

**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY &**  
**RESEARCH**

**Department of Computer Science & Engineering**

**Subject Name: Web Development Framework**

**Semester: III**

**Subject Code: ITEU204**

**Academic year: 2025-26 [ODD]**

## Practical File

No.	Aim of the Practical
3.	<p>Create a user registration page with frontend validation using HTML5 and JavaScript.</p> <p><b><u>PROGRAM CODE (Times New Roman:14) :</u></b></p> <p><b>USER REGISTRATION :</b></p> <pre> &lt;!DOCTYPE html&gt; &lt;html lang="en"&gt; &lt;head&gt;   &lt;meta charset="UTF-8" /&gt;   &lt;meta name="viewport" content="width=device-width, initial-scale=1.0" /&gt;   &lt;title&gt;USER REGISTRATION&lt;/title&gt;   &lt;style&gt;     html,     body {       margin: 0;       padding: 0;       font-family: "Segoe UI";       color: #ffffff;       background-color: #0b1a2b;       height: 100%;       display: flex;       flex-direction: column;     } </pre>

```
header {
  display: flex;
  align-items: center;
  justify-content: space-between;
  background-color: rgba(0, 0, 0, 0.85);
  padding: 10px 30px;
  border-bottom: 3px solid #ffd700;
}

header a img {
  height: 50px;
  display: block;
  transition: transform 0.3s ease;
}

header h1 {
  margin: 0;
  font-size: 2em;
  color: #ffd700;
  text-shadow: 2px 2px 5px #000;
  flex-grow: 1;
  padding-left: 15px;
}

nav {
  display: flex;
  gap: 15px;
  flex-wrap: wrap;
}

nav a {
  color: #ffffff;
  text-decoration: none;
  font-weight: 600;
  font-size: 0.95em;
  padding: 6px 10px;
  border-radius: 5px;
  transition: background-color 0.3s ease, color 0.3s ease;
}
```

```
nav a:hover {
  background-color: #ffd700;
  color: #0b1a2b;
}

main {
  flex: 1;
  max-width: 500px;
  margin: 50px auto;
  padding: 30px;
  background-color: rgba(0, 0, 0, 0.65);
  border-radius: 12px;
  box-shadow: 0 0 15px rgba(0, 0, 0, 0.5);
  text-align: center;
}

main h2 {
  color: #ffd700;
  text-shadow: 1px 1px 3px #000;
  margin-bottom: 10px;
}

input[type="text"],
input[type="password"] {
  width: 80%;
  padding: 12px;
  font-size: 1em;
  border: none;
  border-radius: 8px;
  margin-bottom: 20px;
  background-color: #fff;
  color: #000;
  box-shadow: 0 0 5px #ffd700;
  transition: box-shadow 0.3s ease, transform 0.2s ease;
}

input[type="text"]:hover,
input[type="password"]:hover {
  box-shadow: 0 0 10px #fffacd;
}
```

```
        transform: scale(1.03);
    }

    input[type="submit"] {
        background-color: #ffd700;
        color: #000;
        padding: 12px 25px;
        border: none;
        border-radius: 10px;
        font-size: 1.2em;
        font-weight: bold;
        cursor: pointer;
        transition: background-color 0.3s ease, transform 0.3s ease,
            box-shadow 0.3s ease;
    }

    input[type="submit"]:hover {
        background-color: #fffacd;
        transform: scale(1.08);
        box-shadow: 0 0 15px #ffd700;
    }

    footer {
        text-align: center;
        font-size: 0.85em;
        padding: 20px;
        background-color: rgba(0, 0, 0, 0.85);
        color: #bbb;
        border-top: 2px solid #ffd700;
    }

    #popupModal {
        display: none;
        position: fixed;
        top: 0;
        left: 0;
        width: 100vw;
        height: 100vh;
        background: rgba(0, 0, 0, 0.6);
        z-index: 9999;
```

```
align-items: center;
justify-content: center;
}

#popupModal .popup-content {
background: #fff;
color: #222;
padding: 30px 40px;
border-radius: 16px;
box-shadow: 0 0 20px #ffd700;
text-align: center;
min-width: 260px;
max-width: 90vw;
}

#popupModal button {
background: #ffd700;
color: #222;
border: none;
border-radius: 8px;
padding: 10px 24px;
font-size: 1em;
font-weight: bold;
cursor: pointer;
}
</style>
</head>
<body>
<header>
<a href="Home.html">

</a>
<nav>
<a href="Home.html">HOME</a>
<a href="USER REGISTRATION.html">USER REGISTRATION</a>
<a href="FACULTY DETAILS.html">FACULTY DETAILS</a>
<a href="PLACEMENT.HTML">PLACEMENT</a>
<a href="CAREER.HTML">CAREER</a>
<a href="EVENTS.HTML">EVENTS</a>
<a href="NEP 2020.HTML">NEP 2020</a>
```

```

    <a href="LEADERBOARD.HTML">LEADERBOARD</a>
    <a href="ADMISSION.HTML">ADMISSION</a>
    <a href="ABOUT US.HTML">ABOUT US</a>
    <a href="FAQs.html">FAQs</a>
</nav>
</header>

<main>
    <h2>Welcome to Login Portal</h2>
    <form
        onsubmit="return validateForm()"
        action="THANKYOUFOR USERREGISTRATION.HTML"
    >
        <h2>Username</h2>
        <input type="text" placeholder="Enter Your Username" id="n1" />
        <h2>Password</h2>
        <input type="password" placeholder="Enter Your Password" id="n2" />

        <h2>Confirm Password</h2>
        <input type="password" placeholder="Confirm Your Password" id="n3" />

        <input type="submit" value="Submit Your Data" />
    </form>
</main>

<footer>
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    India Ltd. All rights reserved.
</footer>

<div id="popupModal">
    <div class="popup-content">
        <span id="popupMessage" style="font-size: 1.15em"></span><br /><br />
        <button onclick="closePopup()">OK</button>
    </div>
</div>

<script>
    function showPopup(message) {
        document.getElementById("popupMessage").textContent = message;

