

PharmaERP

Full reference for every module

Multi-branch pharmaceutical wholesale ERP — real accounting, FEFO lots, compliance



our technology at your hand

Version 1.0 — Phase 8

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1. Introduction

PharmaERP is a multi-branch ERP for pharmaceutical wholesale companies. Every business document — from a purchase request to a sales receipt — posts to a real double-entry general ledger, so financial statements are always reconciled with operational data.

Modules at a glance

Module	What it covers
Masters	Items with multiple units of measure, price lists, customers, suppliers
Inventory	Stock lots with expiry, FEFO issuing, quarantine & QC, full movement history
Purchasing	PR -> PO -> GRN (with QC + landed cost) -> supplier invoice -> payments -> returns
Sales	Invoices (cash / credit), receipts, returns, AR ageing, customer statements
Expenses	Per-category, per-cost-center expenses with GL posting
Compliance	Narcotics register (append-only, dual authorization), recalls with customer trace
Accounting	Chart of accounts, journal browser, trial balance, balance sheet, GL report
Reports	Dashboard KPIs, P&L, near-expiry
HR add-ons (optional)	Personnels, salaries with payroll -> GL posting, rosters

Users and roles

Access is role-based: every route requires a permission, and menu entries only appear for plugins you can use. The seeded Super Admin holds every permission. Compliance gates (such as issuing controlled medicines) always require a second authorized user — a super-admin is never silently exempt.

2. Installation and first login

Requirements

- PHP 8.2 or newer (8.3+ recommended) with PDO, mbstring, and Sodium or OpenSSL
- Either MariaDB/MySQL 10.11+ (production) or the bundled SQLite demo mode
- The vendor/ dependencies folder shipped in the package
- A web server / hosting that can run PHP (the PHP built-in server works for evaluation)

The installer checks all of this itself and refuses to continue until the required items pass, so a missing extension can never cause a half-broken installation.

Web installation (the normal way)

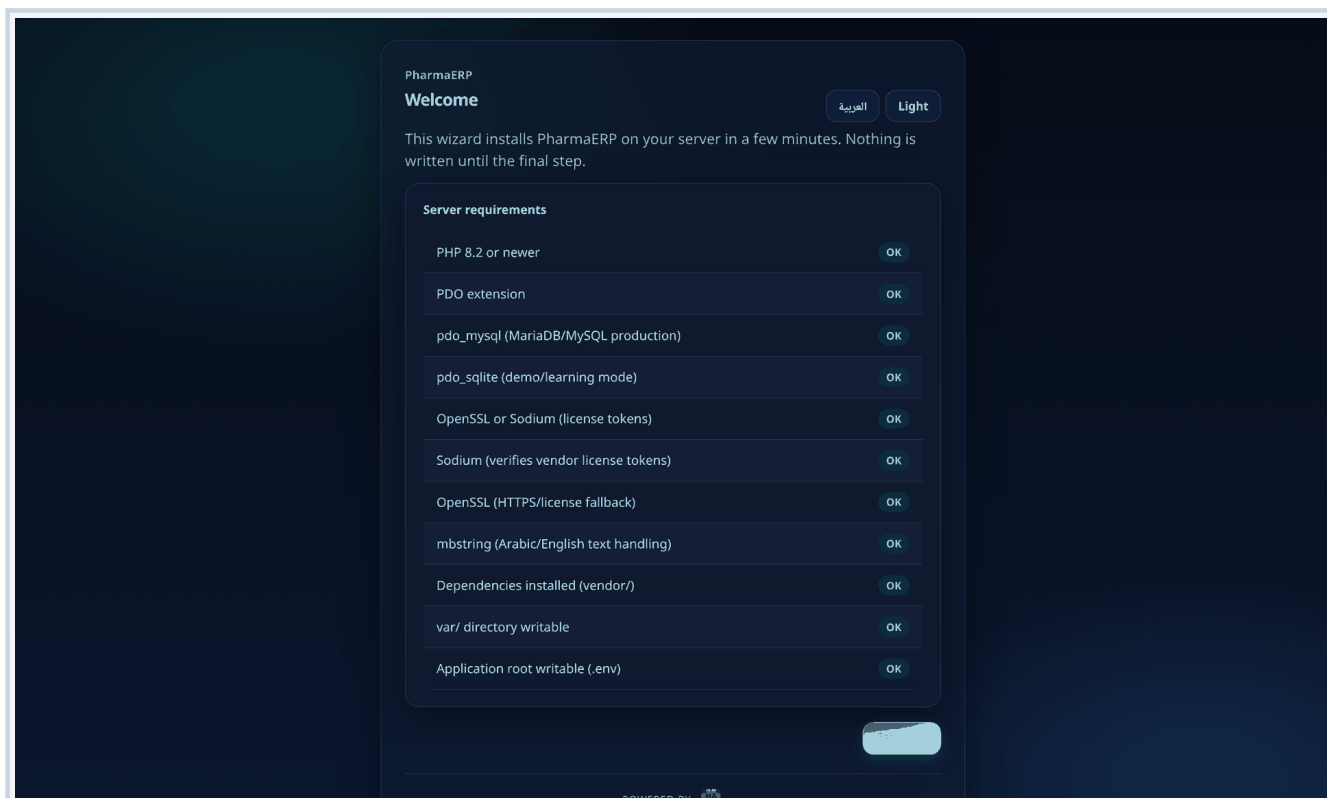
Installing in a sub-folder (no dedicated domain)

