**Softwave Infobyte Internship**

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**Contact Form Documentation**

**Approach**

The goal of this project was to create a user-friendly contact form with client-side validation using HTML, CSS, and JavaScript. The form collects user information such as name, email, phone number, subject, and message. Upon submission, the form data is validated to ensure that all required fields are filled out correctly.

**Validations Implemented**

**Required Fields**

All form fields are marked as required, ensuring that users cannot submit the form without filling out all necessary information.

**Email Validation**

The email field is validated using a regular expression to ensure that the entered email address follows the correct format (e.g., **example@example.com**).

**Phone Number Validation**

The phone number field is validated using a simple regular expression to ensure that it consists of 10 digits without any special characters.

**Challenges Faced**

**Styling and Design**

One challenge encountered during the process was creating an aesthetically pleasing design for the contact form. Balancing visual appeal with usability required careful consideration of color schemes, fonts, and layout.

**Form Submission**

Implementing form submission logic, including handling errors and displaying success messages, required thorough testing to ensure smooth functionality across different browsers and devices.

**Responsive Design**

Ensuring that the contact form is responsive and displays correctly on various screen sizes posed a challenge. Utilizing CSS media queries and flexible layouts helped achieve a consistent user experience across devices.

**Code:-**

**HTML FILE**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Contact Form</title>

<link rel="stylesheet" href="sw.css">

</head>

<body>

<div class="container">

<h2>Contact Us</h2>

<form id="contactForm">

<input type="text" id="name" placeholder="Your Name" required>

<input type="email" id="email" placeholder="Your Email" required>

<input type="tel" id="phone" placeholder="Your Phone Number" required>

<input type="text" id="subject" placeholder="Subject" required>

<textarea id="message" placeholder="Your Message" required></textarea>

<button type="submit">Submit</button>

</form>

<div id="contactError" class="error-message"></div>

</div>

<div id="formData" class="container">

<h2>Form Data</h2>

<div id="formDataContent"></div>

<button id="clearDataBtn">Clear Data</button>

</div>

<script src="script1.js"></script>

</body>

</html>

**CSS File**

body {

  margin: 0;

  padding: 0;

  font-family: 'Arial', sans-serif;

  background-color: #f2f2f2;

}

.container {

  margin: 20px auto;

  padding: 20px;

  max-width: 500px;

  background: linear-gradient(135deg, #2980b9, #6ab0de);

  border-radius: 10px;

  box-shadow: 0 0 20px rgba(0, 0, 0, 0.3);

  color: #fff;

}

h2 {

  text-align: center;

  margin-bottom: 20px;

  font-family: 'Roboto', sans-serif;

}

input, textarea, button {

  width: 100%;

  padding: 15px;

  margin-bottom: 20px;

  border: none;

  border-radius: 5px;

  box-sizing: border-box;

  font-size: 16px;

  background-color: rgba(255, 255, 255, 0.7);

  color: #333;

}

textarea {

  resize: vertical;

}

button {

  background-color: #34495e;

  cursor: pointer;

  transition: background-color 0.3s;

}

button:hover {

  background-color: #2c3e50;

}

.error-message {

  color: #c0392b;

  font-size: 14px;

  margin-top: 5px;

}

**Java Script file**

document.getElementById('contactForm').addEventListener('submit', function(event) {

event.preventDefault();

const name = document.getElementById('name').value.trim();

const email = document.getElementById('email').value.trim();

const phone = document.getElementById('phone').value.trim();

const subject = document.getElementById('subject').value.trim();

const message = document.getElementById('message').value.trim();

const contactError = document.getElementById('contactError');

if (name === '' || email === '' || phone === '' || subject === '' || message === '') {

contactError.textContent = 'All fields are required';

return;

}

if (!isValidEmail(email)) {

contactError.textContent = 'Please enter a valid email address';

return;

}

if (!isValidPhone(phone)) {

contactError.textContent = 'Please enter a valid phone number';

return;

}

// Display form data

displayFormData(name, email, phone, subject, message);

contactError.textContent = ''; // Clear any previous error messages

alert('Form submitted successfully!');

});

document.getElementById('clearDataBtn').addEventListener('click', function() {

clearFormData();

});

function isValidEmail(email) {

const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

return emailRegex.test(email);

