PSG COLLEGE OF TECHNOLOGY

DEPARTMENT OF BE COMPUTER SCIENCE ENGINEERING

23Z311- APPLICATION DEVELOPMENT LABORATORY

TEAM NO: 3

TEAM MEMBERS:
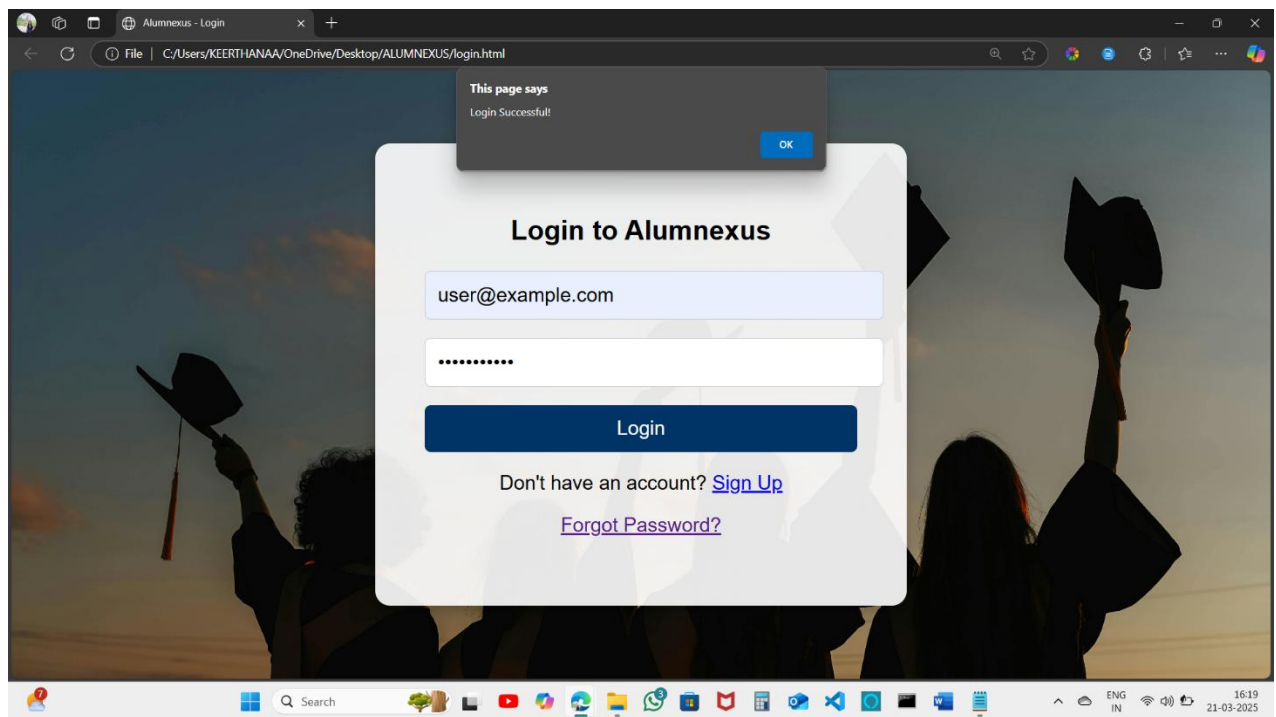
KANIKA R 23Z334

KEERTHANAA P 23Z335

MEENALOSHINI V 23Z343

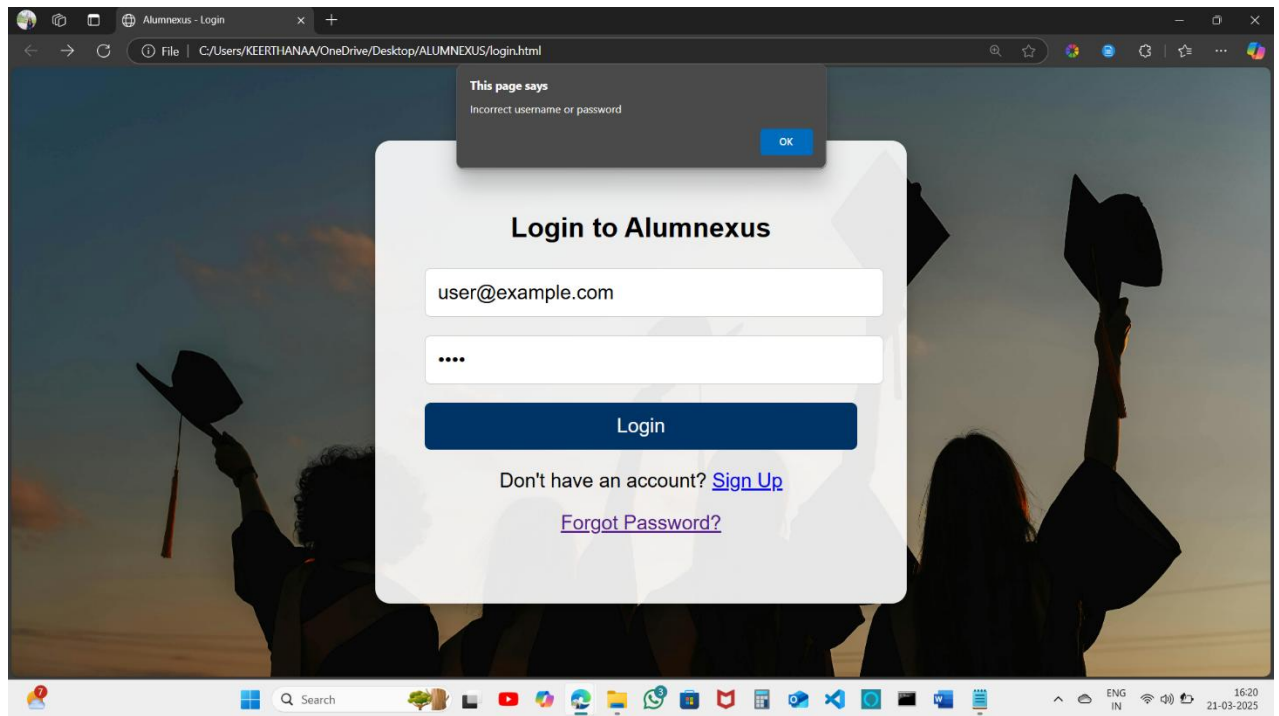| #	TS1
Title	Verify "User Login" functionality
Description	To test the different scenarios that might arise while a user is registering and authenticating.

#	Summary	Execution Steps	Expected Output	Actual Output
TC1	Verify successful login with valid credentials	Navigate to 'Login Page', Enter valid email and password, Click 'Login'	User is successfully logged in and redirected to their respective dashboard	Login Successful
TC2	Verify login failure with incorrect password	Navigate to 'Login Page', Enter valid email and incorrect password, Click 'Login'	System displays "Incorrect username or password" message	Incorrect username or password
TC3	Verify login failure with unregistere d email	Navigate to 'Login Page', Enter an unregistered email and password, Click 'Login'	System displays "Incorrect username or password" message	Incorrect username or password
TC4	Verify account lock after multiple failed attempts	Attempt to log in with incorrect credentials three times	System displays "Your account has been locked! Please contact support."	Your account has been locked! Please contact Support.

