

# Test Case Planning

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## 1. Use Case 1 - <<Registration Page>>

Test Case ID	<b>TC01 - Successful Registration</b>
Test Objective	<b>If the user inputs a valid full name, unique email, and a password meeting the 8-character minimum, a successful account creation confirmation should appear.</b>
Preconditions	If the email being used for registration does not exist in the system prior to this attempt. The user is pushed onto the Create Account screen.
Test steps	<ol style="list-style-type: none"> <li>User opens application.</li> <li>The user clicks “Create an account” on the login page.</li> <li>User inputs full name.</li> <li>User inputs unique email.</li> <li>User inputs password of at least 8 characters.</li> <li>The user retypes the same password in the Confirm Password field.</li> <li>The user clicks the “Create Account” button.</li> </ol>
Input Values	Full Name: “John Doe” Email: “newuser@example.com” Password: “Password123” Confirm Password: “Password123”
Expected results	The system creates the account successfully and displays: “Account created successfully.” The user is then redirected back to the login page.

Test Case ID	<b>TC02 - Password Too Short</b>
Test Objective	<b>To verify that registration fails if the password does not meet the 8-character minimum requirement (BR01).</b>
Preconditions	The user is on the Create Account screen. The email being tested does not already exist in the system.
Test steps	<ol style="list-style-type: none"> <li>User opens application.</li> <li>User clicks “Create an account”.</li> <li>The user enters a full name.</li> <li>The user enters valid, unused email.</li> <li>The user enters a password less than 8 characters.</li> <li>The user retypes the same short password.</li> <li>The user clicks “Create Account.”</li> </ol>
Input Values	Full Name: “John Doe” Email: “shortpassword@example.com” Password: “abc12” Confirm Password: “abc12”
Expected results	The system displays an error message: “Password must be at least 8 characters.” No account is created. The user remains on the registration screen.

<b>Test Case ID</b>	<b>TC03 - Duplicate Email</b>
<b>Test Objective</b>	<b>To ensure the system prevents registration using an existing email (BR02).</b>
<b>Preconditions</b>	An account already exists with the used email "existinguser@example.com". The user is on the Create Account screen.
<b>Test steps</b>	<ol style="list-style-type: none"> <li>1. User opens application.</li> <li>2. The user clicks "Create an account."</li> <li>3. The user enters a full name.</li> <li>4. The user enters email already tied to an existing account.</li> <li>5. The user enters a valid password (<math>\geq 8</math> chars).</li> <li>6. User confirms password.</li> <li>7. The user clicks "Create Account."</li> </ol>
<b>Input Values</b>	Full Name: "John Doe" Email: "existinguser@example.com" Password: "NewPassword" Confirm Password: "NewPassword"
<b>Expected results</b>	The system displays an error message: "Email already exists" and prevents creation of a duplicate account. The user stays on the registration page.

<b>Test Case ID</b>	<b>TC04 - Invalid Email Format</b>
<b>Test Objective</b>	<b>To verify that the system prevents registration when the email entered does not follow a valid email format.</b>
<b>Preconditions</b>	The user is on the Create Account screen. No account exists for this invalid email (format-related only).
<b>Test steps</b>	<ol style="list-style-type: none"> <li>1. User opens the application</li> <li>2. The user clicks "Create an account."</li> <li>3. User enters a full name</li> <li>4. The user enters an email with invalid format (missing "@" or missing domain).</li> <li>5. The user enters a valid password (<math>\geq 8</math> characters).</li> <li>6. The user enters a matching confirm password.</li> <li>7. The user clicks "Create Account."</li> </ol>
<b>Input Values</b>	Full Name: "John Doe" Email: "invalidemailformat" Password: "Password123" Confirm Password: "Password123"
<b>Expected results</b>	The system displays an error message: "Please enter a valid email address." No account is created. The user remains on the registration screen.