The ERP does not need its own domain. On a multi-project localhost (XAMPP) or a shared host, simply unzip the package into a sub-folder of the web root, next to your other projects — for example `htdocs/pharma-erp` for `http://localhost/pharma-erp`, or the `erp` folder for `https://nilepharma/erp`. Open that URL and the installation wizard starts exactly as described above; nothing extra is configured.

The application detects its mount point automatically on every request and prefixes every link, form, redirect, printed logo and cookie with it — any folder name and any nesting depth work, including names with spaces or Arabic words. Session and preference cookies are scoped to the sub-folder, so sibling projects on the same server never clash. The bundled `.htaccess` file serves the CSS and branding images from the internal `public/` folder and keeps private files (`var/`, `.env`, `src/...`) unreachable from the web: they always resolve to the application's 404 page. Both localhost (XAMPP: `mod_rewrite` + `AllowOverride All`, both on by default) and typical shared hosts are supported.

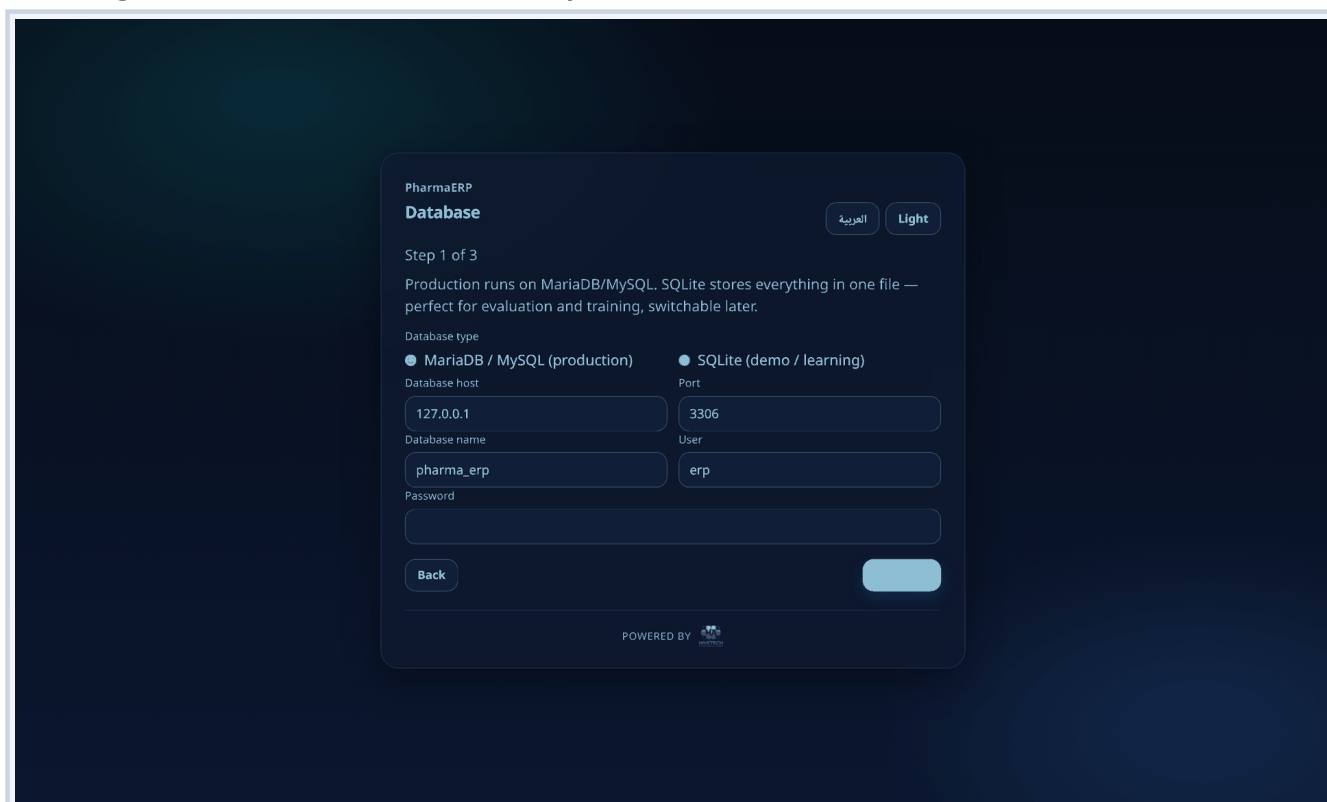
Web installation (the normal way)