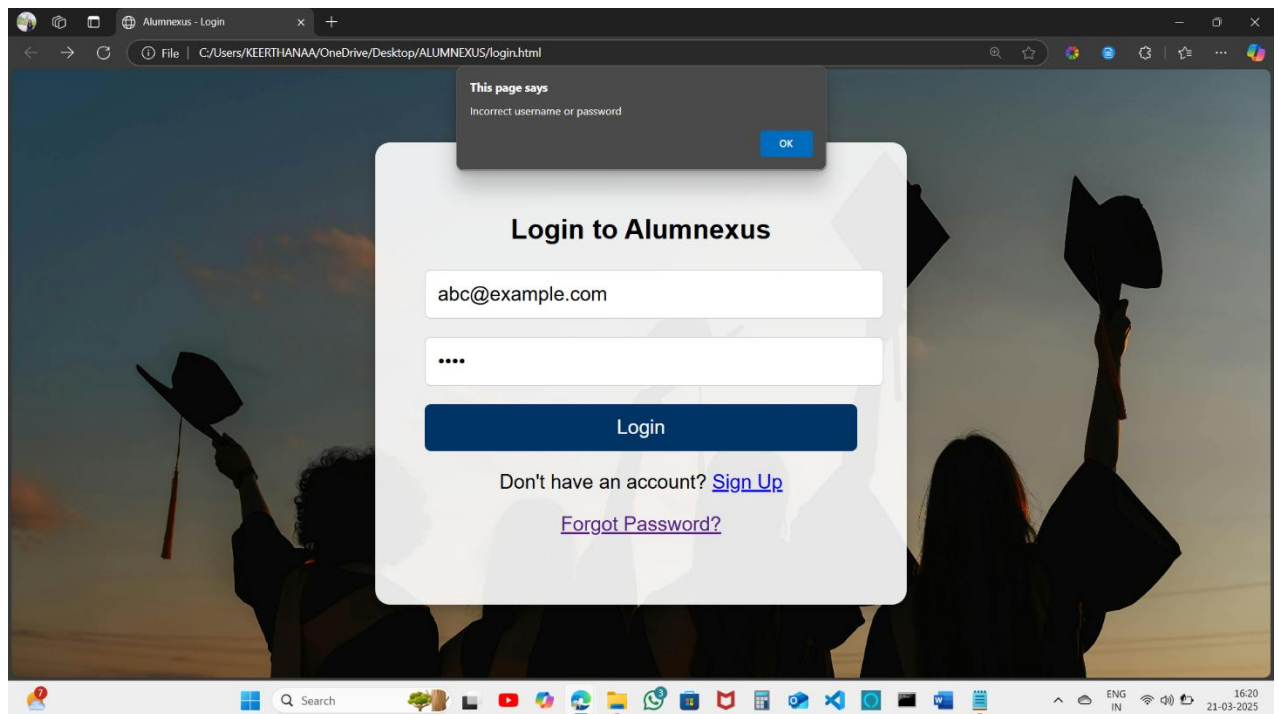|				
TC5	Verify password reset function alit y	Click "Forgot Password", Enter registered email, Click "Send Reset Link"	System sends password reset email	Your Password has been successfully reset.
TC6	Verify that inactive accounts cannot log in	Enter credentials of an inactive account, Click 'Login'	System displays "Your account is suspended. Please contact support."	Your account has been locked! Please contact Support.

