

Graduation Project Proposal Form

1. Project Information

- **Project Title:** BG30 (BUSINESS GROUP 30)
- **Course/Track:** ERP SCM (ENTERPRISE RESOURCE PLANNING- SUPPLY CHAIN MANAGEMENT)
- **Team Members:**

Name	Prompt
Ahmed Mohamed Wael	A.Yassin
Hazem Hamdy Rabie	Hazem

2. Project Overview

- **Objective:** To streamline the building process by offering a comprehensive **one-stop shop** for construction services and materials, enhancing efficiency and customer experience.

Scope of Work:

Phase 1: Establish a system to manage all stages of building contractors. This includes procuring building materials such as sand, concrete, paints, and tiles at wholesale prices, storing them in warehouses, and selling them to customers. Additionally, offer architectural and design services, including blueprints and other specialized designs, to support construction projects.

Phase 2 (depending on mega phase nomination): Develop a mobile application that showcases product photos, facilitates online ordering and payments (via platforms like PayPal, bank transfers, etc.), and integrates seamlessly with ERP systems.

Expected Outcomes:

Phase 1

- ☐ **Streamlined Building Process:** Simplified access to construction materials and services, reducing the time and effort required by contractors and customers.
- ☐ **Increased Efficiency:** Optimized procurement, storage, and sales operations through an integrated system, ensuring timely delivery and effective inventory management.
- ☐ **Enhanced Customer Satisfaction:** A user-friendly one-stop shop and mobile app providing easy access to products, designs, and online payment options.
- ☐ **Cost Savings:** Economies of scale achieved by purchasing materials at wholesale prices and offering competitive pricing to customers.
- ☐ **Revenue Growth:** Expansion into value-added services like architectural designs and digital sales channels leading to increased profitability.

Phase 2 (depending on mega phase nomination)

- ☐ **Improved Business Reach:** The mobile app facilitates digital presence, attracting a broader audience and enabling seamless order management and payment.

- **Streamlined Collaboration:** ERP integration allowing real-time response to RFQs, improving relationships and trust with qualified clients.

3. Problem Statement

The construction and building process often involves complex and fragmented workflows, with customers needing to **coordinate between multiple suppliers, service providers, and financial transactions**. This leads to **inefficiencies, higher costs, delays, and limited transparency** in accessing materials and services. Furthermore, the lack of a centralized platform that integrates material procurement, design services, and digital sales channels makes it difficult for customers to streamline their projects effectively.

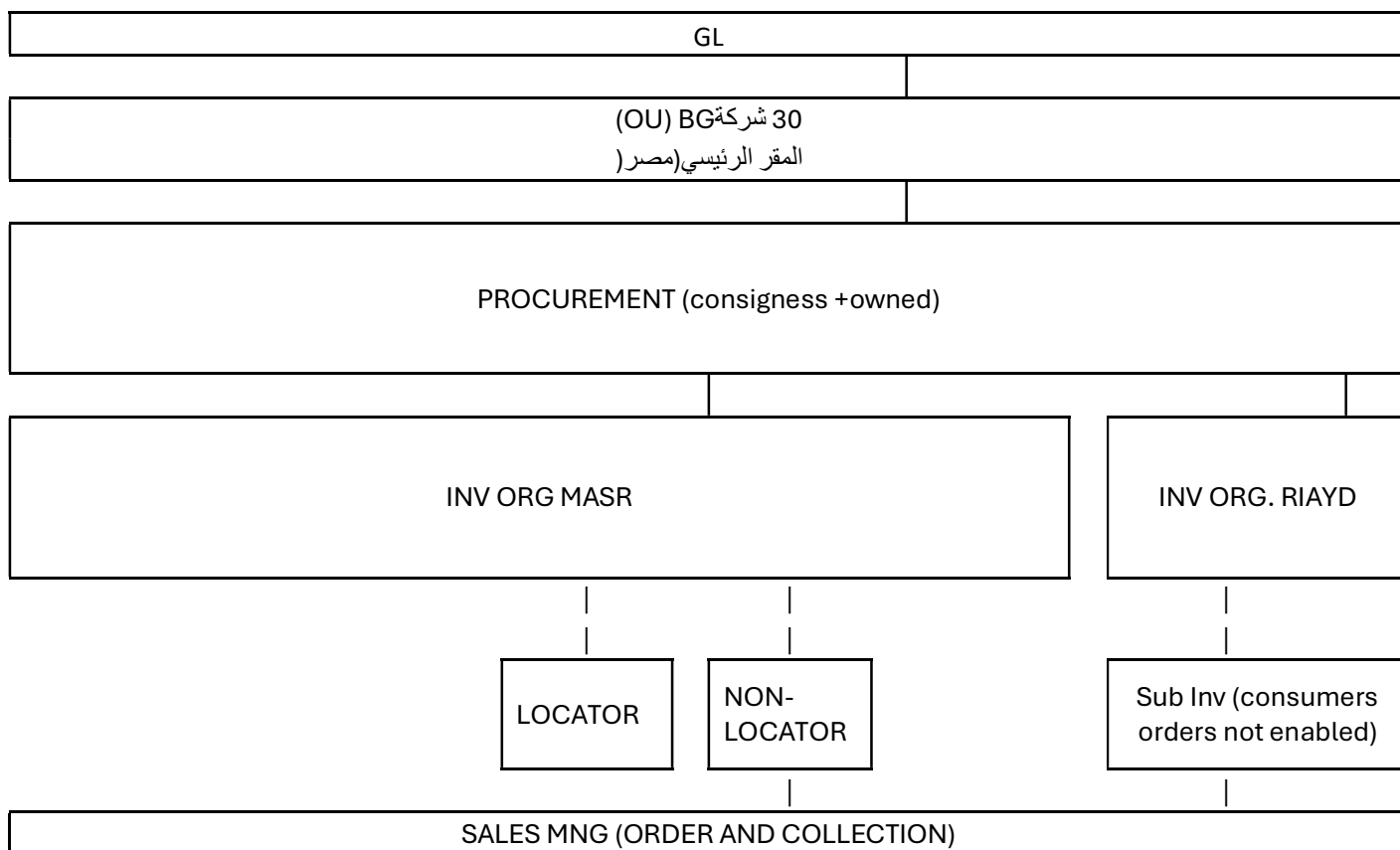
By addressing these challenges, there is a clear opportunity to simplify the building process, reduce inefficiencies, and provide a seamless, one-stop solution for customers and contractors alike.

4. Proposed Solution

- **Technologies Used:**

Oracle Enterprise Resource Planning (ERP)
Oracle Database Management
Oracle Cloud Procurement and RFQ Automation

- **System Architecture:**



5. Resources Needed

- **Hardware:**

Cloud-based servers using Oracle Cloud
Workstations and Laptops

Networking Equipment
Backup Systems

- **Software:**
 - Oracle Enterprise Resource Planning (ERP)
 - Oracle Database Management
 - Oracle Cloud Procurement and RFQ Automation
 - EXCEL
 - WORD
 - POWERPOINT

6. Approval

- **Instructor/Advisor:**
- **Signature:**