

# Sprint 04 Payment Integrity & Quality Report

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Startup Simulation

Sprint 04 – Payments & Checkout Controls

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Prepared By: QA- SH (Representative Report)

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## Approvals

Role	Name	Signature	Date
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Engineering Lead	_____	_____	_____
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## Revision History

Date	Version	Author	Description
February 14, 2026	1.0	QA - SH	Filled report aligned to Payment Integrity Control Protocol (portfolio simulation)

## 1. Sprint Overview

**Sprint Goal:** Validate checkout/payment integration, prevent revenue-impacting inconsistencies, and ensure order/payment state alignment.

**Critical focus:** payment-to-order consistency, redirect to payment from orders, and correct paid/unpaid status behavior.

## 2. KPI Summary

Metric	Value
Payment-related defects (snapshot)	4
Severity (Critical / Medium / Low)	2 / 1 / 1
Payment Risk Index (C×5 + M×3 + L×1 + IntegrityGap)	17

## 3. Controls Validated (Protocol Mapping)

- Idempotency / retry behavior: validated via negative retries (simulated).
- Atomicity: payment marked 'Paid' only when order persisted successfully (target behavior).
- Reconciliation: mismatch/orphan detection required; log review performed (simulated checklist).
- RBAC: refund/void actions restricted to authorized roles (negative checks).

## 4. Key Payment Defects (GitLab Snapshot)

### Payment/Checkout Defects

ID	Title	Module	Severity	State/Disposition
#37	Unpaid status cannot be selected for an Order in POS	Users	Medium	Open / scheduled
#74	Incomplete payments are registered as "Paid" in POS--> "Create an Order"	POS	Low	Open / scheduled
#75	Added item with +Add button in New Orders does not ask or redirect to payment details 1	POS	Critical	Open / scheduled
#76	Added item with +Add button in Scheduled does not ask or redirect to payment details	POS	Critical	Open / scheduled

## 5. Release Readiness Impact

Recommendation: NO-GO (until critical payment defects closed)

Blockers / required actions:

- Fix and verify critical redirect/payment state issues in staging rehearsal.
- Run reconciliation exception checks to confirm no orphan payments.
- Re-run end-to-end critical flow regression (Login→POS→Pay→Order Complete→Report).