PharmaERP installs through its browser wizard, like WordPress: upload the package to your host, open the site URL, and the installer opens automatically. The first screen runs a requirements check — PHP version, PDO, the `pdo_mysql` / `pdo_sqlite` drivers, Sodium (verifies vendor license tokens), OpenSSL, mbstring, folder permissions — and blocks installation until the required items are green.



The installer opens automatically on a fresh upload: server requirements are checked first.

Step 1 - Database: choose MariaDB/MySQL for production (host, port, database name and credentials - the database is created for you if the user has rights) or SQLite for demo and learning. The connection is tested before you can continue.



Database step: MariaDB for production, SQLite for demo/learning - tested on submit.

Step 2 - Company & administrator: enter the company profile - name, address, phone. The company name and logo appear in the sidebar and on every printable document (invoices,

reports, transfer slips); the logo itself can be uploaded later from Settings. Then create the master account (email, display name, a strong password typed twice), pick the interface language and decide whether to load the demo dataset.

PharmaERP

Company & administrator

العربية Light

Step 2 of 3

The company name and logo appear on every printable document. The administrator account has full access — use a strong password, it is the master login of your installation.

Company

Company name * Nile Pharma Wholesale Ltd Phone (optional) +249 11 555 0100

Address (optional) Khartoum, Sudan

The logo can be uploaded later from Settings → Company logo (a simple demo logo is bundled).