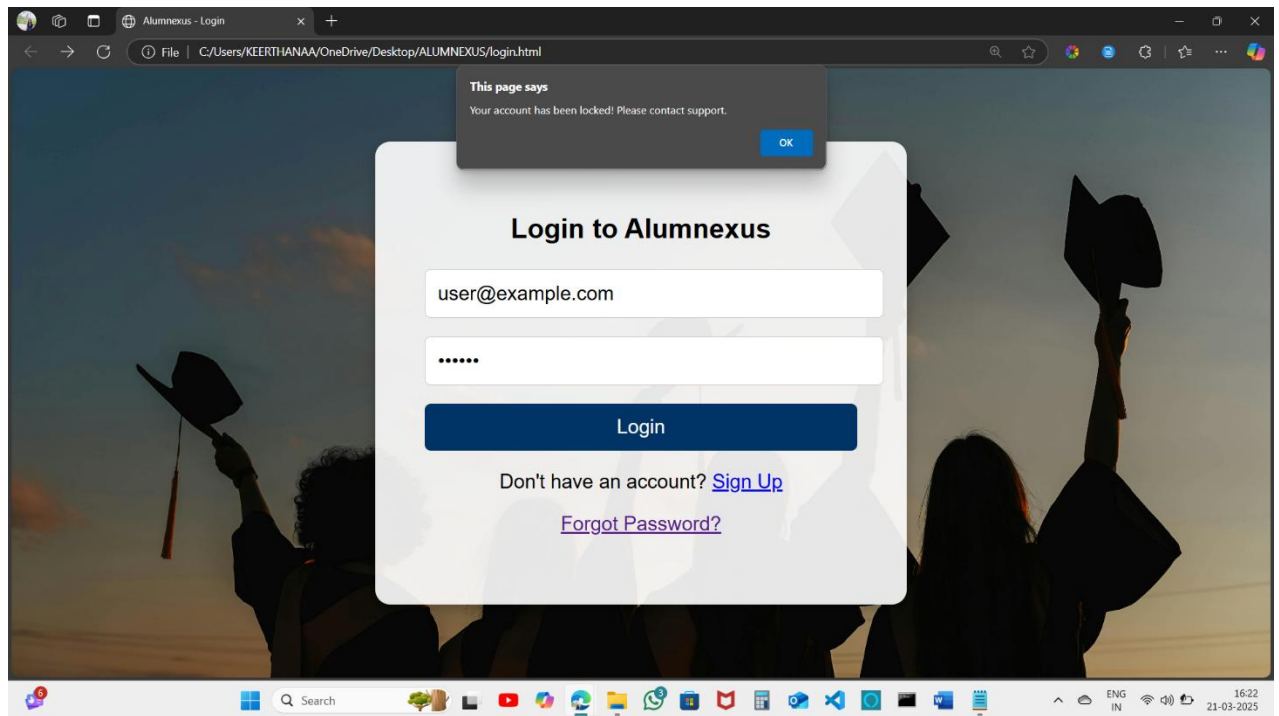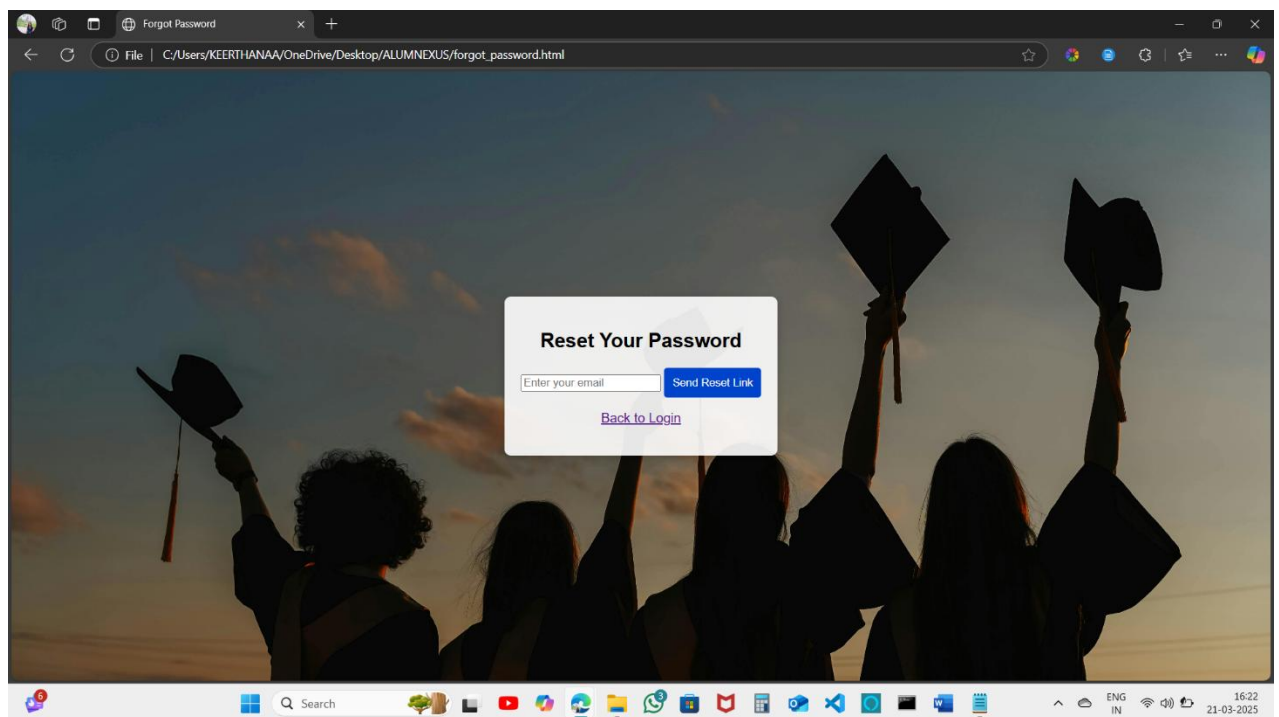TC_1:

