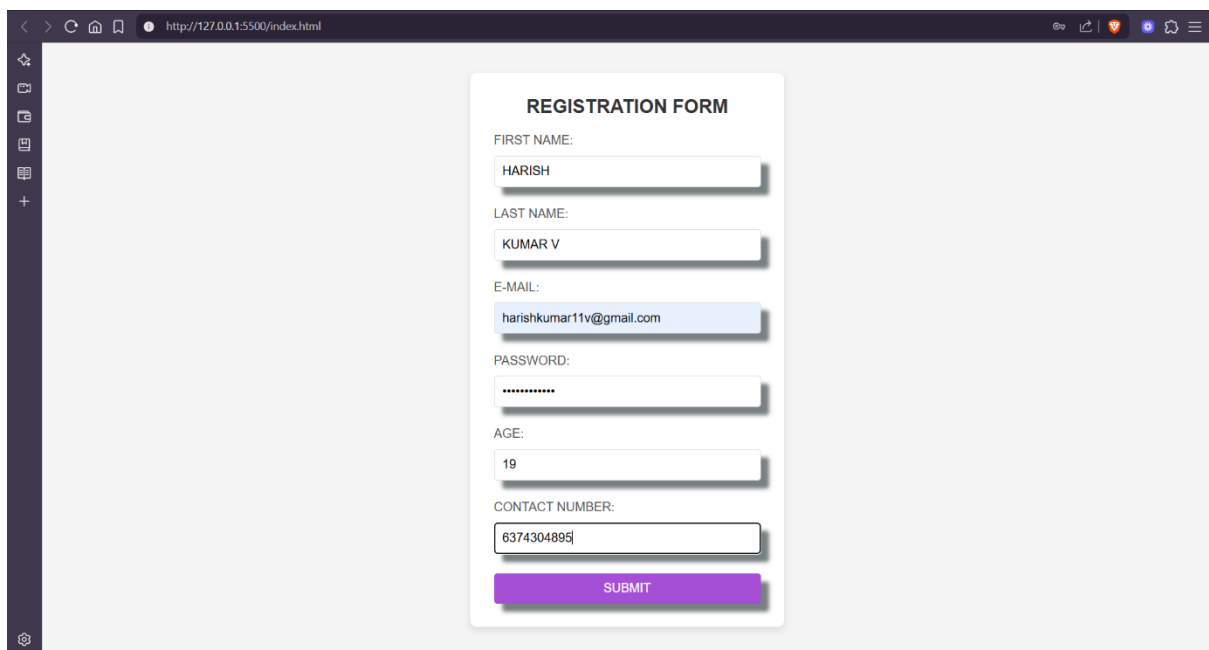
JAVASCRIPT CODE

```
document.getElementById("registrationForm").addEventListener("submit",
function(event) {
    event.preventDefault(); // Prevent form submission

    // Collecting form data
    const firstName = document.getElementById("first-name").value;
    const lastName = document.getElementById("last-name").value;
    const email = document.getElementById("email").value;
    const password = document.getElementById("password").value;
    const age = document.getElementById("age").value;
    const phone = document.getElementById("phone").value;
```

```
// Validate form data (basic validation for non-empty fields)
if (firstName && lastName && email && password && age && phone) {
  const message = `
    <h3>Registration Successful</h3>
    <p>Name: ${firstName} ${lastName}</p>
    <p>Email: ${email}</p>
    <p>Age: ${age}</p>
    <p>Phone: ${phone}</p>
  `;
  document.getElementById("form-message").innerHTML = message;
} else {
  document.getElementById("form-message").innerHTML = "<p style='color:
red;'>Please fill in all fields.</p>";
}
});
```

OUTPUT SCREENSHOTS



The screenshot shows a web browser window with the address bar displaying "http://127.0.0.1:5500/index.html". The browser interface includes standard navigation buttons (back, forward, refresh, home) and a sidebar with icons for file management and development tools. The main content area displays a registration form titled "REGISTRATION FORM". The form contains the following fields and values:

- FIRST NAME: HARISH
- LAST NAME: KUMAR V
- E-MAIL: harishkumar11v@gmail.com
- PASSWORD: (masked with dots)
- AGE: 19
- CONTACT NUMBER: 6374304895

A purple button labeled "SUBMIT" is positioned at the bottom of the form.

REGISTRATION FORM

FIRST NAME:

LAST NAME:



Please fill out this field.

E-MAIL:

PASSWORD:

AGE:

CONTACT NUMBER:

SUBMIT

OUTPUT LINK

https://drive.google.com/drive/folders/1shbKwpL6R_HH5GWPy5zzfApWVCgFJUP?usp=sharing