

Test Case #	Test Input	Expected Output	Actual Output
1	Valid seller account (unique username, strong password, verified phone)	Account created successfully, redirect to login	✓
2	Valid agent account (valid agent ID, unique username, strong password, verified phone)	Account created successfully, redirect to login	✓
3	Duplicate username (same username for any user type)	Error: "Username already taken"	✓
4	Password < 8 characters	Error: "Password must be at least 8 characters long..."	✓
5	Password without uppercase letter	Error: "Password must contain uppercase letter"	✓
6	Password without lowercase letter	Error: "Password must contain lowercase letter"	✓
7	Password without number	Error: "Password must contain number"	✓
8	Password without special character	Error: "Password must contain special character"	✓
9	Phone number without +65 prefix	System auto-prepends +65, OTP sent	✓
10	Invalid OTP entered	Error: "Invalid OTP"	✓
11	Agent account with invalid agent ID	Error: "Invalid agent registration number"	✓
12	Agent account with empty agent ID	Error: "Agent registration number required"	✓
13	Missing required field (e.g. empty username)	Error highlighting missing field	✓
14	Password and confirm password don't match	Error: "Passwords do not match"	✓
15	Seller account with agent ID field filled	Agent ID stored as NULL in database	✓
16	SQL injection attempt (e.g. ' OR '1'='1 in username)	Input rejected/sanitized	✓
17	Multiple OTP requests for same number	Only latest OTP is valid	✓
18	Valid credentials but Twilio SMS failure	Error: "Failed to send OTP" with retry option	✓
19	Session timeout during OTP verification	Prompt to restart verification process	✓
20	Existing user forgot password flow	Successfully resets password after OTP verification	✓