# Bug Report - Sign Up Validation Failures

Project: Edges Course Center Software

Module: Account Creation (Sign Up)

Reported by: MH power2 (the legend)

## BUG-SIGNUP-001

a. Failed Test Case: Test: Name Length 3 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Enter name with 3 letters (e.g., "Ali") → Complete rest of form → Submit

d. Root Cause:  
Boundary check not properly implemented to accept minimum name length of 3

e. Suggested Fix:  
Ensure name length >= 3 is explicitly allowed in input validation logic

## BUG-SIGNUP-002

a. Failed Test Case: Test: Name Length 32 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Enter a name with exactly 32 characters → Fill other valid fields → Submit

d. Root Cause:  
Name validation is rejecting the upper boundary (32 chars)

e. Suggested Fix:  
Update name length validation to allow exactly 32 characters

## BUG-SIGNUP-003

a. Failed Test Case: Test: Age 0 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Enter Age = 0 and matching DOB → Submit

d. Root Cause:  
Validation incorrectly blocks minimum age = 0

e. Suggested Fix:  
Fix validation logic to accept Age >= 0

## BUG-SIGNUP-004

a. Failed Test Case: Test: Age 100 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Enter Age = 100 and matching DOB → Submit

d. Root Cause:  
Age > 99 possibly hardcoded as invalid

e. Suggested Fix:  
Update range to allow Age up to 100 as maximum

## BUG-SIGNUP-005

a. Failed Test Case: Test: DOB Feb 29 Leap Year Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Enter DOB = 29/02/2024 → Fill rest of data → Submit

d. Root Cause:  
Leap year calculation not implemented properly

e. Suggested Fix:  
Use proper leap year check: year % 4 == 0 && (year % 100 != 0 || year % 400 == 0)

## BUG-SIGNUP-006

a. Failed Test Case: Test: Username Length 8 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Use 8-character username (minimum) → Fill and submit

d. Root Cause:  
Username validation has off-by-one or inclusive range issue

e. Suggested Fix:  
Adjust validation to accept usernames with 8 characters

## BUG-SIGNUP-007

a. Failed Test Case: Test: Username Length 32 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Use 32-character username → Fill rest of form and submit

d. Root Cause:  
Upper boundary of username length is rejected

e. Suggested Fix:  
Ensure <=32 is used in string length check

## BUG-SIGNUP-008

a. Failed Test Case: Test: Password Length 8 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Use 8-character password → Confirm and submit

d. Root Cause:  
Password length check wrongly excludes 8 characters

e. Suggested Fix:  
Update password validation to allow 8 characters as valid

## BUG-SIGNUP-009

a. Failed Test Case: Test: Password Length 32 Add/Delete

b. Expected Output: TRUE vs Actual Output: FALSE

c. Reproduction Steps:  
Launch software → Create account → Use 32-character password → Confirm and submit

d. Root Cause:  
Validation logic fails at max password length

e. Suggested Fix:  
Use <= comparison and confirm input buffer size

## BUG-SIGNUP-010

a. Failed Test Case: Test: Age Inconsistent Past DOB

b. Expected Output: FALSE vs Actual Output: TRUE

c. Reproduction Steps:  
Launch software → Create account → Set Age = 20 but DOB = 1990 → Submit

d. Root Cause:  
Age-DOB consistency check is skipped or implemented incorrectly

e. Suggested Fix:  
Ensure calculated age from DOB matches declared age

I am sorry Moatz but I used the error in the code that estimates the age for 2024 and I tested for 2025 😊