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## **Phase 5 : PROJECT DEMONSTRATION & DOCUMENTATION**

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### **FINAL DEMO WALKTHROUGH**

#### **Project Title:**

**Responsive User Login Page with Authentication, Password Strength Meter, and UI Enhancements** **Functionality:**

- Responsive and animated login UI
- Validates user email and password
- Displays real-time password strength
- Shows error/success messages via toast notifications
- Basic authentication using hardcoded valid user list
- Input interaction highlights
- UI includes forgot password and social login placeholders
- Secure login notice block
- Styled using custom CSS and FontAwesome icons **Demo**

#### **Walkthrough:**

- 1. User enters name, email, password, confirm password, and phone number.**
- 2. On submitting:**
  - Validation checks are run (empty fields, email format, user match)

- On valid login, success toast and welcome alert shown ◦ On failure, error toast and shake animation triggered
3. Password strength updates in real-time while typing
  4. Clicking “Forgot Password” validates email and shows toast
  5. “Sign up” shows placeholder toast
  6. Social login icons hover with effects (non-functional, placeholders)

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## PROJECT REPORT

### Project Objective:

To design an aesthetically pleasing and functionally interactive login system that incorporates frontend validation, user feedback mechanisms, and future extensibility (e.g., backend integration or third-party auth).

### Technologies Used:

- HTML5 – Page structure
  - CSS3 – Styling and animations
  - JavaScript (Vanilla) – Form handling, validation, and interactivity
  - Font Awesome – Icons for UI
- Features Implemented:**
- Email and password validation
  - Password strength meter
  - Toast notification system
  - CSS animations: shake, fadeIn
  - Responsive layout for mobile devices
  - Gradient backgrounds and visual effects

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### CODE :

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initialscale=1.0">
    <title>USERS LOGIN PAGE</title>
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/6.4.0/c
ss/all.min.css">
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        }

body {
    background: linear-gradient(white,#555,black);
    display: flex;
    justify-content: center;
    align-items: center;
    minheight:
100vh;
    padding:
20px;
    background-size: 300% 300%;
    animation: gradientBG 0.2s ease infinite;
}

@keyframes gradientBG {
```

```
0% { background-position: 0% 50%; }
50% { background-position: 100% 50%; }
100% { background-position: 0% 50%; }

}

.container {
    width: 100%; max-width: 500px;
    background: linear-gradient(black,#555,white);
    background-size: cover;
    border-radius: 20px; overflow: hidden;
    box-shadow: 0 15px 35px rgba(37, 151, 56, 0.3);

    padding: 40px;
}

.logo {
    text-align: center;
    margin-bottom: 25px;
}

.logo i {
    font-size: 80px;
    background: linear-gradient(135deg, #fd0303, #06e912);
    color: rgb(235, 236, 240);
    width: 80px;
    height: 80px;
    border-radius: 50%;
    display: flex;
    align-items: center;
    justify-content: center;
    margin: 0 auto 15px;
}
```

```
.logo h1 {    font-size:  
  30px;    font-weight:  
  600;    font-style:  
  italic;  
  color: #f1ebeb;  
}  
  
.login-form h2 {      font-  
style: oblique;          color:  
#e2d7da;      margin-top:  
40px;      margin-bottom:  
25px;      font-size:  
20px;  
  text-align: center;  
}  
  
.input-group {      margin-bottom:  
20px;  
  position: relative;  
}  
  
.input-group label {  
display: block;      margin-bottom:  
8px;  color: #fcf9f9;  font-weight:  
500;  
}  
.input-group input { width:  
100%;  padding: 15px 15px
```

```
    15px 45px; border: 2px solid  
    #ddd;  
    border-radius: 10px;   font-size:  
    16px;  
    transition: all 0.3s ease;  
}  
  
.input-group input:focus {      border-color:  
#284bd6;  
    box-shadow: 0 0 10px rgba(26, 42, 108, 0.3);      outline:  
none;  
}  
  
.input-group i {      position:  
absolute;  
    left: 15px;  
top: 42px;  
    color: #141313;  
}  
  
