

Test Case Planning

Group members	Sara Ross, Bobby Khleang, George Williams, Dylan Burton, Omaid Ghafoori
----------------------	---

1. Use Case 1 – Log Workout Information

Test Case ID	TC01 - Valid bench press entry / weight, rep, set
Test Objective	Verify that a registered user can enter valid workout information and the system will save it and display a confirmation message.
Preconditions	<ul style="list-style-type: none"> User is a registered user. User is on the “Strength Level Log” screen (accessed after login or via Workout page). App/server is available.
Test steps	<ol style="list-style-type: none"> View the “Strength Level Log” screen showing fields for <i>Weight (lbs), Reps, and Sets</i>. Enter valid values for all fields. Click Save.
Input Values	<ul style="list-style-type: none"> Excercise: Bench Press Weight: 135 lbs Reps: 10 Sets: 3
Expected results	<ul style="list-style-type: none"> App verifies inputs against defined business rules. App stores the bench press entry. App displays confirmation text: “<i>Workout saved.</i>” Reopening the screen or viewing workout history shows the saved entry persists.

Test Case ID	TC02 - Missing required field
Test Objective	Verify that the app blocks saving when any required bench-press field is blank and shows the correct error message.
Preconditions	Same as TC01.
Test steps	<ol style="list-style-type: none"> View the “Strength Level Log” screen. Enter values for Weight and Reps but leave Sets blank. Click Save.
Input Values	<ul style="list-style-type: none"> Excercise: Deadlift Weight: 135 lbs Reps: 10 Sets: [blank]
Expected results	<ul style="list-style-type: none"> App displays: “<i>Sets cannot be blank!</i>” (or correct error per field name). No data is saved. User remains on the form to correct the missing input.

Test Case ID	TC03 - Invalid weight value
---------------------	-----------------------------

Test Objective	Verify that the app rejects invalid bench press weight values per business rules (weight must be > 0).
Preconditions	Same as TC01.
Test steps	<ol style="list-style-type: none"> View the “Strength Level Log” screen. Enter 0 for Weight and valid values for Reps and Sets. Click Save.
Input Values	<ul style="list-style-type: none"> Excercise: Squat Weight: 0 lbs Reps: 10 Sets: 3
Expected results	<ul style="list-style-type: none"> App displays: “<i>Invalid weight.</i>” No data is saved. User returns to the form for correction.

Test Case ID	TC04 - Invalid reps value
Test Objective	Verify that the app rejects invalid reps values (must be > 0 and typically < 100).
Preconditions	Same as TC01.
Test steps	<ol style="list-style-type: none"> View the “Strength Level Log” screen. Enter valid Weight and Sets but set Reps to 0. Click Save.
Input Values	<ul style="list-style-type: none"> Excercise: Overhead Press Weight: 135 lbs Reps: 0 Sets: 3
Expected results	<ul style="list-style-type: none"> App displays: “<i>Invalid number of reps.</i>” No data is saved. User is returned to the same form for correction.