}

function isValidPhone(phone) {

const phoneRegex = /^\d{10}$/;

return phoneRegex.test(phone);

}

function displayFormData(name, email, phone, subject, message) {

const formDataContent = document.getElementById('formDataContent');

formDataContent.innerHTML = `

<p><strong>Name:</strong> ${name}</p>

<p><strong>Email:</strong> ${email}</p>

<p><strong>Phone:</strong> ${phone}</p>

<p><strong>Subject:</strong> ${subject}</p>

<p><strong>Message:</strong> ${message}</p>

`;

}

function clearFormData() {

const formDataContent = document.getElementById('formDataContent');

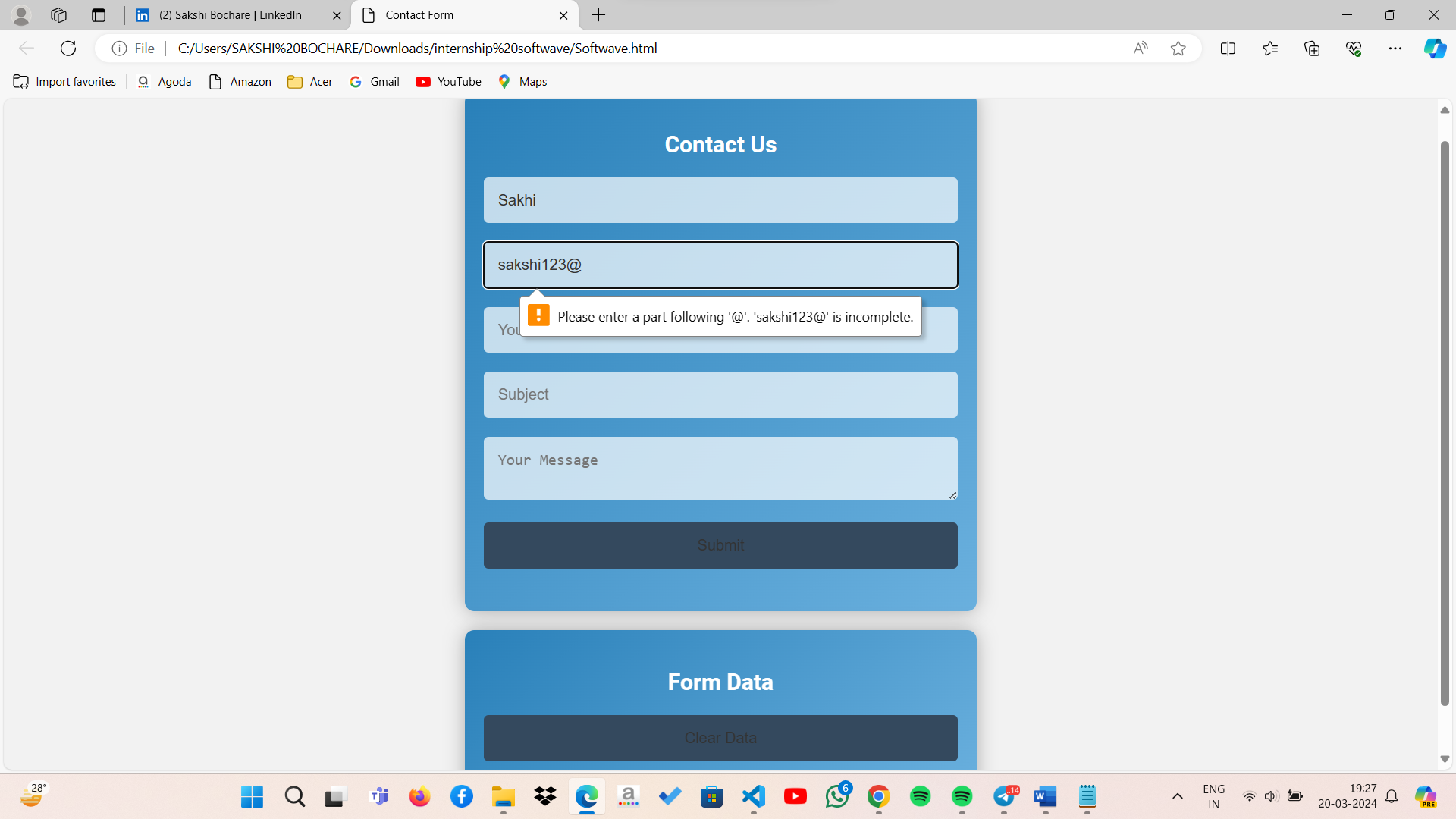
formDataContent.innerHTML = '';