.remember-forgot {  
display: flex;  
    justify-content: space-between;  
    align-items: center;  margin-bottom:  
20px;  
    font-size: 14px;  
}
```

```
.remember-forgot label {  
    display: flex; align-items:  
    center;  
    color: #f5ecec;  
}  
  
.remember-forgot input { margin-  
right: 8px;  
}  
  
.remember-forgot a {  
color: #1a2a6c; text-decoration:  
none;  
    transition: color 0.3s ease;  
}  
  
.remember-forgot a:hover {  
    color: #b21f1f;  
    text-decoration: underline;  
}  
  
.btn { width:  
100%;  
padding: 15px; background: linear-  
gradient(135deg, #ff0d05,  
#39f709); border: none; border-radius: 10px; color:  
rgba(19, 18, 18, 0.719); font-size: 16px; font-weight: 600;  
cursor: pointer; transition: transform 0.3s ease, box-shadow  
0.3s ease;
```

```
    box-shadow: 0 5px 15px rgba(240, 241, 245, 0.4);
}
.btn:hover {      transform:
translateY(-3px);
    box-shadow: 0 8px 20px rgba(26, 42, 108, 0.6);
}

.social-login {      margin-
top: 30px;
    text-align: center;
}
.social-login p {      marginbottom:
15px;
    color: #f8f5f5;
    position: relative;
}
.social-login p::before,
.social-login p::after {      content:
""";
position: absolute;
    top: 50%;
    width: 30%;
    height: 1px;
    background: #ddd;
}
.social-login p::before {
```

```
    left: 0;  
}  
.social-login p::after {  
    right: 0;  
}
```

```
.social-icons {  
display: flex;  
justifycontent: center;  
gap:  
15px;  
}
```

```
.social-icons a {  
display: flex; alignitems:  
center; justifycontent:  
center; width: 50px;  
height: 50px; border-  
radius: 50%;  
background: #f5f5f5;  
color: #131212; fontsize:  
20px; transition: all 0.3s  
ease; border: 1px solid  
#ddd;  
}
```

```
.social-icons a:hover { transform:  
translateY(-3px);
```

```
    box-shadow: 0 5px 10px rgba(0,  
    0, 0, 0.1); }
```

```
.social-icons a:nth-child(1):hover {  
    background: #3002d3;  
    color: white;  
}
```

```
.social-icons a:nth-child(2):hover {  
    background: #1db6f2;  
color: white;  
}
```

```
.social-icons a:nth-child(3):hover {  
background: #f31905;  
color: white;  
}
```

```
.signup-link { margin-  
top: 30px; text-align: center;  
color: #0fdad5;  
}
```

```
.signup-link a { color:  
#f8f9fc; text-decoration:  
none; font-weight: 600;  
transition:  
color 0.3s ease;  
}
```

```
.signup-link a:hover { color:  
#fd0a0a; text-decoration:  
underline;  
}  
  
@keyframes fadeIn {  
from {  
opacity: 0;  
transform: translateY(20px);  
}  
to {  
opacity: 1;  
transform: translateY(0);  
}  
}  
  
@keyframes shake {  
0%, 100% { transform: translateX(0); }  
10%, 30%, 50%, 70%, 90% { transform: translateX(-10px); }  
20%, 40%, 60%, 80% { transform: translateX(10px); }  
}  
  
.toast {  
position: fixed;  
top: 20px; right: 20px; padding: 15px 25px;  
border-radius: 10px; box-shadow: 0 5px  
15px rgba(0, 0, 0, 0.2); display: flex; align-  
items: center; transform:  
translateX(150%);  
transition: transform 0.5s ease;  
z-index: 1000;
```

```
    color: white;  
}  
  
.toast.show {  
transform: translateX(0);  
}  
  
.toast.success {  
background: #2e302e;  
}  
  
.toast.error {  
background: #f8f5f4;  
}  
  
.toast i { margin-right:  
10px;  
font-size: 20px;  
}  
  
.security-notice { background:  
#f8f9fa; border-left: 4px  
solid #08f308; padding:  
15px; margin-top: 25px;  
border-radius: 5px; font-size:  
14px; color: #555;  
}
```

