

DCCO



FINVORY



Second Semester

Team 4 “The POOver Rangers of Programming”

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Feature 1: Inventory Management

Description: Focuses on the physical control, location, and persistence of products throughout their lifecycle, including returns and deletions.

- **Data Logging:** Implement the creation of products, suppliers, and customers, each with the corresponding data management. Each customer has a specific type of discount that will be applied at the time of purchase
- **Inventory Location:** Assign specific locations for each inventory to ensure that the user can find the location of products efficiently
- **Obsolete Inventory Management:** Systematically handles returned items (defective or incorrect purchases) in a temporary status until reassignment or disposal.
- **Logical Record Preservation:** Ensures that deleted products remain in the database with a stock of 0 to preserve historical data instead of permanent removal.

Feature 2: Billing

Description: Manages the core sales logic, including multi-tier pricing, automated invoicing, and tax compliance.

- **Automated Client Indexing:** Enables searching for clients by name, RUC, or business name to auto-fill invoice data.
- **Multi-Tier Pricing Logic:** Allows the Company Account to assign and modify three different price points per product based on buyer benefits.
- **I Payment method selection:** It consists of multiple payment methods, including cash, bank transfers, and checks, so you can choose how the invoice was paid
- **Dynamic Tax Configuration:** Allow the entry and updating of the tax (VAT) to automatically perform the corresponding calculations

Feature 3: Reports

Description: Process sales data using automated revenue tracking.

- **Real-time revenue monitoring:** Automatically calculates cumulative gross revenue (TotalGrossProfile) and daily revenue (TotalGrossDay).
- **Stakeholder performance reports:** Analyze the frequency of purchase and sale for suppliers and customers respectively and generate a report corresponding to each group
- **Export Options:** For user convenience the option is given to export the reports either to a CSV or a PDF as requested
- **Filtering:** To guarantee current data, the system offers a filtering option by dates for each report, so that the user can generate reports of different dates without any complication
- **Sales trend analysis:** Allows the identification of the most demanded products to facilitate decision-making by the user

Feature 4: Personal Accounts and Profiles

Description: Ensures a personalized and secure experience for personal account users, allowing identity management and efficient exploration of registered businesses.

- **Profile Customization:** Users can set up their personal profiles, including uploading a photo, names, preferences, and contact details to establish a unique identity within the system.
- **Information Viewing and Updating:** Provides a dedicated management panel where users can view their current data and perform real-time updates directly from the profile interface.
- **Business Search for Personal Accounts:** Personal account users can search for and view companies registered in the system, accessing their available product catalogs instantly.
- **Secure Price Visibility:** To protect strategic data, the system hides the three internal price types associated with each product, displaying only the information necessary for availability verification.
- **Direct Business Communication:** Enables direct contact with registered companies via WhatsApp through a dedicated contact button, facilitating fast and efficient communication between users and businesses.