Administrator

Display name Super Admin Email admin@pharma.local

Password Repeat password

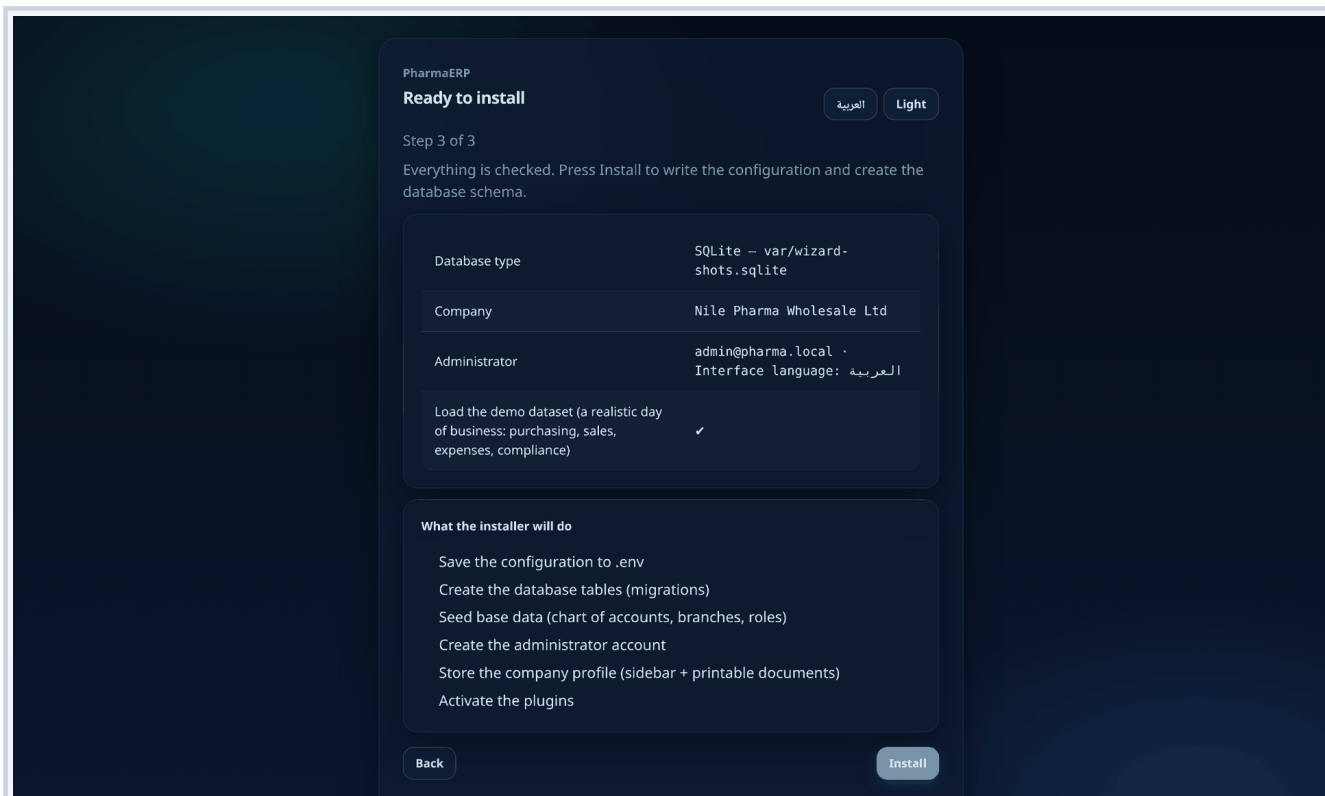
Interface language العربية Load the demo dataset (a realistic day of business: purchasing, sales, expenses, compliance)

