**SQAP**

(Software Quality Assurance Plan)

Product: Point of Sale System

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Prepared For: Retail Customer

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**Revision History**

**Github:** <https://github.com/Austidav59/2025-Winter-CSE474-CMLib-austin.davis>

**v0.0.1 -15 January 2025 – New Beginnings**

* created the initial draft of the SQAP document
* generated a title page with required content
* generated a revision page for housing these change notes
* generated a Table of Contents (TOC)
* generated stubs per the outline given in IEEE 730-2014

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**Section 1: Introduction**

**Purpose**

This Software Quality Assurance Plan (SQAP) is here to show how we plan to make sure the "Point of Sale System" (POS) software is high quality. Basically, we want to make sure it works well and meets all the requirements for retail stores.

**Scope**

The "Point of Sale System" is supposed to make things easier for stores by combining stuff like inventory, sales, and reports into one system. This plan covers everything we’ll do to make sure the software works right, from the start of the project to when it’s finished and being used.

**Objectives**

* Explain the steps and responsibilities for making sure the POS system is good quality.
* Set up ways to measure and check the software’s quality.
* Make sure we stick to the "Point of Sale System" Concept of Operations (CONOPS) and the contract.

**References to CONOPS and Contract**

This plan is based on:

* The Concept of Operations (CONOPS) for the POS system, which explains how the system should work and what users expect.

**Section 2: Definitions**

1. **API (Application Programming Interface):** A set of tools, protocols, and definitions that allow different software systems to communicate and work together. For example, when you use an app to check the weather, it might use an API to pull data from a weather service.
2. **POS (Point of Sale):** A combination of hardware and software used by retail stores to manage transactions. It helps process payments, track inventory levels, and generate sales reports, making store operations smoother and more efficient.
3. **QA (Quality Assurance):** A systematic approach to ensure a product meets defined standards and requirements. This includes testing, reviews, and inspections to identify and fix any issues before the software is released.

**Section 3: References**

* IEEE 730-2014 - IEEE Standard for Software Quality Assurance Processes.
* Concept of Operations (CONOPS) for the "Point of Sale System."
* Fictitious Contract: Contract #POS12345.
* Company Quality Management Guidelines (some internal doc).