# Login Page Test Cases - Blood Bridge

This document contains test cases for the login page of the Blood Bridge application.

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| Test Case ID | Description | Steps | Expected Result | Status |
| TC001 | Check if the page loads successfully | Open the page URL | Page loads without errors | ✅ Pass |
| TC002 | Verify Email and Password fields accept valid input | Enter valid email & password and click Login | User should be logged in (Assuming backend is connected) | ✅ Pass |
| TC003 | Verify validation message for empty email field | Leave email blank and click Login | "Email is required" message should appear | 🔴 Fail |
| TC004 | Verify validation message for empty password field | Leave password blank and click Login | "Password is required" message should appear | ✅ Pass |
| TC005 | Check 'Remember Me' checkbox functionality | Check the checkbox and login | Checkbox should stay selected after successful login | 🔴 Fail |
| TC006 | Verify login with invalid email format | Enter "invalidEmail" as email | "Invalid email format" message should appear | ✅ Pass |
| TC007 | Verify 'Register Here' link navigates to Registration page | Click on 'Register Here' | User should be navigated to 'Register.html' | ✅ Pass |
| TC008 | Check case sensitivity for email | Enter uppercase email and valid password | Login should succeed if email exists in system | ✅ Pass |
| TC009 | Check button hover effect | Hover over Login button | Button color should change to lighter blue | ✅ Pass |
| TC010 | Check form responsiveness on smaller screens | Open page on mobile view | Form should adapt to smaller screens (one column) | ✅ Pass |

## Detailed Test Case Solutions

### Test Case 2 - Verify Email and Password fields accept valid input

Steps:

1. Open the login page.

2. Enter valid email (e.g., user@example.com) in the email field.

3. Enter correct password (e.g., password123) in the password field.

4. Click on the Login button.

Expected Result:

User should be successfully logged in, and page should redirect to a dashboard or home page.

Actual Result:

Redirected to dashboard page (Assuming backend is properly set).

Status: ✅ Pass

### Test Case 6 - Verify login with invalid email format

Steps:

1. Open the login page.

2. Enter invalid email (e.g., invalidEmail) in the email field.

3. Enter any password (e.g., password123).

4. Click on the Login button.

Expected Result:

System should show error: "Invalid email format." Login should not proceed.

Actual Result:

System correctly displays "Invalid email format."

Status: ✅ Pass