Statement of Work

Invoice Rate Detection System

Client: Southern Safety Supply
Vendor: Clarity Business Solutions
Date: July 16, 2025
Project Value: $1,750 USD
Timeline: 3-4 business days

Project Overview

Development of an enhanced CLI-based invoice validation system with master parts database integration for automated detection of pricing anomalies and invoice format validation.

Scope of Work

1. Enhanced CLI Application

- PDF invoice processing with price validation (against master lookup table) and line count validation (SUBTOTAL, FREIGHT, TAX, TOTAL sequence)

- Complete CRUD (Create, Read, Update and Delete) interface for parts management
- Interactive part discovery during invoice processing
- Batch processing with unknown part collection
- Enhanced reporting with anomaly categorization

2. SQLite Database System

- Master parts table with full schema implementation
- Configuration management system
- Part discovery audit trail
- Database backup (local) and restore functionality

3. Validation Engine

- Price comparison against master lookup table
- Line count validation (SUBTOTAL, FREIGHT, TAX, TOTAL sequence)
- Comprehensive anomaly detection and classification
- Error handling with graceful degradation

4. Enhanced Reporting

- CSV reports organized by invoice number
- Anomaly categorization by type and severity

- Processing statistics and performance metrics

5. Documentation Package

- Installation and setup guide
- Complete CLI command reference
- User workflow documentation
- Troubleshooting guide

6. Testing Suite

- Unit tests for all core components (>80% coverage)
- Integration tests for end-to-end workflows
- Sample invoice data for validation
- Test coverage reports

Deliverables

1. **Executable Application**: Windows-compatible Python application with CLI interface
2. **Database Schema**: SQLite database with complete table structure and indexes
3. **Source Code**: Complete source code with version control history
4. **Test Suite**: Comprehensive testing framework with sample data
5. **Documentation**: User guides, technical documentation, and

API reference
6. **Installation Package**: Ready-to-deploy package with dependencies

Technical Specifications

- **Platform**: Windows 10/11 compatible
- **Language**: Python 3.8+
- **Database**: SQLite3
- **PDF Processing**: pdfplumber library
- **Data Processing**: pandas
- **Testing**: pytest framework

Client Responsibilities

1. Provide sample PDF invoices for testing and validation
2. Review and approve deliverables within 2 business days of submission
3. Provide feedback on functionality during development checkpoints
4. Designate primary contact for project communications

Vendor Responsibilities

1. Deliver all components according to specifications
2. Provide progress updates as requested
3. Conduct system testing and validation
4. Provide post-delivery support for 30 days

Payment Terms

- **Total Amount**: $1,750 USD
- **Payment Schedule**: Net 10 upon delivery and acceptance
- **Currency**: USD
- **Method**: Invoice payment

Acceptance Criteria

System will be considered complete and acceptable when:

1. All deliverables are provided and functional
2. System processes sample invoices without errors
3. Database operations perform within specified parameters
4. Documentation is complete and accurate
5. Test suite passes with >80% coverage

Timeline

- **Project Start**: Upon signed agreement
- **Development Duration**: 3-4 business days
- **Delivery Date**: Within 4 business days of project start
- **Acceptance Period**: 2 business days post-delivery

Support and Warranty

- **Warranty Period**: 30 days from acceptance
- **Support Scope**: Bug fixes and functionality issues

- **Response Time**: 1 business day for critical issues
- **Exclusions**: Feature enhancements and scope changes

Change Management

Any changes to scope, timeline, or deliverables must be:

1. Requested in writing
2. Mutually agreed upon
3. Documented in a change order
4. May result in additional costs and timeline adjustments

Authorized Signatures:

Client:
Name: _____
Title: _____
Date: _____

Vendor:
Name: _____
Title: _____
Date: _____