```
.security-notice i {  
color: #1a2a6c; margin-right:  
8px;  
}  
  
.password-strength {  
height: 5px; margin-top:  
8px; border-radius: 5px;  
background: #eee;  
overflow: hidden;  
}  
  
.strength-meter { height:  
100%;  
width: 0;  
transition: width 0.3s ease, background 0.3s ease;  
}  
  
@media (max-width: 480px) {  
.container {  
padding: 20px;  
}  
.logo h1 { font-size:  
24px;  
}  
  
.login-form h2 {  
font-size: 22px;  
}
```

```
.remember-forgot { flex-direction:  
  column; align-items: flex-start;  
  gap: 10px;  
}  
}  
</style>  
</head>  
<body>  
  <div class="container">  
    <div class="logo">  
      <i class="fas fa-user"></i>  
      <h1>User Registration</h1>  
    </div>  
  
    <div class="login-form">  
      <h2>LOGIN AUTHENTICATION</h2>  
      <form id="loginForm">  
  
        <div class="input-group">  
          <label for="Name">Full Name</label>  
          <input type="Name" id="Name" placeholder="Enter  
your full name">  
          <i class="fas fa-user"></i>  
        </div>  
  
        <div class="input-group">  
          <label for="email">Email Address</label>
```

```
<input type="email" id="email" placeholder="Enter your  
email" required>  
    <i class="fas fa-envelope"></i>  
</div>  
  
<div class="input-group">  
    <label for="password">Password</label>  
<input type="password" id="password" placeholder="Enter  
your password" required>  
    <i class="fas fa-lock"></i>  
    <div class="password-strength">  
        <div class="strength-meter"  
id="strengthMeter"></div>  
    </div>  
</div>  
  
<div class="input-group">  
    <label for="Confirm Password">confirm  
password</label>  
    <input type="Confirm password" id="Confirm  
Password" placeholder="Enter your confirm password" required>  
    <i class="fas fa-lock"></i>  
</div>  
  
<div class="input-group">  
    <label for="Phonr number">Phone number</label>  
    <input type="Phone number" id="Phone Number"  
placeholder="Enter your phone number">          <i class="fas  
fa-phone"></i>
```

```
</div>

<div class="remember-forgot">
  <label>
    <input type="checkbox" id="remember"> Remember
    me
  </label>
  <a href="#" id="forgotPassword">Forgot password?</a>
</div>

<button type="submit" class="btn">Sign In</button>
</form>

<div class="security-notice">
  <i class="fas fa-shield-alt"></i>
  This is a secure login system. Your credentials are
  protected.
</div>

<div class="social-login">
  <p>Or sign in with</p>
  <div class="social-icons">
    <a href="#"><i class="fab fa-facebook-f"></i></a>
    <a href="#"><i class="fab fa-twitter"></i></a>
    <a href="#"><i class="fab fa-google"></i></a>
  </div>
</div>

<div class="signup-link">
```

Don't have an account? <a href="#" id="signUp">Sign up now</a>

```
</div>
</div>
</div>
```

```
<div class="toast" id="toast">
  <i class="fas fa-check-circle"></i>
  <span id="toastMessage">Login successful!
  Redirecting...</span>
</div>
```

```
<script>
```

```
const validUsers = [
  { email: "user@example.com", password: "Password123" },
  { email: "test@domain.com", password: "SecurePass456" },
{ email: "john.doe@email.com", password: "John123!" }
];
```

```
document.getElementById('loginForm').addEventListener('submit', function(e) {
```

```
  e.preventDefault();
```

```
  const email = document.getElementById('email').value;
  const password =
  document.getElementById('password').value; const
  remember =
  document.getElementById('remember').checked;
```

```
if (!email || !password) {
    showToast('Please fill in all fields', 'error');
    document.getElementById('loginForm').style.animation =
'shoot 0.5s';
    setTimeout(() => {
        document.getElementById('loginForm').style.animation =
"";
    }, 500);
return;
}

const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
if (!emailPattern.test(email)) {
    showToast('Please enter a valid email address', 'error');
return;
}

const user = validUsers.find(u => u.email === email &&
u.password === password);
if
(user) {
    showToast('Login successful! Redirecting to secure area...', 'success');
}
```

