**Test Case 1**

* **ID:** TC01
* **Test Case Description:** Successful registration with valid input
* **Preconditions:** User is on registration page, not logged in
* **Test Steps:**
  1. Enter: Username = "john\_doe", Age = 25, Email = "john@example.com", Gender = Male
  2. Click Register
* **Expected Result:**
  1. Account is created
  2. Confirmation email is sent
  3. Redirected to login page with success message
* **Notes:** NF (Normal Flow)

**Test Case 2**

* **ID:** TC02
* **Test Case Description:** Missing mandatory fields
* **Preconditions:** None
* **Test Steps:**
  1. Enter Username = “”, enter Age = 20, Email = "user@example.com", Gender = Male
  2. Click Register
* **Expected Result:**
  1. Error: "Username is required"
  2. Form submission is blocked
* **Notes:** AL (Alternative Flow – A1)

**Test Case 3**

* **ID:** TC03
* **Test Case Description:** Invalid email format
* **Preconditions:** None
* **Test Steps:**
  1. Enter: Username = "testting ", Age = 21, Email = "dhbac ", Gender = Male
  2. Click Register
* **Expected Result:**
  1. Error: "Invalid email format"
  2. Prevents form submission
* **Notes:** AL (Alternative Flow – A2)

**Test Case 4**

* **ID:** TC04
* **Test Case Description:** Username already exists
* **Preconditions:** "john\_doe" is already registered
* **Test Steps:**
  1. Enter: Username = "john\_doe", Age = 22, Email = "newjohn@example.com", Gender = Male
  2. Click Register
* **Expected Result:**
  1. Error: "Username already exists, please choose a different username "
* **Notes:** AL (Alternative Flow – A3)

### ****Test Case 5****

* **ID:** TC05
* **Test Case Description:** Mất kết nối Internet khi nhấn nút Đăng ký
* **Preconditions:** Kết nối mạng bị mất ngay sau khi điền form
* **Test Steps:**
  1. Nhập đầy đủ thông tin hợp lệ
  2. Ngắt kết nối Internet
  3. Click Register
* **Expected Result:**
  1. Hiển thị thông báo: "Không thể kết nối đến máy chủ. Kiểm tra kết nối mạng của bạn."
  2. Không tạo tài khoản
* **Notes:** EX (Exception – Network Failure)