📝 Manual Test Cases for User Registration

1. Registration Form Fields (General)

Test Case ID: REG-001

- **Description:** Verify successful user registration with valid, complete data.

- **Pre Conditions:** User is on the **Registration Page**.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user enters valid and unique data in all required fields (Name, Email, Username, Password)

  - And the user clicks the "Register" button

  - Then the system should display a **Success Message** (e.g., "Registration successful!")

  - And the user should be **redirected** to the Login or Home page.

- **Expected Result:** User account created, success message displayed, and user redirected correctly.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: REG-002

- **Description:** Verify registration fails when a **mandatory field** (e.g., Email) is left blank.

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user leaves the **Email** field blank

  - And the user enters valid data in all other required fields

- o And the user clicks the "Register" button

- o Then the system should display an **Error Message** specific to the missing field (e.g., "Email is required").

- **Expected Result:** Registration fails, and a clear error message is displayed next to the missing field.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: REG-003

- **Description:** Verify the "Terms & Conditions" checkbox functionality.

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - o Given the user is on the Registration Page

  - o When the user enters valid data in all required fields

  - o And the user **does not** check the "I agree to the Terms & Conditions" checkbox

  - o And the user clicks the "Register" button

  - o Then the system should display an error message prompting the user to **accept the terms**.

- **Expected Result:** Registration fails, and an error message about the T&C acceptance is displayed.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

2. Username Field Validation

Test Case ID: UN-001

- **Description:** Verify username field accepts valid, unique alphanumeric input within the length limit (e.g., 8-20 characters).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  o   Given the user is on the Registration Page

  o   When the user enters a valid username (e.g., "**User123Test**")

  o   And the user enters valid data in other fields and attempts to register

  o   Then the registration process should proceed successfully.

- **Expected Result:** Registration is successful, and the username is accepted.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: UN-002

- **Description:** Verify registration fails when an **already registered** username is used.

- **Pre Conditions:** User 'testuser' already exists in the database.

- **Steps (Gherkin):**

  o   Given the user is on the Registration Page

  o   When the user enters an existing username (e.g., "**testuser**")

  o   And the user enters valid data in other fields and attempts to register

  o   Then the system should display an error message: "**Username is already taken.**"

- **Expected Result:** Registration fails, and a unique username violation error is displayed.

- **Bug Report:** *Bug: UN-002 - System allowed duplicate username.*

- **Test Closure: Fail**

Test Case ID: UN-003

- **Description:** Verify registration fails when the username is **below the minimum length** (e.g., < 8 chars).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user enters a username shorter than the minimum (e.g., "**User1**")

  - And the user attempts to register

  - Then the system should display an error message about the **minimum length requirement**.

- **Expected Result:** Registration fails, and a minimum length error message is displayed.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: UN-004

- **Description:** Verify registration fails when the username contains **unsupported special characters** (e.g., !@#$%^).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user enters a username with unsupported special characters (e.g., "**User@name!**")

  - And the user attempts to register

  - Then the system should display an error message about **invalid characters**.

- **Expected Result:** Registration fails, and an invalid character error message is displayed.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

3. Password Field Validation

Test Case ID: PW-001

- **Description:** Verify password field accepts a strong, valid password (e.g., 8+ chars, mix of case, number, special char).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user enters a valid, strong password (e.g., "**P@sswOrd123**")

  - And the user enters the same password in the "Confirm Password" field

  - And the user attempts to register

  - Then the registration process should proceed successfully.

- **Expected Result:** Registration is successful, and the strong password is accepted.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: PW-002

- **Description:** Verify registration fails if the password **does not meet complexity requirements** (e.g., no special character).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - Given the user is on the Registration Page

  - When the user enters a password that is too simple (e.g., "**password123**")

- o   And the user attempts to register

- o   Then the system should display an error message stating the **complexity requirement** (e.g., "Must contain at least one special character").

- **Expected Result:** Registration fails, and a complexity requirement error is displayed.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Test Case ID: PW-003

- **Description:** Verify password field **masks the input** (displays dots or asterisks).