```
setTimeout(() => {
    alert('Login successful! Welcome to your secure area.');
    document.getElementById('loginForm').reset();
}, 2000);
} else {
    showToast('Invalid email or password. Please try again.',
    'error');
    document.getElementById('loginForm').style.animation =
    'shake 0.5s';
    setTimeout(() => {
        document.getElementById('loginForm').style.animation =
        '';
    }, 500);
}
});

document.getElementById('password').addEventListener('input', function() {
    const password = this.value;
    const strengthMeter =
    document.getElementById('strengthMeter');    let
    strength = 0;

    if (password.length > 0) {
```

```
    if (password.length > 7) strength += 25;           if
([A-Z]/.test(password)) strength += 25;           if
([09]/.test(password)) strength += 25;           if ([^A-
Zaz0-9]/.test(password)) strength += 25;

    strengthMeter.style.width = strength + '%';

// 

if (strength < 50) {
    strengthMeter.style.background = '#f44336';
} else if (strength < 75) {
    strengthMeter.style.background = '#ff9800';
} else {
    strengthMeter.style.background = '#4caf50';
}
} else {
    strengthMeter.style.width = '0';
}
});

document.getElementById('forgotPassword').addEventListener
('click', function(e) {
    e.preventDefault();
    const email = document.getElementById('email').value;

    if (!email) {      showToast('Please enter your email
first', 'error');
        return;
    }
})
```

```
    showToast('Password reset instructions sent to your email',  
'success');  
});
```

```
document.getElementById('signUp').addEventListener('click',  
function(e) {  
    e.preventDefault();  
    showToast('Registration feature coming soon!', 'error');  
});
```

```
function showToast(message, type) {  
    const toast = document.getElementById('toast');           const  
    toastMessage =  
    document.getElementById('toastMessage');  
  
    toastMessage.textContent = message;  
    toast.className = 'toast ' + type;  
    toast.classList.add('show');  
  
    setTimeout(() => {  
        toast.classList.remove('show');  
    }, 3000);  
}
```

```
const inputs = document.querySelectorAll('input');
```

```
inputs.forEach(input => { input.addEventListener('focus', () => {
    input.parentElement.querySelector('i').style.color
= '#1a2a6c';
});
input.addEventListener('blur', () => {
    input.parentElement.querySelector('i').style.color = '#777';
});
});
</script>
</body>
</html>
```

## **SCREENSHOTS / API DOCUMENTATION Screenshots:**

- 1. Login Form (Desktop View)**
- 2. Login Form (Mobile View)**
- 3.Password Strength Meter (Weak, Moderate, Strong)**
- 4.Toast Notifications (Success & Error)**
- 5.Shake Animation on Error**
- 6.Social Login Section**
- 7.Security Notice Block**



## User Registration

### LOGIN AUTHENTICATION

Full Name



Enter your full name

Email Address



Enter your email

Password



Enter your password

confirm password



Enter your confirm password

Phone number

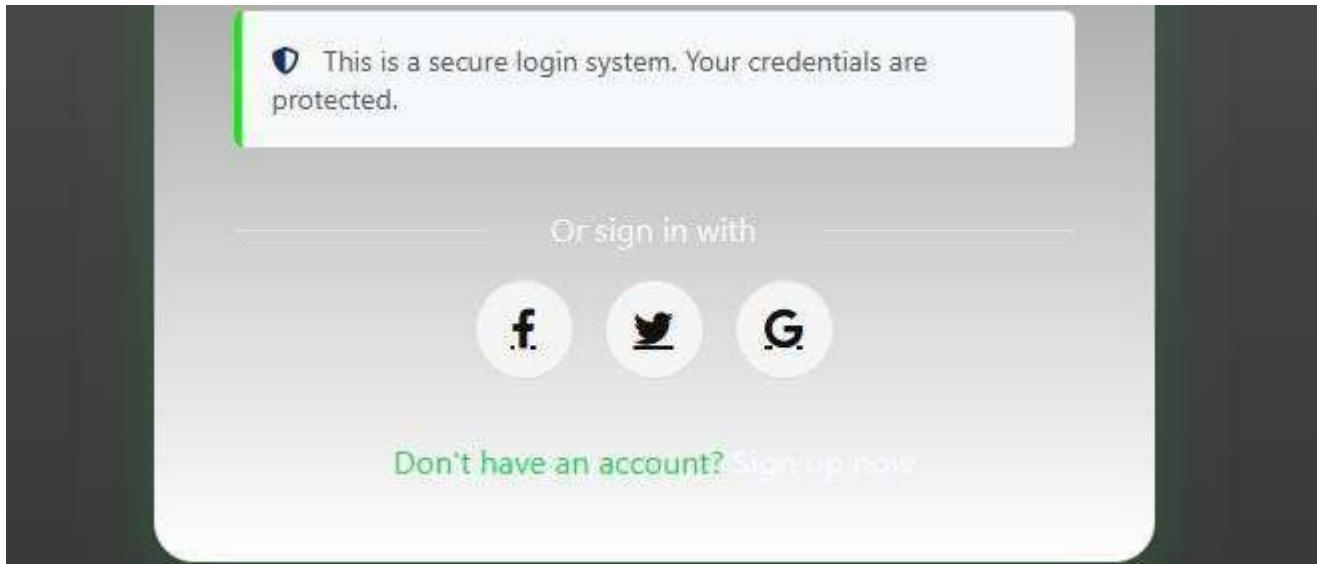


Enter your phone number

Remember me

[Forgot password?](#)

**Sign In**



### API (Simulated):

This project uses a simulated local array (`validUsers`) to act as a backend login validation system.

