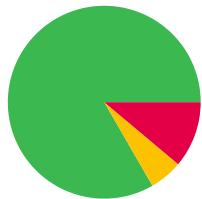




## Snapshot 4 Test Run Summary

Project: Southern California Edison VR Training Simulation  
By Derek Rosales, 12/11/2025 3:03 AM

### Run: Snapshot 4 – Final Regression & Performance



<span style="color: green;">■</span>	<b>30 Passed</b>	83% set to Passed
<span style="color: black;">■</span>	<b>0 Blocked</b>	0% set to Blocked
<span style="color: yellow;">■</span>	<b>2 Skipped</b>	6% set to Skipped
<span style="color: red;">■</span>	<b>4 Failed</b>	11% set to Failed
<span style="color: green;">■</span>	<b>0 Autom..ssed</b>	0% set to Autom..ssed
<span style="color: red;">■</span>	<b>0 Autom..iled</b>	0% set to Autom..iled
<span style="color: gray;">■</span>	<b>0 Autom..rror</b>	0% set to Autom..rror

**83%**  
Passed

0 / 36 untested (0%).

Snapshot 4 Test Run: Includes full regression testing across all features as well as performance and stability tests. This is the final run for the project before submission.

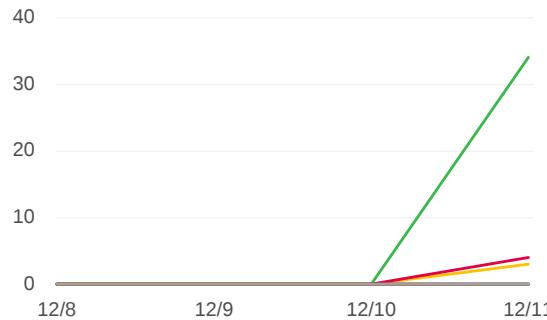
Created On

12/11/2025

Completed

No

## Activity



12/8/2025 – 12/11/2025:

<span style="color: green;">█</span>	<b>34 Passed</b> 83% set to Passed	<span style="color: green;">█</span>	<b>0 Autom..ssed</b> 0% set to Autom..ssed
<span style="color: gray;">█</span>	<b>0 Blocked</b> 0% set to Blocked	<span style="color: red;">█</span>	<b>0 Autom..iled</b> 0% set to Autom..iled
<span style="color: yellow;">█</span>	<b>3 Skipped</b> 7% set to Skipped	<span style="color: gray;">█</span>	<b>0 Autom..rror</b> 0% set to Autom..rror
<span style="color: red;">█</span>	<b>4 Failed</b> 10% set to Failed		

Thursday, December 11, 2025

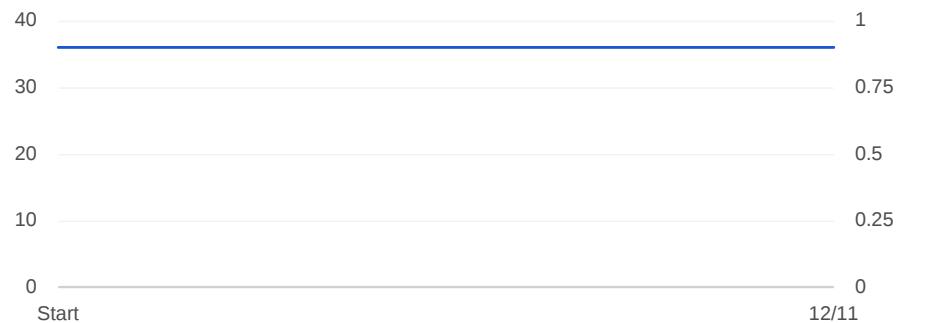
<span style="background-color: #e0e0e0; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Failed</span>	EQUIP-05: Equipment interaction events are logged [S3]	Tested by Derek R.
<span style="background-color: #e0e0e0; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Failed</span>	REG-01: Wiring simulation still works after later changes [S3]	Tested by Derek R.
<span style="background-color: #c8a234; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Skipped</span>	REG-01: Wiring simulation still works after later changes [S3]	Marked by Derek R.
<span style="background-color: #e0e0e0; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Failed</span>	PERF-03: Scenario loads within acceptable time [S4]	Tested by Derek R.
<span style="background-color: #e0e0e0; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Failed</span>	SCORE-03: Time taken affects final score [S3]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	REG-02: Authentication still works after later changes [S3]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	REG-01: Wiring simulation still works after later changes [S3]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	PERF-03: Scenario loads within acceptable time [S4]	Tested by Derek R.
<span style="background-color: #c8a234; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Skipped</span>	REG-03: Scores still stored correctly after optimizations [S4]	Marked by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	PERF-02: Login and main menu load within acceptable time [S4]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	PERF-01: VR session remains stable for 20-minute run [S4]	Tested by Derek R.
<span style="background-color: #c8a234; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Skipped</span>	SCORE-06: Incorrect scoring configuration does not crash app [S4]	Marked by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	SCORE-05: Score and feedback stored and later viewable [S3]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	SCORE-04: Score summary screen is displayed after session [S3]	Tested by Derek R.
<span style="background-color: #5cb85c; border-radius: 50%; padding: 2px 5px; border: 1px solid black;">Passed</span>	SCORE-03: Time taken affects final score [S3]	Tested by Derek R.