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - o   Given the user is on the Registration Page

  - o   When the user types a password into the Password field

  - o   Then the input characters should be **masked/hidden** (e.g., * or •).

- **Expected Result:** Input is correctly masked to prevent shoulder surfing.

- **Bug Report:** *Bug: PW-003 - Password field displays plain text*.

- **Test Closure: Fail**

Test Case ID: PW-004

- **Description:** Verify registration fails when **Password** and **Confirm Password** fields **do not match**.

- **Pre Conditions:** User is on the Registration Page.

- **Steps (Gherkin):**

  - o   Given the user is on the Registration Page

  - o   When the user enters "**TestPass1**" in the Password field

  - o   And the user enters "**TestPass2**" in the Confirm Password field

- o And the user attempts to register

- o Then the system should display an error message: "**Passwords do not match.**"

- **Expected Result:** Registration fails, and a password mismatch error is displayed.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

Manual Test Cases for Autopay Enrollment

1. Successful Enrollment with Valid Details

Test Case ID: AP-001

- **Description:** Verify a customer can successfully enroll in Autopay using a valid, supported payment method (e.g., Credit Card or Bank Account).

- **Pre Conditions:**

  - o User is logged into their account.

  - o User has navigated to the **Autopay Enrollment** page.

  - o User has a valid payment method (e.g., unexpired Credit Card) ready.

- **Steps (Gherkin):**

  - o Given the user is on the Autopay Enrollment page

  - o When the user selects a supported payment method (e.g., Credit Card)

  - o And the user enters all required, valid payment details (e.g., Card Number, Expiration Date, CVV)

  - o And the user checks the agreement checkbox (if applicable)

  - o And the user clicks the "Enroll in Autopay" button

  - o Then the system should display a **Success Confirmation Message** (e.g., "You are now enrolled in Autopay.")

  - o And the payment method should be **tokenized and saved** for future use.

- **Expected Result:** Autopay enrollment is successful, a confirmation message is displayed, and the account status reflects "Autopay Enabled."

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**

2. Enrollment Failure due to Invalid Payment Details (Expired Card)

Test Case ID: AP-002

- **Description:** Verify the system prevents Autopay enrollment when using an **expired** payment method.

- **Pre Conditions:**

  - User is logged into their account.

  - User is on the **Autopay Enrollment** page.

  - User has an expired Credit Card available for testing.

- **Steps (Gherkin):**

  - Given the user is on the Autopay Enrollment page

  - When the user selects Credit Card as the payment method

  - And the user enters a valid Card Number and CVV

  - And the user enters an **Expired Date**

  - And the user clicks the "Enroll in Autopay" button

  - Then the system should display a **clear Error Message** (e.g., "The payment card expiration date is invalid.")

  - And the user should **remain on the enrollment page**.

- **Expected Result:** Autopay enrollment fails, and a specific error message about the expired card/invalid date is displayed.

- **Bug Report:** *Bug: AP-002 - Enrollment allowed using an expired card*.

- **Test Closure: Fail**

3. Enrollment Failure due to Missing Agreement/Consent

Test Case ID: AP-003

- **Description:** Verify the system prevents enrollment if the user does not agree to the Autopay Terms and Conditions (the required consent checkbox).

- **Pre Conditions:**

  o   User is logged into their account.

  o   User is on the **Autopay Enrollment** page.

  o   The Autopay Terms and Conditions require explicit agreement via a checkbox.

- **Steps (Gherkin):**

  o   Given the user is on the Autopay Enrollment page

  o   When the user enters all required, valid payment details

  o   And the user **does not check** the "I agree to the Autopay Terms and Conditions" checkbox

  o   And the user clicks the "Enroll in Autopay" button

  o   Then the system should display a **mandatory field error** (e.g., "You must agree to the Terms and Conditions to enroll.")

  o   And the enrollment should **not be processed**.

- **Expected Result:** Enrollment is blocked, and an error message pointing to the unaccepted terms and conditions is shown.

- **Bug Report:** *(N/A - Pass)*

- **Test Closure: Pass**