

ERP for PROIM S.A.S.: Project

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General Definition of the Software Project

Project Title: ERP Development for PROIM S.A.S.

Project Overview: The objective of this project is to develop an Enterprise Resource Planning (ERP) system for PROIM S.A.S., a company operating in the industrial sector. This ERP system will streamline the company's operations, improve data management, and optimize processes across all departments.

Target Areas:

- Purchases/Inventory
- Clients/Suppliers
- Human Resources/Payroll
- Accounting
- Sales/Projects



Problem Definition

Manual Processes

Operations are carried out manually or with disconnected tools, leading to loss of critical information.

Project Management :

Disorganization in project management causes delays and difficulty in meeting delivery deadlines.

Inventory Management

Lack of efficient control over inventory and purchases leads to material shortages and delays.

Accounting Delays

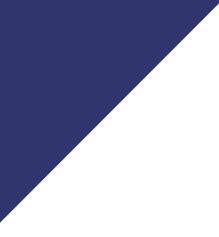
Late billing and accounting management increase financial risks and hinder strategic decision-making.

Human Resources Issues

The absence of a structured HR system complicates payroll processing, attendance tracking, and employee management.

Proposed Solution

ERP Solution: The proposed solution is to develop a comprehensive ERP system that will automate and optimize the company's key processes. The system will centralize information, enhance data accessibility and security, and provide detailed reporting and analytics.



Key Benefits:

Process Automation: Reduce repetitive tasks and manual errors.

Data Centralization: Improve data consistency and avoid information loss.

Workflow Optimization: Streamline operations across all departments.



Financial Control:

Generate detailed financial reports and real-time analysis for better decision-making.

Customer and Supplier Relations: Enhance communication and order tracking.

Initial Specification of Requirements

A. Background

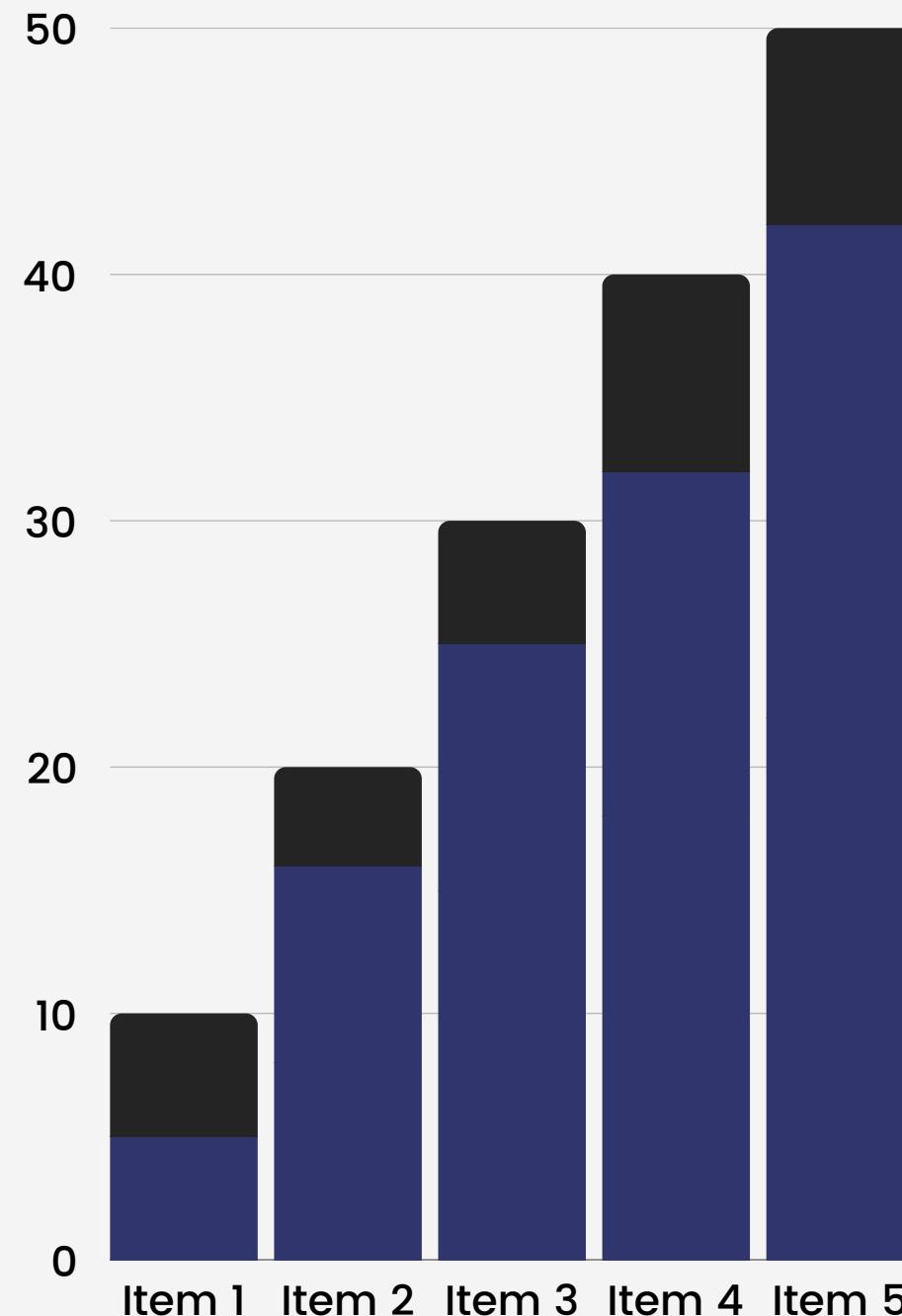
Industry Sector: PROIM S.A.S. operates in the design, manufacturing, and assembly of industrial structures, focusing on customized solutions for its clients.