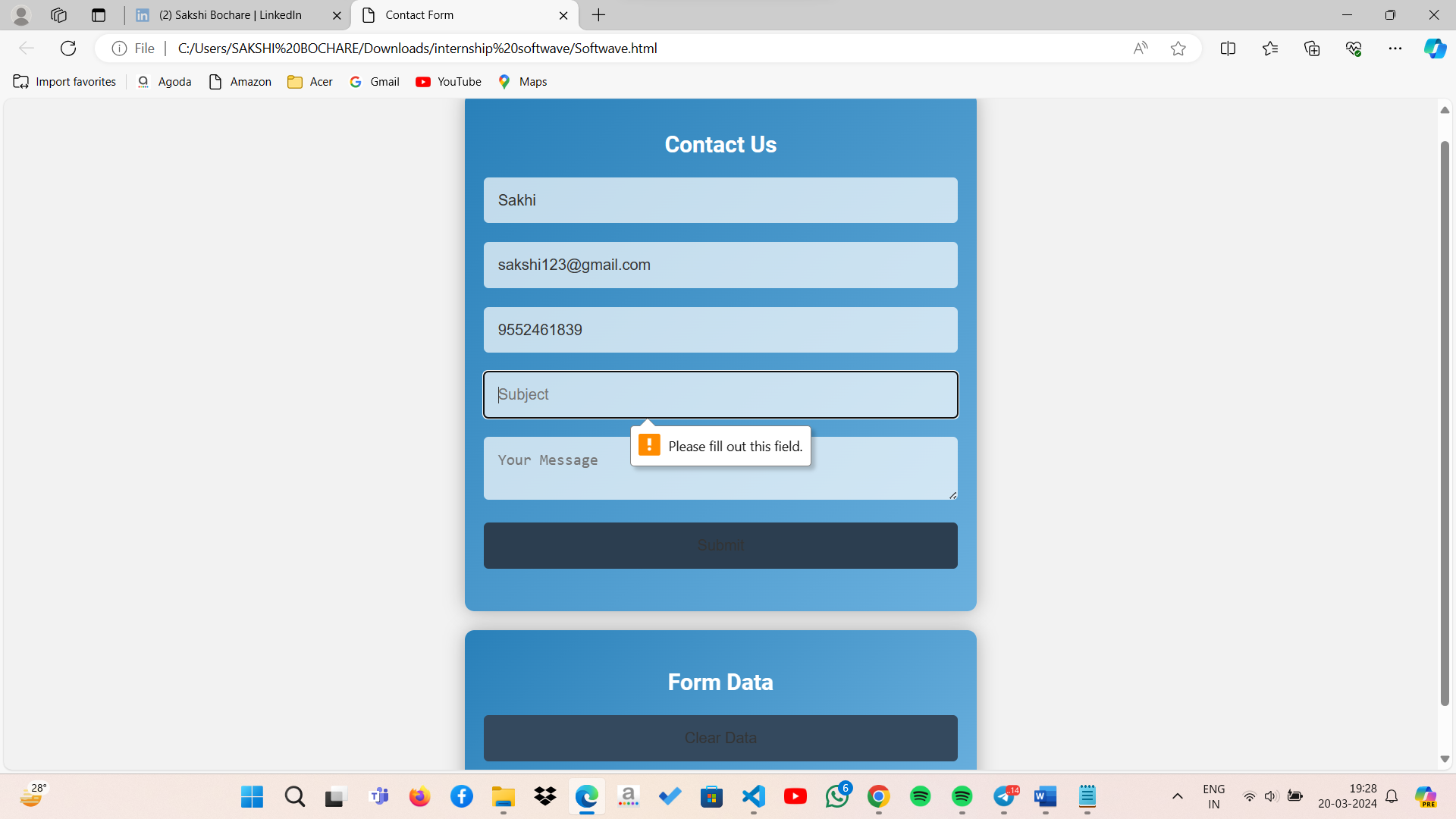
}

OUTPUT:-

A screenshot of a computer

Description automatically generated





A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated