Functional Requirements

#### **User Access Management and Registration**

* The system must have a master user for the Developer to manage the online store.
* Multiple user roles/permissions must be allowed (access to reports, registrations, invoices, etc.). >> **Groups Permission Definition**
* Users must be linked to the company they work for.
* Login and password are mandatory for users.
* Passwords must be encrypted in the database.
* Validation of duplicate CPF, login, and email when registering a user.
* Password change is mandatory every 90 days.

#### **Company Registration**

* When registering a new company, automatically generate the default user and send the details by email.
* The company’s initial user should have full/admin access.
* Validate CNPJ to avoid duplication in the database.
* Required information: CNPJ, corporate name, trade name, responsible person, email, full address, state registration, and category.
* Validate state registration to ensure no duplication.

#### **Product Category Registration**

* Register category description.
* The database should contain default categories.
* Validate category name duplication.

#### **Supplier/Brand Registration**

* Register suppliers with fiscal data: CNPJ, state registration, address, and contact details.
* Validate duplicate CNPJ and name.
* Use external APIs to fetch address and fiscal data.

#### **Product Registration**

* Correct name for the product.
* Unit type: UN, Piece, Kilo, Box, Liter.
* Validate duplicate product names.
* When registering, the product must be associated with a category.
* Product name cannot be less than 10 characters.
* Register images for the product: Resize to 600x800px, maximum size of 1MB.
* Limit of 3 to 6 images.
* Associate the product with a supplier and brand.
* Enter stock quantity and alert when stock is low.
* Register YouTube video for the product.
* Register low stock with alert for replenishment.
* Validate stock before completing a sale.

#### **Customer (Buyer) Registration**

* Mandatory data: Name, CPF, phone number, email, full address (with automatic postal code lookup).
* Login and password are mandatory for customers.
* Authentication via Facebook or Google using OAuth2.

#### **Accounts Receivable**

* Register completed sales and amounts paid.
* Register generated invoices.

#### **Accounts Payable**

* Register invoices from suppliers.
* Mandatory fields: Total amount, discounts, due date, payment method (check, pix, card, boleto).

#### **Sales Process**

* Register basic customer data: name, CPF, email, phone, delivery address (postal code).
* Calculate shipping costs based on customer postal code.
* Include shipping cost in the sale.
* Delivery days informed to the customer.
* Decrease stock after payment authorization via credit card or payment confirmation via boleto.
* Send email notification to the customer with the order number.
* Send sale confirmation email to the store manager.

#### **Sales Items**

* Related to the product.
* Quantity sold is recorded in the database.

#### **Inventory Management/Control**

* Manual stock updates through product registration.
* Automatic stock updates with new purchase invoice entries.

#### **Payment Methods Registration**

* Register payment methods: Check, boleto, card, PIX, transfer.

#### **Sending Offers via Email**

* Use email marketing platforms (e.g., GetResponse) to send up to 2,000 emails for free.

#### **Discount Coupon Registration**

* Description and discount value for each coupon.

#### **Reports**

* **Purchase History**: Report of purchases made with suppliers, with a date range.
* **Sold Products**: Report of products sold, with a date range and filters by description.
* **Invoice**: Send invoice to the customer's email after payment confirmation.
* **Low Stock Reports**: Reports on product replenishment needs due to low stock.
* **Returns/Exchanges**: Record and process product returns and exchanges.
* **Product Reviews**: Customers can rate purchased products, with email notifications sent after product delivery.
* **Cancelled Purchases Reports**: To contact customers and try to finalize cancelled purchases.
* **Abandoned Cart Reports**: To contact customers and complete the purchase.
* **Logistics Integration**: Use logistics API (e.g., Correios) for freight calculations and delivery times.
* **Featured Products Reports**: Most clicked, most purchased, and most favorite products.
* **Customer Service (SAC)**: Display contact details on the website.

#### **Cash Flow**

* Cash opening and closing.
* Mapping of sales by region.
* Reports by brand.
* Loyalty bonus for customers.

#### **Best Shipping (Melhor Envio)**

* Research integration with the Melhor Envio platform for freight optimization.