EXPERIMENTS

1. Static : HTML

[index.html]

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Online Service</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <h2>Welcome to Online Services</h2>
    <h2>Our Services</h2>
    <p>We provide excellent online solutions for your needs.</p>


    <button id="showFormButton" onclick="showForm()">Register</button>

    <form id="contactForm" onsubmit="return validateForm()">
        <label for="name">Name:</label><br>
        <input type="text" id="name" name="name"><br><br>

        <label for="email">Email:</label><br>
        <input type="email" id="email" name="email"><br><br>

        <label for="phone">Phone Number:</label><br>
        <input type="tel" id="phone" name="phone"
placeholder="1234567890"><br><br>

        <label for="gender">Gender:</label><br>
        <select id="gender" name="gender">
            <option value="">Select Gender</option>
            <option value="Male">Male</option>
            <option value="Female">Female</option>
            <option value="Other">Other</option>
        </select><br><br>

        <input type="submit" value="Submit">
    </form>

    <div id="error-message"></div>
    <div id="success-message"></div>




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

```
</body>
<footer>
    <p>&copy; 2025 Online Services. All rights reserved.</p>
</footer>

</html>
```

Welcome to Online Services

Our Services

We provide excellent online solutions for your needs.

Register

Name:

Email:

Phone Number:

1234567890

Gender:
Select Gender

Submit

2. Static : CSS

[styles.css]

```css
body {
    font-family: Arial, sans-serif;
    padding: 20px;
}

#showFormButton {
    padding: 10px 15px;
    background-color: #007BFF;
    color: white;
    border: none;
    cursor: pointer;
    font-size: 16px;
}

#showFormButton:hover {
    background-color: #0056b3;
}

#contactForm {
    display: none;
    max-width: 300px;
    margin: auto;
}

input[type="text"], input[type="email"], input[type="tel"], select {
    width: 100%;
    padding: 8px;
    margin: 5px 0;
}

input[type="submit"] {
    padding: 10px 15px;
    background-color: #4CAF50;
    color: white;
    border: none;
    cursor: pointer;
}

input[type="submit"]:hover {
    background-color: #45a049;
}
```

```css
#error-message {
    color: red;
    margin-top: 20px;
}

#success-message {
    color: green;
    margin-top: 20px;
}
```

Welcome to Online Services

Our Services

We provide excellent online solutions for your needs.

Register

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3. Dynamic : JS

[index.html]

```html
<div class="time-container">
      <h1>Current Time</h1>
      <p id="time"></p>
   </div>
```

[script.js]

```javascript
function showForm() {
    let form = document.getElementById("contactForm");
    form.style.display = "block";

    let button = document.getElementById("showFormButton");
    button.style.display = "none";
}

function updateTime() {
    const now = new Date();
    const timeString = now.toLocaleTimeString();
    document.getElementById("time").textContent = timeString;
}


setInterval(updateTime, 1000);
updateTime();
```

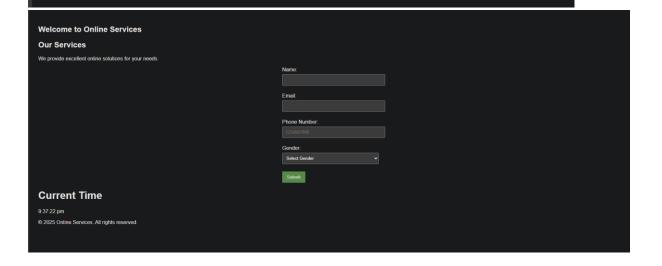# Welcome to Online Services

Our Services

We provide excellent online solutions for your needs.

Register

Current Time

9:37:03 pm

Welcome to Online Services

Our Services

We provide excellent online solutions for your needs.

Name:

Email:

Phone Number:
1234567890

Gender:
Select Gender

Submit

Current Time

9:37:22 pm

4. Dynamic : Form Validation

[script.js]

```javascript
function validateForm() {
    let name = document.getElementById("name").value;
    let email = document.getElementById("email").value;
    let phone = document.getElementById("phone").value;
    let gender = document.getElementById("gender").value;
    let errorMessage = document.getElementById("error-message");
    let successMessage = document.getElementById("success-message");

    errorMessage.innerHTML = "";
    successMessage.innerHTML = "";

    if (name === "" || email === "" || phone === "" || gender === "") {
        errorMessage.innerHTML = "All fields (Name, Email, Phone, Gender) are
required.";
        return false;
    }

    let emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;
    if (!email.match(emailPattern)) {
        errorMessage.innerHTML = "Please enter a valid email address.";
        return false;
    }

    let phonePattern = /^\d{10}$/;
    if (!phone.match(phonePattern)) {
        errorMessage.innerHTML = "Please enter a valid phone number (e.g.,
1234567890).";
        return false;
    }

    successMessage.innerHTML = "Form Submitted Successfully!";
    return false;
}
```

Welcome to Online Services

Our Services

We provide excellent online solutions for your needs.

Name:

David

Email:

david@gmail.com

Phone Number:

3456789012

Gender:

Male

Submit

Form Submitted Successfully!

Current Time

9:41:01 pm