

Test Case Planning

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

Test Case ID	TC01 - Successful Registration
Test Objective	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.
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">1. User opens application.2. The user clicks "Create an account" on the login page.3. User inputs full name.4. User inputs unique email.5. User inputs password of at least 8 characters.6. The user retypes the same password in the Confirm Password field.7. The user clicks the "Create Account" button.
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	TC02 - Password Too Short
Test Objective	To verify that registration fails if the password does not meet the 8-character minimum requirement (BR01).
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">1. User opens application.2. User clicks "Create an account".3. The user enters a full name.4. The user enters valid, unused email.5. The user enters a password less than 8 characters.6. The user retypes the same short password.7. The user clicks "Create Account."
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.

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

Test Case ID	TC04 - Invalid Email Format
Test Objective	To verify that the system prevents registration when the email entered does not follow a valid email format.
Preconditions	The user is on the Create Account screen. No account exists for this invalid email (format-related only).
Test steps	<ol style="list-style-type: none">1. User opens the application2. The user clicks "Create an account."3. User enters a full name4. The user enters an email with invalid format (missing "@" or missing domain).5. The user enters a valid password (≥ 8 characters).6. The user enters a matching confirm password.7. The user clicks "Create Account."
Input Values	Full Name: "John Doe" Email: "invalidemailformat" Password: "Password123" Confirm Password: "Password123"
Expected results	The system displays an error message: "Please enter a valid email address." No account is created. The user remains on the registration screen.