TC_2:

TC_3:

TC_4:

TC_5:

A password reset link has been sent to your email. Please check!

OK

This page says

Your password has been successfully reset!

OK

Enter New Password

Reset Password

Back to Login

TC_6:

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Forgot Password</title>
    <link rel="stylesheet" href="forgot_password_style.css">
</head>
<body class="login-page">
    <div class="login-container">
        <h2>Reset Your Password</h2>
        <form id="forgotPasswordForm">
            <input type="email" id="resetEmail" placeholder="Enter your email" required>
            <button type="submit">Send Reset Link</button>
        </form>
        <p><a href="login.html">Back to Login</a></p>
    </div>

    <!-- POPUP MODAL (Initially Hidden) -->
    <div id="popupModal" class="modal">
        <div class="modal-content">
            <p>A password reset link has been sent to your email. Please check!</p>
            <button id="closePopup">OK</button>
```
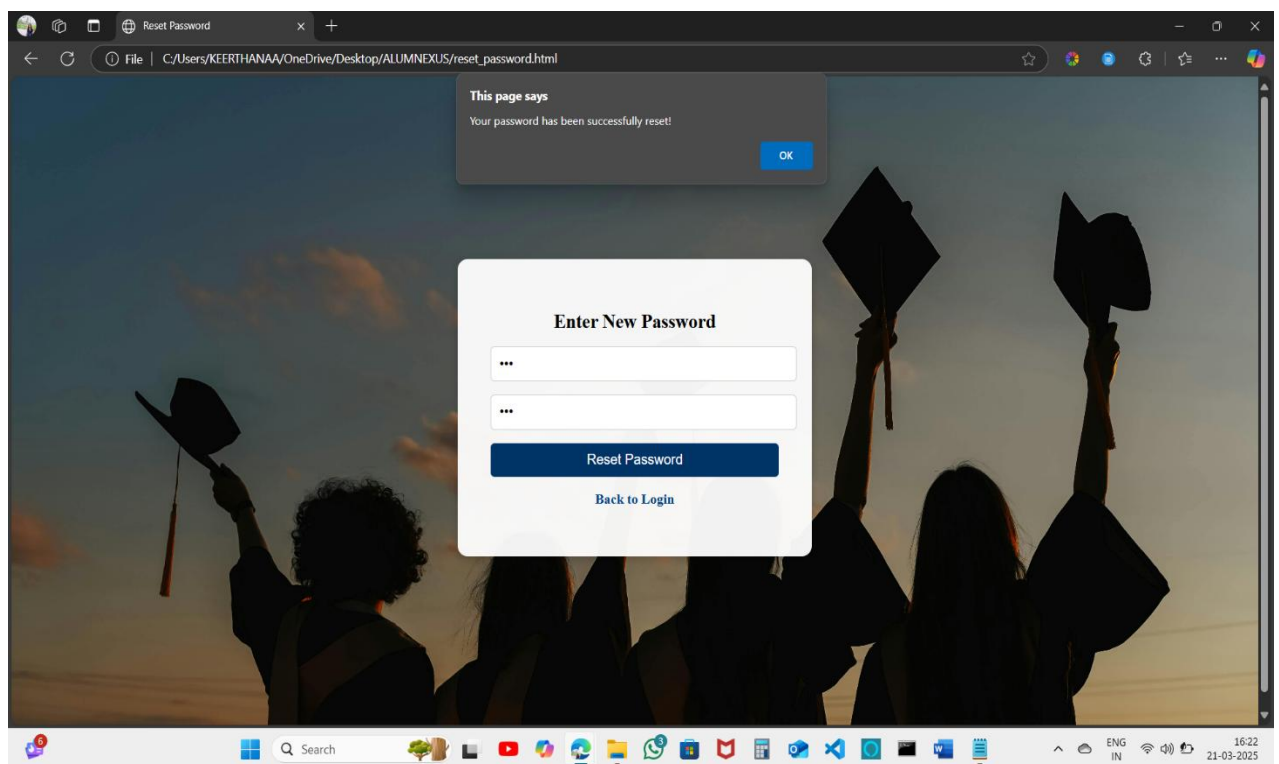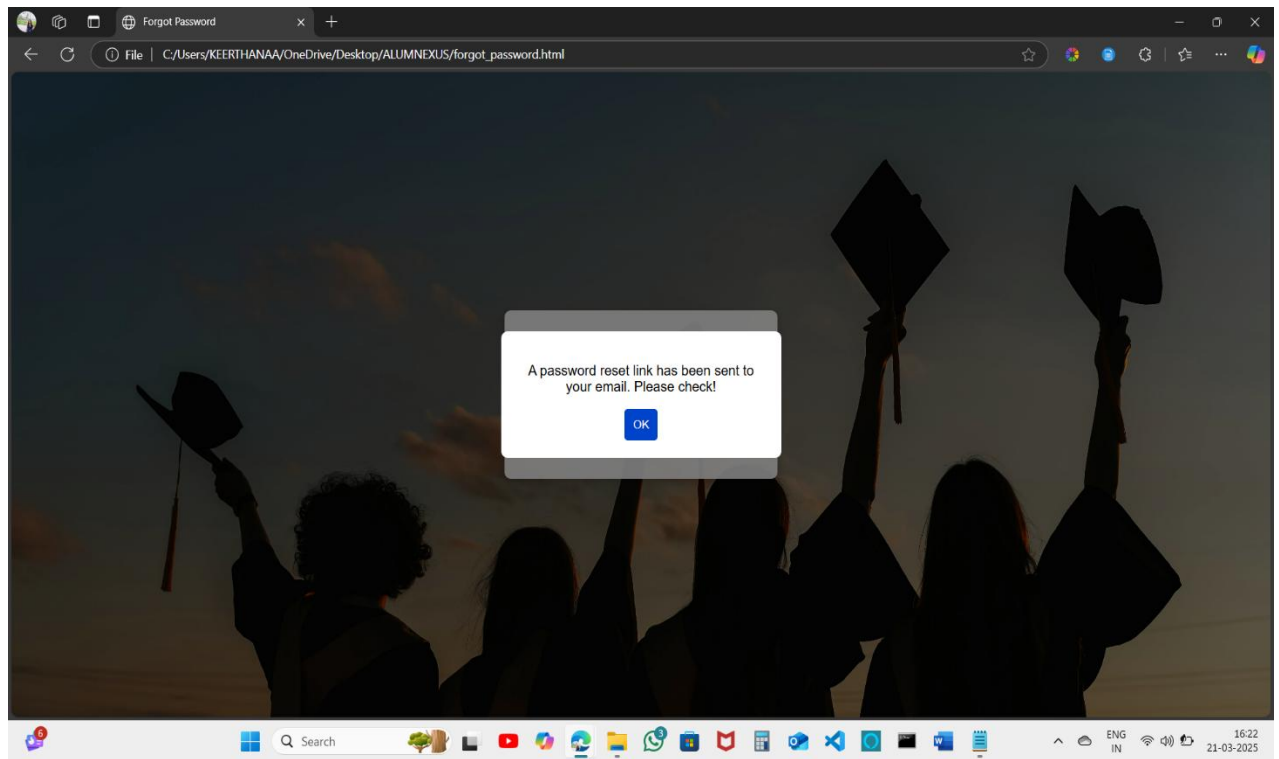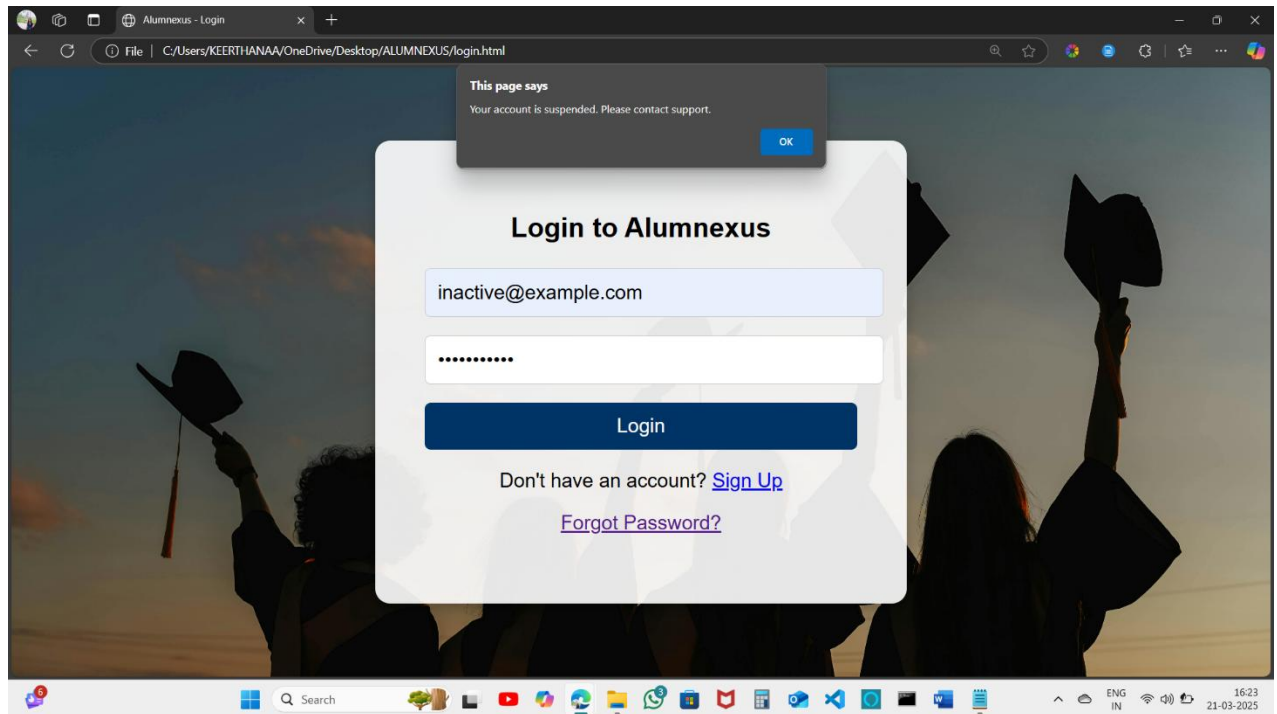
```html
      </div>
    </div>