Key Processes:

Engineering design

Manufacturing of metal structures

Industrial assembly in sectors such as construction, energy, and manufacturing



Project Management:

**Comprehensive management from planning to execution,
ensuring quality, compliance, and resource optimization.**

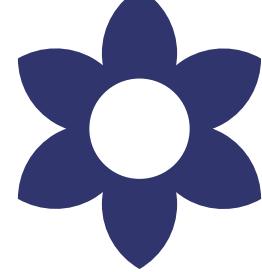
**Material Control: Efficient inventory, purchase, and
logistics management to ensure material availability at
every project stage.**

Functional Requirements

Purchases/Inventory:

- Manage purchase orders.
- Real-time inventory control.
- Supplier transaction history.
- Inventory reports and alerts.





Clients/Suppliers:

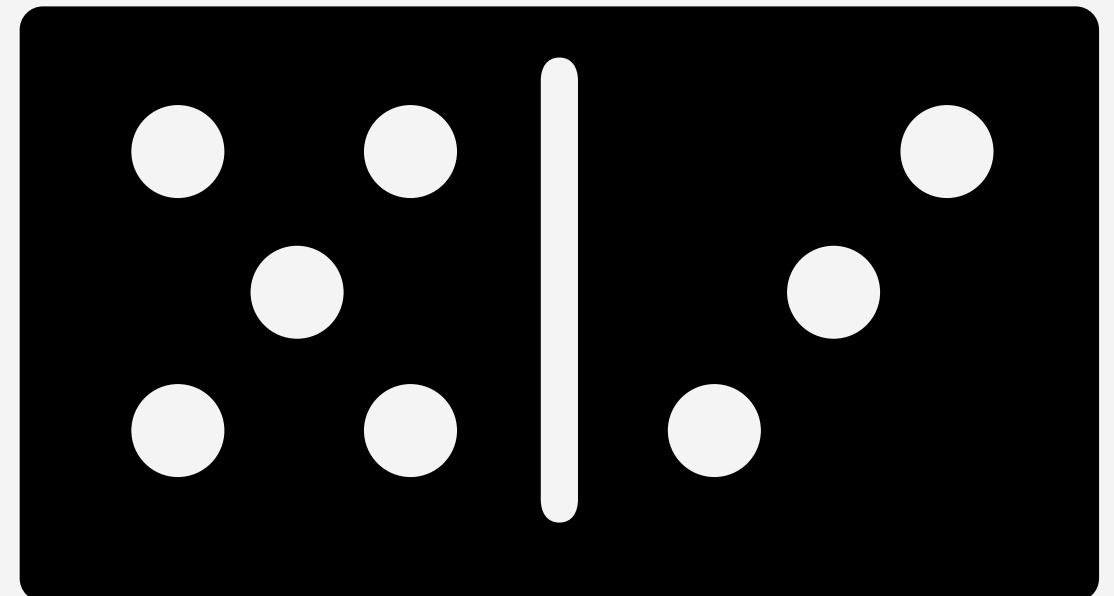
Client and supplier information management.
Invoice management and payment tracking.
Order and transaction tracking.
Reporting and search functionality.

Human Resources/Payroll:

- Employee data management.
- Attendance tracking.
- Automated payroll calculation.
- Performance and attendance reports.

Accounting:

- Record financial transactions.
- Cash flow control and balance reports.
- Electronic invoicing and accounts receivable management.
- Auditing capabilities.



Sales/Projects:

Quotation management.

Project tracking and resource allocation.

Cost control and project performance reports.

Deadline tracking and alerts.

Integration:

Centralized data sharing across all modules.

Custom report generation and export options.

Non-Functional Requirements

1. **Performance:** The system must be fast and support multiple users simultaneously.
2. **Security:** Ensure data protection with secure authentication and access controls.
3. **Availability:** High availability with regular data backups.
4. **Usability:** Intuitive and user-friendly interface.



4.Compatibility: Operate on various devices and operating systems.

5.Maintainability: Enable updates and improvements without affecting functionality.

6.Compliance: Adhere to legal regulations and industry standards.



D. System Scope

The ERP will include the following key modules:

- 1. Purchases/Inventory:** Manage purchase orders, inventory control, supplier records, and reports.
- 2. Clients/Suppliers:** Register and manage clients/suppliers, invoices, and transactions.

3.Human Resources/Payroll:
Employee management,
attendance tracking, payroll
calculation, and HR reporting.

4.Accounting: Financial record
management and report
generation.

5.Sales/Projects: Quotation
management, project tracking, cost
control, and performance reports.



Conclusion

The proposed ERP for PROIM S.A.S. will enhance operational efficiency, improve decision-making, and provide a solid foundation for the company's sustainable growth in a competitive market.