# Software Requirements Specification

# For

# **Invoice App**

## Version 1.0

Prepared by Pankaj Shrikant Dhoran  
Organization: SGGS  
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### 1. Introduction

#### 1.1 Purpose

This document defines the software requirements for the Invoice App, developed using the Odoo platform. The document outlines the features, interfaces, and constraints for the system.

#### 1.2 Document Conventions

This document follows standard SRS conventions where higher-level requirements inherit priority unless otherwise specified.

#### 1.3 Intended Audience and Reading Suggestions

This document is intended for developers, project managers, end-users, and testers involved in the Invoice App's development and deployment. Start with the overall description and system features for a general understanding.

#### 1.4 Project Scope

The Invoice App automates the creation and management of invoices, integrates payment systems, and generates reports for business analysis.

#### 1.5 References

* Odoo Documentation
* Industry Invoice Standards

### 2. Overall Description

#### 2.1 Product Perspective

The app is a module built on Odoo, leveraging existing functionalities for user management, accounting, and payments.

#### 2.2 Product Features

* Invoice creation and customization
* Managing unpaid, paid, and overdue invoices
* Payment gateway integration
* Reporting and analytics on invoices

#### 2.3 User Classes and Characteristics

* Administrators: Full access to manage the system.
* Accountants: Focus on financial data and reports.
* Customers: View and pay invoices online.

#### 2.4 Operating Environment

* Odoo platform (version X.X)
* Supported on web browsers (Chrome, Firefox)
* Linux or Windows server environments

#### 2.5 Design and Implementation Constraints

The app must adhere to Odoo’s module framework and use Odoo-supported technologies for implementation.

#### 2.6 User Documentation

A user manual and online help will be provided with the app, detailing how to use the invoice creation, management, and reporting features.

#### 2.7 Assumptions and Dependencies

The app assumes integration with a specific payment gateway and Odoo's accounting module.

### 3. System Features

#### 3.1 Feature 1: Invoice Creation

Description and Priority: High-priority feature allowing users to generate invoices based on sales orders.  
Stimulus/Response Sequences: Users input sales order data, and the system generates a PDF invoice.  
Functional Requirements:

* REQ-1: Allow invoice creation from sales orders.
* REQ-2: Provide customizable invoice templates.

#### 3.2 Feature 2: Invoice Management

Description and Priority: High-priority feature for tracking invoice statuses (paid, unpaid, overdue).  
Stimulus/Response Sequences: Users can mark invoices as paid, unpaid, or overdue.  
Functional Requirements:

* REQ-1: Track payment status in real-time.
* REQ-2: Notify users about overdue invoices.

#### 3.3 Feature 3: Payment Integration

Description and Priority: Medium-priority feature for integrating with online payment gateways.  
Stimulus/Response Sequences: Users receive a payment link to pay invoices online.  
Functional Requirements:

* REQ-1: Support multiple payment gateways.
* REQ-2: Provide secure payment processing.

#### 3.4 Feature 4: Reporting & Analytics

Description and Priority: Medium-priority feature to generate insights from invoice data.  
Stimulus/Response Sequences: Users select reporting periods and view summary statistics.  
Functional Requirements:

* REQ-1: Generate reports for unpaid and overdue invoices.
* REQ-2: Visualize data using charts.

### 4. External Interface Requirements

#### 4.1 User Interfaces

* Web-based UI for invoice creation and management.
* Mobile-friendly dashboard.

#### 4.2 Hardware Interfaces

* Supports standard servers for Odoo deployment.

#### 4.3 Software Interfaces

* Integration with Odoo’s accounting module.
* APIs for payment gateway integration.

#### 4.4 Communications Interfaces

* HTTP/HTTPS for web-based transactions.

### 5. Other Nonfunctional Requirements

#### 5.1 Performance Requirements

The system should handle up to 500 simultaneous invoice generation requests with response times under 2 seconds.

#### 5.2 Safety Requirements

Ensure data backup and recovery for all invoices generated.

#### 5.3 Security Requirements

Data encryption is required for all financial transactions. User authentication is necessary for invoice access.

#### 5.4 Software Quality Attributes

* Reliability: 99.9% uptime
* Usability: Easy-to-use interface with minimal training required.

### 6. Other Requirements

None identified at this time.

Appendices  
Appendix A: Glossary (e.g., Invoice, Payment Gateway, Odoo)  
Appendix B: Analysis Models (Include diagrams if applicable)  
Appendix C: Issues List (Track any unresolved issues)