Passed	SCORE-02: Score decreases for unsafe actions [S3]	Tested by Derek R.
Passed	SCORE-01: Score is calculated based on task accuracy [S3]	Tested by Derek R.
Passed	EQUIP-05: Equipment interaction events are logged [S3]	Tested by Derek R.
Passed	EQUIP-04: System enforces correct sequence of equipment usage [S3]	Tested by Derek R.
Passed	EQUIP-03: Invalid equipment placement is rejected [S3]	Tested by Derek R.
Passed	EQUIP-02: Trainee can place equipment at valid target location [S3]	Tested by Derek R.
Passed	EQUIP-01: Trainee can pick up equipment [S3]	Tested by Derek R.
Passed	DATA-06: Past scores are retrievable for a user [S3]	Tested by Derek R.
Passed	DATA-05: Scores are stored for completed training sessions [S3]	Tested by Derek R.
Passed	DATA-04: Equipment session data stored with correct association [S3]	Tested by Derek R.
Passed	DATA-03: Backend handles database failure gracefully [S2]	Tested by Derek R.
Passed	DATA-02: Trainee progress is visible after re-login [S2]	Tested by Derek R.
Passed	DATA-01: Scenario completion is saved to database [S2]	Tested by Derek R.
Passed	WIRE-07: Objective progress updates in real time [S3]	Tested by Derek R.
Passed	WIRE-06: Scenario completes after all wiring objectives are done [S2]	Tested by Derek R.
Passed	WIRE-05: Invalid wiring connections are prevented [S2]	Tested by Derek R.
Passed	WIRE-04: Trainee can connect wire between valid endpoints [S2]	Tested by Derek R.
Passed	WIRE-03: Trainee can pick up a wire [S2]	Tested by Derek R.
Passed	WIRE-02: Task panel shows all wiring objectives [S2]	Tested by Derek R.
Passed	WIRE-01: Wiring scenario can be started from scenario selection [S2]	Tested by Derek R.
Passed	AUTH-06: User can log out [S3]	Tested by Derek R.
Passed	AUTH-05: Session persists during a training session [S2]	Tested by Derek R.
Passed	AUTH-04: Sign-up validation for duplicate account [S2]	Tested by Derek R.
Passed	AUTH-03: Login fails with incorrect password [S2]	Tested by Derek R.
Passed	AUTH-02: User can log in with valid credentials [S2]	Tested by Derek R.
Passed	AUTH-01: User can create a new account [S2]	Tested by Derek R.
Untested	REG-03: Scores still stored correctly after optimizations [S4]	

- Untested REG-02: Authentication still works after later changes [S3]
- Untested REG-01: Wiring simulation still works after later changes [S3]
- Untested PERF-03: Scenario loads within acceptable time [S4]
- Untested PERF-02: Login and main menu load within acceptable time [S4]
- Untested PERF-01: VR session remains stable for 20-minute run [S4]
- Untested SCORE-06: Incorrect scoring configuration does not crash app [S4]
- Untested SCORE-05: Score and feedback stored and later viewable [S3]
- Untested SCORE-04: Score summary screen is displayed after session [S3]
- Untested SCORE-03: Time taken affects final score [S3]
- Untested SCORE-02: Score decreases for unsafe actions [S3]
- Untested SCORE-01: Score is calculated based on task accuracy [S3]
- Untested EQUIP-05: Equipment interaction events are logged [S3]
- Untested EQUIP-04: System enforces correct sequence of equipment usage [S3]
- Untested EQUIP-03: Invalid equipment placement is rejected [S3]
- Untested EQUIP-02: Trainee can place equipment at valid target location [S3]
- Untested EQUIP-01: Trainee can pick up equipment [S3]
- Untested DATA-06: Past scores are retrievable for a user [S3]
- Untested DATA-05: Scores are stored for completed training sessions [S3]
- Untested DATA-04: Equipment session data stored with correct association [S3]
- Untested DATA-03: Backend handles database failure gracefully [S2]
- Untested DATA-02: Trainee progress is visible after re-login [S2]
- Untested DATA-01: Scenario completion is saved to database [S2]
- Untested WIRE-07: Objective progress updates in real time [S3]
- Untested WIRE-06: Scenario completes after all wiring objectives are done [S2]
- Untested WIRE-05: Invalid wiring connections are prevented [S2]
- Untested WIRE-04: Trainee can connect wire between valid endpoints [S2]
- Untested WIRE-03: Trainee can pick up a wire [S2]

- 
- Untested WIRE-02: Task panel shows all wiring objectives [S2]
- 
- Untested WIRE-01: Wiring scenario can be started from scenario selection [S2]
- 
- Untested AUTH-06: User can log out [S3]
- 
- Untested AUTH-05: Session persists during a training session [S2]
- 
- Untested AUTH-04: Sign-up validation for duplicate account [S2]
- 
- Untested AUTH-03: Login fails with incorrect password [S2]
- 
- Untested AUTH-02: User can log in with valid credentials [S2]
- 
- Untested AUTH-01: User can create a new account [S2]
-

## Progress



Since 12/11/2025:

█ **Remaining Tests**

94% of tests completed.