    <script src="script_forgot_password.js"></script>
</body>
</html>
```

```css
body {
    font-family: Arial, sans-serif;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    background: url('images/back2.jpg') no-repeat center center/cover;
}

.login-container {
    background: rgba(255, 255, 255, 0.9);
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.2);
    text-align: center;
}

.modal {
    display: none;
    position: fixed;
    top: 0;
    left: 0;
    width: 100%;
    height: 100%;
    background: rgba(0, 0, 0, 0.5);
    justify-content: center;
    align-items: center;
}

.modal-content {
    background: white;
    padding: 20px;
    border-radius: 8px;
    text-align: center;
    width: 300px;
}

button {
    background: #0044cc;
    color: white;
    border: none;
    padding: 10px;
    cursor: pointer;
    border-radius: 4px;
```

```css
}

button:hover {
    background: #0033aa;
}
```
```javascript
document.addEventListener("DOMContentLoaded", function () {
    let forgotPasswordForm = document.getElementById("forgotPasswordForm");
    let popupModal = document.getElementById("popupModal");
    let closePopup = document.getElementById("closePopup");

    let users = {
        "user@example.com": { password: "password123", active: true },
        "test@example.com": { password: "testpass", active: true }
    };

    forgotPasswordForm.addEventListener("submit", function (event) {
        event.preventDefault(); // Prevent page reload

        let resetEmail = document.getElementById("resetEmail").value.trim();

        // Validate email input
        if (resetEmail === "") {
            alert("Please enter your email address.");
            return;
        }

        if (!users[resetEmail]) {
            alert("This email is not registered.");
            return;
        }

        // Show popup and center it
        popupModal.style.display = "flex";
    });

    // Close popup and redirect to reset password page
    closePopup.addEventListener("click", function () {
        popupModal.style.display = "none";
        window.location.href = "reset_password.html"; // Redirect after confirmation
    });
});
```
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Reset Password</title>
    <link rel="stylesheet" href="reset_password_style.css">
</head>
<body class="reset-password-page">
    <div class="reset-password-container">
```

```html
        <h2>Enter New Password</h2>
        <form id="resetPasswordForm">
            <input type="password" id="newPassword" placeholder="New Password" required>
            <input type="password" id="confirmPassword" placeholder="Confirm Password"
required>
            <button type="submit">Reset Password</button>
        </form>
        <p><a href="login.html">Back to Login</a></p>
    </div>
    <script src="script_reset_password.js"></script>
</body>
</html>
```

```css
/* ===== Reset Password Page Styles ===== */
body.reset-password-page {
    background: url('images/back2.jpg') no-repeat center center fixed;
    background-size: cover;
    height: 100vh;
    display: flex;
    align-items: center;
    justify-content: center;
}

.reset-password-container {
    background: rgba(255, 255, 255, 0.95);
    padding: 40px;
    border-radius: 12px;
    box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.2);
    width: 350px;
    text-align: center;
}

.reset-password-container h2 {
    font-size: 22px;
    font-weight: bold;
    margin-bottom: 15px;
}

.reset-password-container input {
    width: 100%;
    padding: 10px;
    margin-bottom: 15px;
    border: 1px solid #ccc;
    border-radius: 5px;
    font-size: 16px;
}

.reset-password-container button {
    width: 100%;
    padding: 10px;
    background-color: #004085;
    color: white;
```

```css
    border: none;
    border-radius: 5px;
    font-size: 16px;
    cursor: pointer;
    transition: 0.3s;
}

.reset-password-container button:hover {
    background-color: #003366;
}

.reset-password-container p a {
    text-decoration: none;
    color: #004085;
    font-weight: bold;
}

.reset-password-container p a:hover {
    color: #003366;
}
```

```javascript
document.addEventListener("DOMContentLoaded", function () {
    let resetPasswordForm = document.getElementById("resetPasswordForm");

    if (resetPasswordForm) {
        resetPasswordForm.addEventListener("submit", function (event) {
            event.preventDefault();
            let newPassword = document.getElementById("newPassword").value;
            let confirmPassword = document.getElementById("confirmPassword").value;

            if (newPassword !== confirmPassword) {
                alert("Passwords do not match. Try again.");
                return;
            }

            // Simulate password update
            alert("Your password has been successfully reset!");
            window.location.href = "login.html"; // Redirect back to login
        });
    }
});
```