Final Bug Report

Application: Able Space
Module: Take Data Screen
Test Focus: Trial Navigation, Capture, Graph, State Persistence

BUG 1

Title:

Active trial does not persist after page refresh

Description:

When navigating to Trial 2 or Trial 3 and refreshing the page, the screen resets to Trial 1 instead of remaining on the previously active trial.

Steps to Reproduce:

1. Open Take Data screen
2. Navigate to Trial 2 or Trial 3
3. Refresh the browser
4. Observe active trial

Expected Result:

The system should retain the last active trial after refresh.

Actual Result:

Page reloads and defaults to Trial 1.

Severity:

Medium

(Session persistence / UX issue)

BUG 2

Title:

Graph frequency mismatch after countdown reaches 0 and page refresh

Description:

When capture/countdown reaches 0 and the page is refreshed, the graph displays incorrect frequency values (e.g., still showing frequency = 1).

Steps to Reproduce:

1. Start a trial
2. Let capture/countdown reach 0
3. Refresh the page
4. Open Graph tab

Expected Result:

Graph should accurately reflect the updated frequency value.

Actual Result:

Graph displays outdated or incorrect frequency.

Severity:

High

(Data accuracy issue – affects reporting)

BUG 3

Title:

Capture does not work properly for Trial 2 in Graph/Stats/Info tabs

Description:

When switched to Trial 2, capture functionality becomes unresponsive in certain tab views (Graph / Stats / Info).

Steps to Reproduce:

1. Navigate to Trial 2
2. Switch between Capture, Graph, Stats, and Info tabs
3. Attempt to record data

Expected Result:

Capture functionality should work consistently across tabs.

Actual Result:

Capture does not respond under certain tab conditions.

Severity:

High

(Core functionality reliability issue)

BUG 4 (CRITICAL)

Title:

Graph does not display Trial 2 data unless Trial 3 is tested

Description:

When only Trial 1 and Trial 2 are tested, the graph displays only Trial 1 data.

Trial 2 data does not appear unless Trial 3 is also tested.

Steps to Reproduce:

1. Record data in Trial 1
2. Record data in Trial 2
3. Do NOT test Trial 3
4. Open Graph tab

Expected Result:

Graph should display data for both Trial 1 and Trial 2.

Actual Result:

Only Trial 1 data is displayed.

Trial 2 data appears missing.

Additional Observation:

Once Trial 3 is tested, Trial 2 data becomes visible correctly.

Severity:

🚨 Critical – Data visibility / reporting logic issue

Impact:

- Valid trial data is not displayed
- Graph rendering appears dependent on number of trials executed
- Reporting may exclude legitimate data
- Clinical decisions could be affected

BUG 5

Title:

Goal progress statement does not update based on capture count

Description:

The goal statement:

"Demo Student1 will take 5 bites in 4 out of 5 opportunities."

Even after increasing capture count, no dynamic update or progress indication is reflected.

Expected Result:

Goal progress metrics should update dynamically based on capture data.

Actual Result:

No visible update to goal progress.

Severity:

Medium

(Functional gap / Missing feedback mechanism)

Overall Findings Summary

The Take Data module shows issues in:

- Trial state persistence after refresh
- Graph data synchronization after countdown completion
- Capture reliability across tabs
- Graph rendering logic (trial index dependency)
- Goal progress dynamic updates

The most critical issue is **BUG 4**, where valid trial data is not displayed unless additional trials are executed, indicating a flaw in graph rendering logic or trial indexing.