Back Continue

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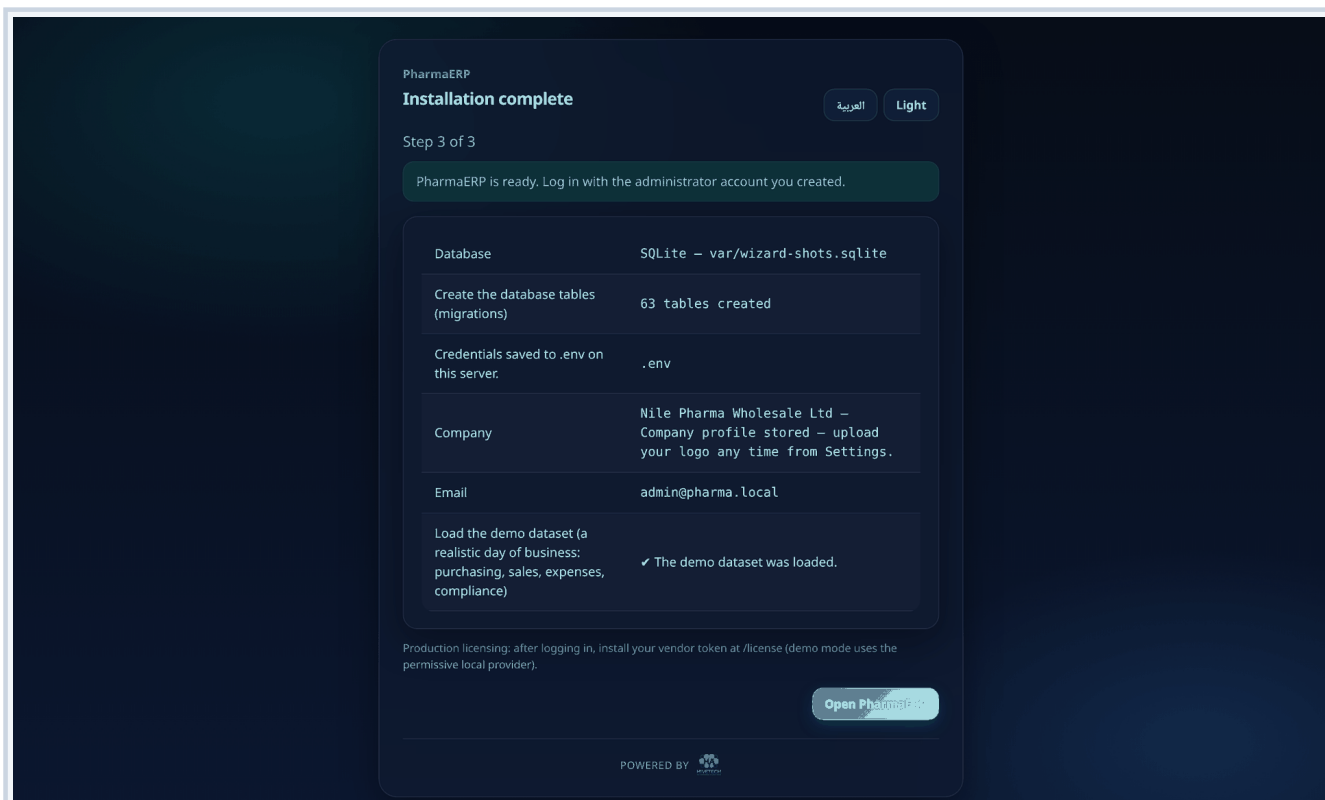
Company & administrator step: the company profile plus the master login and the demo-data option.

Step 3 - Review and install: a summary of your choices and a checklist of what the installer will do. With MariaDB/MySQL, the database name, user and password are stored in the .env file on your server - nothing is sent anywhere else.



Review step: summary, checklist, and where the database credentials are stored.

Press Install: the wizard writes .env, creates the database tables (about 63), seeds the master data (chart of accounts, branches, roles), creates your administrator account, stores the company profile and activates the plugins. The success screen shows the result, including the table count.



Installation complete - log in with the account you just created.

After installation the wizard locks itself (var/installed.lock) and cannot run again until that lock is deliberately removed - the application serves normally from then on.

Local evaluation without a host

To try PharmaERP on your own machine, serve it with PHP's built-in server and open the URL - the same wizard appears:

