EXECUTIVE SUMMARY

QA Process Framework – DemoOps Backoffice (Oh-Dish Simulation)

Project Overview

This project demonstrates a structured, end-to-end Quality Assurance governance framework for a simulated SaaS backoffice platform. It models enterprise-grade validation practices aligned with SDLC standards, risk-based planning, and release readiness controls.

Scope of Validation

- Users & Roles – RBAC, permission matrix validation, lifecycle restrictions, CRUD with boundary testing
- POS Module – Order workflow, categorization (Dine-In/Takeout/Delivery/Pickup), discount & payment logic, kitchen integration
- Orders Module – Status transitions (New $\rightarrow$ Processing $\rightarrow$ Ready $\rightarrow$ Completed $\rightarrow$ Scheduled), workflow integrity, search/filter/refund logic

QA Methodologies Applied

- Boundary Value Analysis
- Decision Table Testing
- State Transition Testing
- Positive & Negative Functional Testing
- Integration Testing (Users $\leftrightarrow$ POS $\leftrightarrow$ Orders)
- Risk-Based Test Planning & Regression Strategy

Test Coverage Snapshot

- 158 Structured Test Cases
- Multi-Build Execution Modeling
- Defect Lifecycle Simulation

- 95%+ Target Pass Ratio
- Execution Effort Estimation (Hours & Days)

Governance & Risk Modeling

This framework demonstrates structured QA ownership, end-to-end SDLC understanding, requirement validation discipline, risk identification & mitigation mapping, and release readiness evaluation.

Confidentiality Statement

All system mockups and documentation artifacts are simulated representations created solely for portfolio demonstration purposes. No proprietary or production system information is included.

Author

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