

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, #ff9a9e, #fad0c4);

display: flex;      justify-content: center;      alignitems:
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;          fontweight:
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;          fontsize:
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;      textalign:
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 =  
    `

### 📝 Submitted Details</h3> <p><b>Name:</b> ${name}</p> <p><b>Age:</b> ${age}</p>`; outputBox.style.display = "block"; });


```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT:

The image shows a web form interface. At the top, there is a title "Enter Your Details" in a large, bold, pink font. Below the title, there are two input fields. The first is labeled "Name:" and contains the text "Lena vishal". The second is labeled "Age:" and contains the number "18". Below these fields is a large, rounded, pink button labeled "Submit". At the bottom of the form, there is a light blue rounded rectangle containing a green checkmark icon, the text "Submitted Details" in bold green, and the submitted information: "Name: Lena vishal" and "Age: 18".

Enter Your Details

Name:

Lena vishal

Age:

18

Submit

✓ **Submitted Details**

Name: Lena vishal

Age: 18

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