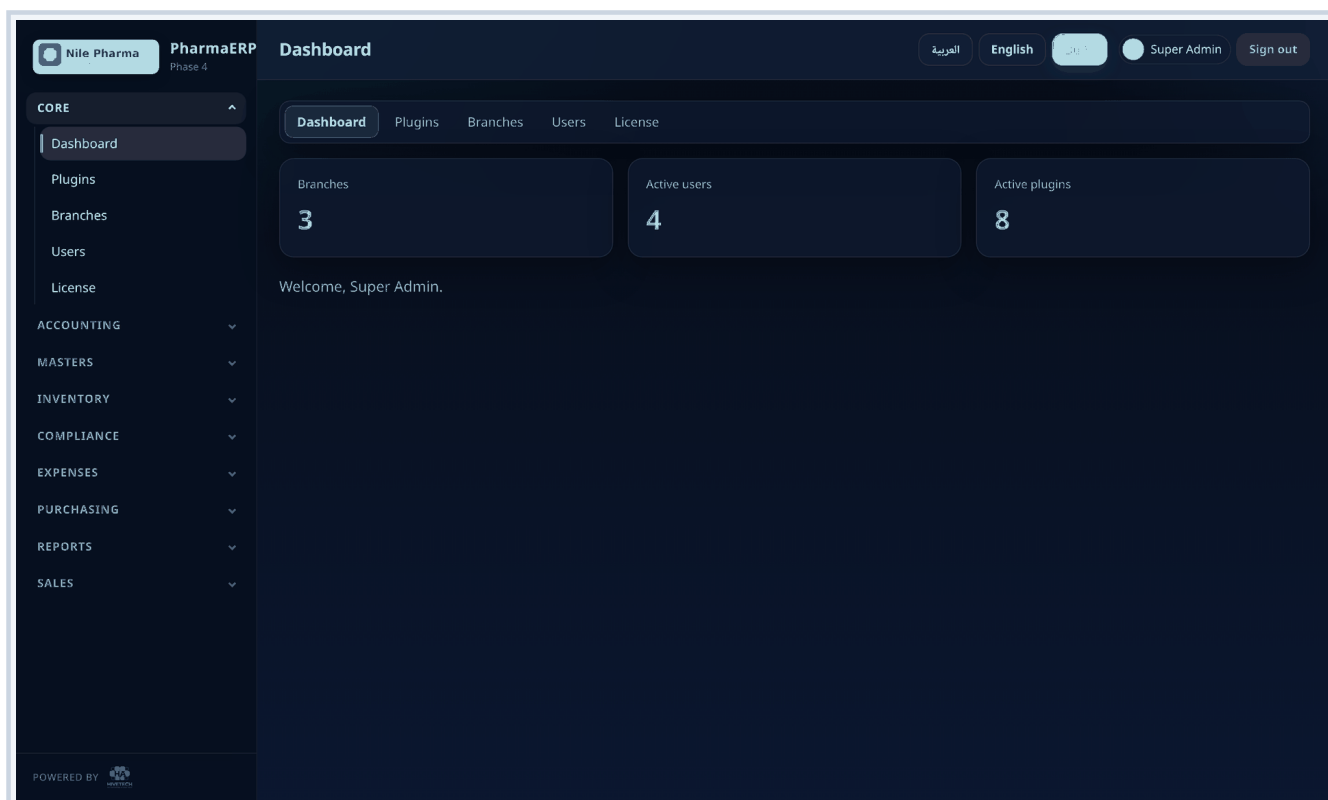
```
php -S 0.0.0.0:8000 -t public
# open http://127.0.0.1:8000 and follow the wizard
```

Command-line installer (alternative for shell users)

Hosts with shell access may skip the wizard; it performs the identical steps:

```
php bin/console install --demo          # interactive
php bin/console install --driver=mysql --db-name=pharma_erp \
    --db-user=erp --db-pass=secret --company="My Pharmacy"
php bin/console serve
```

Logging in



The login screen.

After installing with defaults, log in with `admin@pharma.local / admin123`. The demo dataset also creates `pharmacist@pharma.local / pharmacist123` (a restricted account - handy for testing who may see what).

The screen layout

The sidebar carries the company logo at the top (yours - upload it from Settings) and lists the

modules your account may use; its footer shows the software is powered by HIVETECH. The top bar shows the current page, the language switcher (Arabic / English) and the light/dark theme toggle - both persist per browser.

Company profile, logo and printing

Settings (Core - Settings) holds the company profile: name, address, phone and email, plus the company logo upload. A simple demo logo is bundled so documents look right out of the box - replace it with your own (PNG/JPG/WebP/GIF up to 2 MB) and the sidebar and every printable document pick it up immediately.

The screenshot displays the 'Settings' page for 'Nile Pharma Wholesale Ltd'. The sidebar on the left lists various modules: CORE, ACCOUNTING, MASTERS, INVENTORY, COMPLIANCE, EXPENSES, PURCHASING, REPORTS, and SALES. The main content area is titled 'Settings' and contains the 'Company profile' section. This section includes fields for 'Company name *' (Nile Pharma Wholesale Ltd), 'Address' (Khartoum, Sudan), 'Phone' (+249 11 555 0100), and 'Email' (info@acme.example). Below these is the 'Company logo' section, which shows a file upload area with a 'Choose File' button and a 'No file chosen' status. A note indicates that the current logo is a bundled demo logo. The top bar includes language and theme toggles, and user information (Super Admin, Sign out). The footer shows 'POWERED BY HIVETECH'.

Settings: the company profile and the logo upload.

