

Final Test Report Summary - Equipment Checkout System (ECS)

Test Date: April 15, 2025

Tester: Team Member A

Test Report ID: TR-EC-001

Test Case ID: TC-EC-001 **Summary:** Equipment checkout completed within expected time, updated database successfully.

Assessment: Passed

Incident Description:

- **Inputs:** Employee ID: 100, Equipment ID: 50
 - **Expected Result:** Checkout confirmation in < 2 minutes; DB status = "Checked Out"
 - **Actual Result:** Checkout completed in under 2 minutes; DB correctly updated
 - **Step Revealing Defect:** N/A
 - **Anomalies:** None
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Test Report ID: TR-SCE-002

Test Case ID: TC-SCE-002 **Summary:** Skill classification enforcement prevented unauthorized checkout as expected.

Assessment: Passed

Incident Description:

- **Inputs:** Employee ID: 20, Equipment ID: 100 (Forklift)
 - **Expected Result:** Checkout blocked
 - **Actual Result:** Blocked with correct error message
 - **Anomalies:** None
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Test Report ID: TR-EL-003

Test Case ID: TC-EL-003 **Summary:** Equipment loss report generated successfully.

Assessment: Passed

Incident Description:

- **Inputs:** Loss Report generation
 - **Expected Result:** Report generated from DB
 - **Actual Result:** Accurate data retrieved
 - **Anomalies:** None
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Test Report ID: TR-PTS-004

Test Case ID: TC-PTS-004 **Summary:** Unauthorized equipment checkout blocked based on skill level.

Assessment: Passed

Incident Description:

- **Inputs:** Checkout attempt on restricted equipment
 - **Expected Result:** System denial
 - **Actual Result:** Access blocked as expected
 - **Anomalies:** None
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Test Report ID: TR-PTS-005

Test Case ID: TC-PTS-005 **Summary:** Equipment records now retrieve within acceptable timeframe.

Assessment: Passed

Incident Description:

- **Inputs:** Employee/equipment ID for record fetch
 - **Expected Result:** <5s response
 - **Actual Result:** Returned in 2.1 seconds
 - **Anomalies:** None
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Test Report ID: TR-PTS-006

Test Case ID: TC-PTS-006 **Summary:** Transaction report generated correctly.

Assessment: Passed

Incident Description:

- **Inputs:** Generate report for employee
 - **Expected Result:** Correct data in <5s
 - **Actual Result:** Delivered in 4.6 seconds
 - **Anomalies:** None
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Test Report ID: TR-PTS-007

Test Case ID: TC-PTS-007 **Summary:** Overdue/lost equipment report generated as expected.

Assessment: Passed

Incident Description:

- **Inputs:** Trigger Overdue Report
 - **Expected Result:** Accurate report
 - **Actual Result:** Correct
 - **Anomalies:** None
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Test Report ID: TR-PTS-008

Test Case ID: TC-PTS-008 **Summary:** Notification system logged all actions with complete metadata.

Assessment: Passed

Incident Description:

- **Inputs:** Employee with overdue equipment
- **Expected Result:** Email sent and logged
- **Actual Result:** Email sent with full metadata; DB log entry complete
- **Anomalies:** None

Test Report ID: TR-PTS-009

Test Case ID: TC-PTS-009 **Summary:** Order notification system sent correctly formatted alerts.

Assessment: Passed

Incident Description:

- **Inputs:** Simulated equipment order arrival
 - **Expected Result:** Email received in <5 min
 - **Actual Result:** Received in 2 min, properly formatted
 - **Anomalies:** None
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Test Report ID: TR-PTS-010

Test Case ID: TC-PTS-010 **Summary:** Periodic transaction statement delivered at correct scheduled time.

Assessment: Passed

Incident Description:

- **Inputs:** Simulate monthly trigger
- **Expected Result:** Transaction list to EMP1001 by 9:00 AM
- **Actual Result:** Delivered at 8:57 AM
- **Anomalies:** None