## Test Suite: Terminal Session — Positive Scenarios

| № | testCase | Env | Data | Preconditions | Steps | ER | Status | Notes |
|---|----------|-----|------|---------------|-------|-----|--------|-------|
| 1 | Verify Terminal Session Start | Terminal | | Terminal is powered on and ready for use | Open the terminal / start a session | The session starts; timer is set to 60 seconds | Passed | |
| 2 | Verify Warning Appears 10 Seconds Before Session Ends | Terminal | | Session is active | Do not perform any actions for 50 seconds | A warning appears on the screen; countdown timer shows 10 seconds remaining | Passed | |
| 3 | Verify Session Ends on Timeout | Terminal | | Warning is displayed | Do not perform any actions until the timer expires | The session automatically ends after 60 seconds | Passed | |
| 4 | Verify Session Extends on Activity Before Warning Appears | Terminal | | Session is active | Perform an action press a button around the 30th second | Timer resets; session duration is extended to 60 seconds | Passed | |
| 5 | Verify Session Extends After Warning Appears | Terminal | | Warning is displayed (around 50th second) | Perform an action (e.g., press a button / enter a command) | Timer disappears; countdown resets to 60 seconds | Passed | |
| 6 | Verify Warning Reappears After Second Inactivity Period | Terminal | | Timer was previously reset by activity | Do not perform any actions for 50 seconds | Warning appears again; countdown shows 10 seconds remaining | Passed | |
| 7 | Verify Session Remains Active With Regular Activity | Terminal | | Session is active | Perform actions every ≤ 50 seconds | Session remains active; timer never reaches zero | Passed | |
| | | Terminal | | | | | | |

## Test Suite: Terminal Session — Negative Scenarios

| № | testCase | Env | Data | Preconditions | Steps | ER | Status | Notes |
|---|----------|-----|------|---------------|-------|-----|--------|-------|
| 8 | Verify Timer Does Not Appear Too Early | Terminal | | Session is active | Wait for less than 50 seconds | Timer should not appear too early | Passed | |
| 9 | Verify Timer Disappears After Activity | Terminal | | Timer is displayed | Perform an action | Timer should disappear; countdown should reset | Passed | |
| 10 | Verify Session Does Not End Early | Terminal | | Session is active | Measure session duration | Session should not end before 60 seconds | Passed | |
| 11 | Verify Session Behavior During Power Loss | Terminal | | Session is active | Simulate power loss | After recovery, terminal should prompt to start a new session | Passed | |
| 12 | Verify Session Behavior During Network Loss | Terminal | | Session is active | Simulate network loss | Session should not continue; error message should appear; new session should not start automatically | Passed | |