```
const validUsers = [  
  { email: "user@example.com", password: "Password123" },  
  { email: "test@domain.com", password: "SecurePass456" },  
  { email: "john.doe@email.com", password: "John123!" }  
];
```

Example Check: `const user = validUsers.find(u => u.email === email && u.password === password);`

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### CHALLENGES & SOLUTIONS

Challenge	Solution Implemented
Real-time password strength evaluation	Implemented strength rules and dynamic CSS width/background updates Used toast notifications and shake
UI feedback for errors animation on error	
Validating fake backend	Simulated with hardcoded user list
login	

<b>Challenge</b>	<b>Solution Implemented</b>
<b>Responsive design for mobile</b>	<b>Used media queries and flex layout</b>
<b>Accessibility</b>	<b>Labels for each input, placeholders, color contrasts</b>

## **GITHUB README & SETUP GUIDE**

### **README.md**

#### **Responsive User Login Page :**

**A stylish and responsive login page built with HTML, CSS, and JavaScript. Features include password strength meter, client-side validation, toast notifications, and mobile responsiveness.**

#### **Features:**

- Email & password validation
- Password strength meter
- Responsive design
- Toast notifications
- Forgot password and sign up placeholders
- Animated icons and effects

#### **Technologies:**

- HTML5
- CSS3 (Flexbox, Gradients, Animations)
- JavaScript (Vanilla)
- FontAwesome

## **Setup & Usage**

1. Clone this repo: ```bash git clone https://github.com/yourusername/login-page.git cd login-page`
2. Open index.html in any browser
3. Try logging in with:
  - `user@example.com / Password123`
  - `test@domain.com / SecurePass456`
  - `john.doe@email.com / John123!`

## **Deployment:**

Live site link : [USERS LOGIN PAGE](#)

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**\*\*FINAL SUBMISSION\*\***

## **GitHub Repository:**

**GITHUB LINK :** [brain7-jpg/project](#)

## **Checklist for Submission**

Item	Status
Project Code	<input checked="" type="checkbox"/> Completed
HTML/CSS/Javascript Validated	<input checked="" type="checkbox"/> Yes
Screenshots	<input type="checkbox"/> (Add manually)
README file	<input checked="" type="checkbox"/> Included
GitHub Repo	<input type="checkbox"/> (Upload project)
Live Link	<input type="checkbox"/> (Deploy project)

| Demo walkthrough |  Documented |

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