

EXP 4: WEB FORM DEVELOPED USING SERVLET PROGRAM

AIM:

To create a web form that accepts a user's name and age, processes the data using JavaScript, and displays the submitted details with a stylish UI and animations.

ALGORITHM:

Step 1: Start

Step 2: Design the Web Form

- Create an HTML form with two input fields:
 - Name (Text Input)
 - Age (Number Input)
- Add a submit button.

Step 3: Apply CSS Styles

- Use **gradient background, smooth input effects, button hover effects, and animations.**
- Style the form, inputs, button, and result display area.

Step 4: Write JavaScript for Form Handling

- Attach an **event listener** to the form submit event. ○ Get user input values (`name` and `age`).
- Validate input fields (ensure **name is not empty** and **age is valid**).
- If validation fails, **show an alert**. ○ If valid, display the submitted details dynamically.

Step 5: Show Output Dynamically ○ Use JavaScript to update the UI and **display the submitted data in a formatted box.**

- Use **smooth animations** for better user experience.

Step 6: End

PROGRAM:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>User Form</title>

  <style>

    /* Import Google Font */

    @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap');

    /* Page Styling */    body {      font-family: 'Poppins', sans-serif;      background: linear-gradient(135deg, #ff7f50, #ffcc80); /* Orange gradient */      display: flex;      justify-content: center;      align-items: center;      height: 100vh;      margin: 0;      animation: fadeIn 1s ease-in-out;    }

    /* Form Container */

    .container {      background: white;      padding: 25px;      border-radius: 12px;      box-
```

```
shadow: 0px 5px 15px rgba(0, 0, 0, 0.2); width:
350px; text-align: center; transition: transform
0.3s ease-in-out;
```

```
}
```

```
.container:hover {
transform: scale(1.05);
```

```
}
```

```
h2 { color: #ff4d6d; font-
weight: 600; margin-bottom: 15px;
text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.2);
```

```
}
```

```
/* Input Fields */
```

```
label { font-weight:
```

```
600; color: #444;
```

```
display: block;
```

```
margin: 10px 0 5px;
```

```
}
```

```
input { width:
```

```
100%; padding: 10px;
```

```
border: 2px solid #ff4d6d;
```

```
border-radius: 8px;    font-size:
16px;    outline: none;    transition:
all 0.3s ease-in-out;
```

```
}
```

```
input:focus {    border-color: #ff165d;    box-
shadow: 0px 0px 10px rgba(255, 22, 93, 0.4);
}
```

```
/* Submit Button */    button {    background:
#ff4d6d;    color: white;    border: none;
padding: 12px;    cursor: pointer;    width: 100%;
font-size: 18px;    font-weight: 600;    border-
radius: 8px;    margin-top: 15px;    transition:
background 0.3s ease-in-out, transform 0.2s;
}
```

```
    button:hover {
background: #ff165d;
transform: scale(1.05);
    }    button:active {
transform: scale(0.95);
    }
```

```
/* Output Box */
```

```
.output {
```

```
        display: none;    margin-top: 20px;
padding: 15px;    border-radius: 8px;
background: #e0f7fa;    color: #00796b;
font-size: 16px;    text-align: left;    box-
shadow: 0px 4px 10px rgba(0, 0, 0, 0.1);
animation: slideIn 0.5s ease-in-out;
    }
```

```
    /* Animations */    @keyframes fadeIn {
from { opacity: 0; transform: translateY(-10px); }
to { opacity: 1; transform: translateY(0); }
    }
```

```
    @keyframes slideIn {    from { opacity: 0;
transform: translateY(20px); }    to { opacity: 1;
transform: translateY(0); }
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">

  <h2>Enter Your Details</h2>

  <form id="userForm">

    <label for="name">Name:</label>

    <input type="text" id="name" name="name" required placeholder="Enter your
name...">

    <label for="age">Age:</label>

    <input type="number" id="age" name="age" required placeholder="Enter your age...">

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

  </form>

  <div class="output" id="output"></div>

</div>

<script>    document.getElementById("userForm").addEventListener("submit",
function(event) {    event.preventDefault(); // Prevent form submission    let
name = document.getElementById("name").value.trim();    let age =
document.getElementById("age").value.trim();

    if (name === "" || age === "" || age <= 0) {
alert("⚠ Please enter a valid name and age.");
    return;
    }
  }
```

```
// Display the submitted data with an animation
let outputBox = document.getElementById("output");
outputBox.innerHTML = `
    <h3>☒ Submitted Details</h3>
    <p><b>Name:</b> ${name}</p>
    <p><b>Age:</b> ${age}</p>
`;
outputBox.style.display = "block";
});
</script>
</body>
</html>
```

OUTPUT:

Enter Your Details

Name:

Lithesh M

Age:

19

Submit

✓ Submitted Details

Name: Lithesh M

Age: 19

RESULT: The creation of web form using servlet program was executed successfully.