█ **Remaining Effort**

Forecast not available.

█ **Ideal Progress**

Forecast not available.

## Forecasts & Estimates



Based on the current activity and forecasts, the projected completion date for the test run(s) is:

**Unknown**

*Forecast not possible*



The test run(s) were started **25 minutes ago** (12/11/2025).

Completed: 94% (34/36)

Elapsed: 0hr 0min

Tests / day: 34

Hours / day: n/a

Metric	By Estimate	By Forecast
Completed	0hr 0min	n/a
To-do	0hr 0min	n/a
Total	0hr 0min	n/a

## Tests & Results

### 1. Authentication & Accounts (6)

Covers user sign-up, login, logout, and session handling to ensure only authenticated trainees access the VR training simulation and their accounts behave correctly.

ID	Title	Status
T136	AUTH-01: User can create a new account [S2]	Passed
T137	AUTH-02: User can log in with valid credentials [S2]	Passed
T138	AUTH-03: Login fails with incorrect password [S2]	Passed
T139	AUTH-04: Sign-up validation for duplicate account [S2]	Passed
T140	AUTH-05: Session persists during a training session [S2]	Passed
T141	AUTH-06: User can log out [S3]	Passed

### 2. VR Wiring Simulation (7)

Validates the core wiring training scenario, including loading the scene, showing objectives, handling wire interactions, and enforcing valid/invalid wiring behavior.

ID	Title	Status
T142	WIRE-01: Wiring scenario can be started from scenario selection [S2]	Passed
T143	WIRE-02: Task panel shows all wiring objectives [S2]	Passed
T144	WIRE-03: Trainee can pick up a wire [S2]	Passed
T145	WIRE-04: Trainee can connect wire between valid endpoints [S2]	Passed
T146	WIRE-05: Invalid wiring connections are prevented [S2]	Passed
T147	WIRE-06: Scenario completes after all wiring objectives are done [S2]	Passed
T148	WIRE-07: Objective progress updates in real time [S3]	Passed

### 3. Backend & Progress Persistence (6)

Tests how the backend and PostgreSQL database store and retrieve user accounts, training sessions, progress, and related data without corruption or crashes.

ID	Title	Status
T149	DATA-01: Scenario completion is saved to database [S2]	Passed
T150	DATA-02: Trainee progress is visible after re-login [S2]	Passed

T151	DATA-03: Backend handles database failure gracefully [S2]	Passed
T152	DATA-04: Equipment session data stored with correct association [S3]	Passed
T153	DATA-05: Scores are stored for completed training sessions [S3]	Passed
T154	DATA-06: Past scores are retrievable for a user [S3]	Passed

#### 4. Equipment Handling (5)

Ensures trainees can pick up, move, place, and operate virtual equipment correctly, and that the system enforces proper usage rules inside the VR environment.

ID	Title	Status
T155	EQUIP-01: Trainee can pick up equipment [S3]	Passed
T156	EQUIP-02: Trainee can place equipment at valid target location [S3]	Passed
T157	EQUIP-03: Invalid equipment placement is rejected [S3]	Passed
T158	EQUIP-04: System enforces correct sequence of equipment usage [S3]	Passed
T159	EQUIP-05: Equipment interaction events are logged [S3]	Failed

#### 5. Scoring & Feedback (6)

Verifies that performance scores are calculated based on accuracy, time, and safety, and that clear feedback and score summaries are shown and saved for later review.

ID	Title	Status
T160	SCORE-01: Score is calculated based on task accuracy [S3]	Passed
T161	SCORE-02: Score decreases for unsafe actions [S3]	Passed
T162	SCORE-03: Time taken affects final score [S3]	Failed
T163	SCORE-04: Score summary screen is displayed after session [S3]	Passed
T164	SCORE-05: Score and feedback stored and later viewable [S3]	Passed
T165	SCORE-06: Incorrect scoring configuration does not crash app [S4]	Skipped

#### 6. Performance & Stability (6)

Checks that the VR application remains responsive and stable over longer sessions, and that key actions like login and scenario loading complete within acceptable time limits.

ID	Title	Status
T166	PERF-01: VR session remains stable for 20-minute run [S4]	Passed
T167	PERF-02: Login and main menu load within acceptable time [S4]	Passed

T168	PERF-03: Scenario loads within acceptable time [S4]	Failed
T169	REG-01: Wiring simulation still works after later changes [S3]	Failed
T170	REG-02: Authentication still works after later changes [S3]	Passed
T171	REG-03: Scores still stored correctly after optimizations [S4]	Skipped

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Report: Runs (Summary), by Gurock Software (Version 1)