```

```
        document.getElementById("popupModal").style.display = "flex";
    }

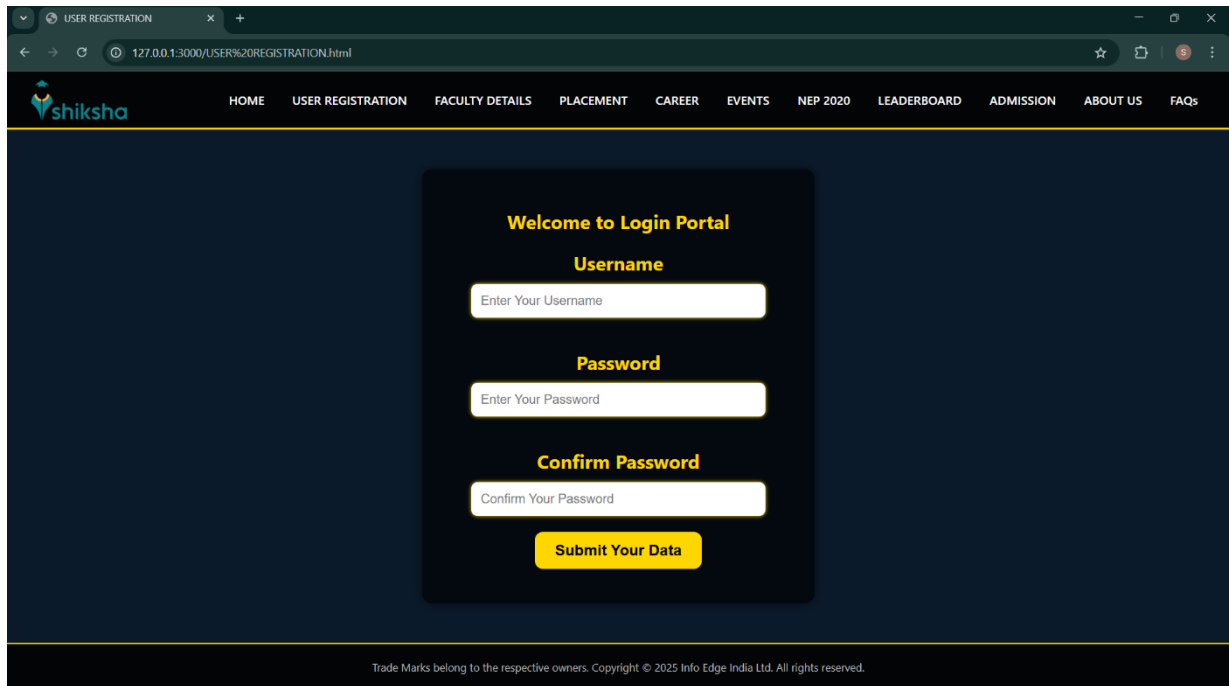
    function closePopup() {
        document.getElementById("popupModal").style.display = "none";
    }

    function validateForm() {
        const username = document.getElementById("n1").value.trim();
        const password = document.getElementById("n2").value;
        const confirmPassword = document.getElementById("n3").value;

        if (!username || !password || !confirmPassword) {
            showPopup("All fields are mandatory!");
            return false;
        }

        if (password !== confirmPassword) {
            showPopup("Passwords do not match!");
            return false;
        }

        return true;
    }
</script>
</body>
</html>
```

**OUTPUT:****USER REGISTRATION :**

The screenshot displays a web browser window with the address bar showing '127.0.0.1:3000/USER%20REGISTRATION.html'. The page features a dark blue header with the 'shiksha' logo and a navigation menu including HOME, USER REGISTRATION, FACULTY DETAILS, PLACEMENT, CAREER, EVENTS, NEP 2020, LEADERBOARD, ADMISSION, ABOUT US, and FAQs. The main content area is a dark blue rectangle containing a white registration form. The form is titled 'Welcome to Login Portal' in yellow. It includes three input fields: 'Username' (placeholder: 'Enter Your Username'), 'Password' (placeholder: 'Enter Your Password'), and 'Confirm Password' (placeholder: 'Confirm Your Password'). A yellow 'Submit Your Data' button is positioned below the input fields. At the bottom of the page, a small footer reads: 'Trade Marks belong to the respective owners. Copyright © 2025 Info Edge India Ltd. All rights reserved.'

**CONCLUSION:**

This problem definition challenges students to implement a complete, user-friendly registration form with proper HTML5 structure and JavaScript-based validation logic. It targets form design best practices, client-side validation techniques, and user feedback handling—core skills for any frontend developer.