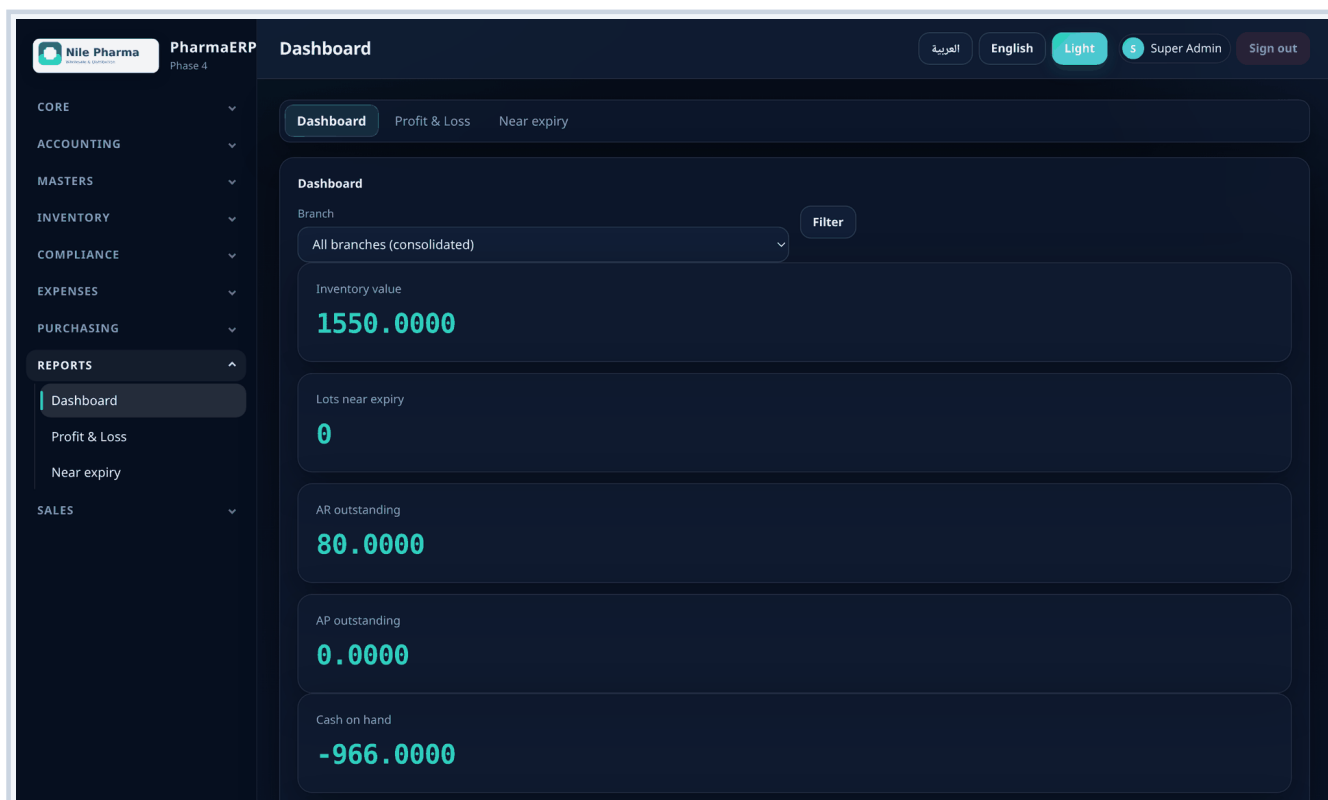
Every document page has a Print button: sales and supplier invoices, goods receipts, journal entries, customer statements and the reports (P&L, trial balance, balance sheet, income statement, near-expiry). Printing hides the application chrome and emits a clean document headed by your company logo and details.

Stock movements print as transfer slips: Inventory - Movements has a Slip link on every row, producing a signed-for document (issued by / carried by / received by) with the lot and batch details - see chapter 6.

i Demo mode (SQLite) runs the exact same code as production, with two documented limitations: DECIMAL columns are stored as REAL and the audit log is shared. See docs/demo-mode.md.

3. Dashboard and reports

Dashboard



Dashboard: inventory value, cash and bank balances, receivables and payables, monthly sales and expenses.

The dashboard aggregates today's position: inventory value at cost, cash and bank balances, outstanding receivables and payables, month-to-date sales and expenses, and a count of near-expiry lots. Every figure is derived from the general ledger — never a parallel tally.

Profit & loss

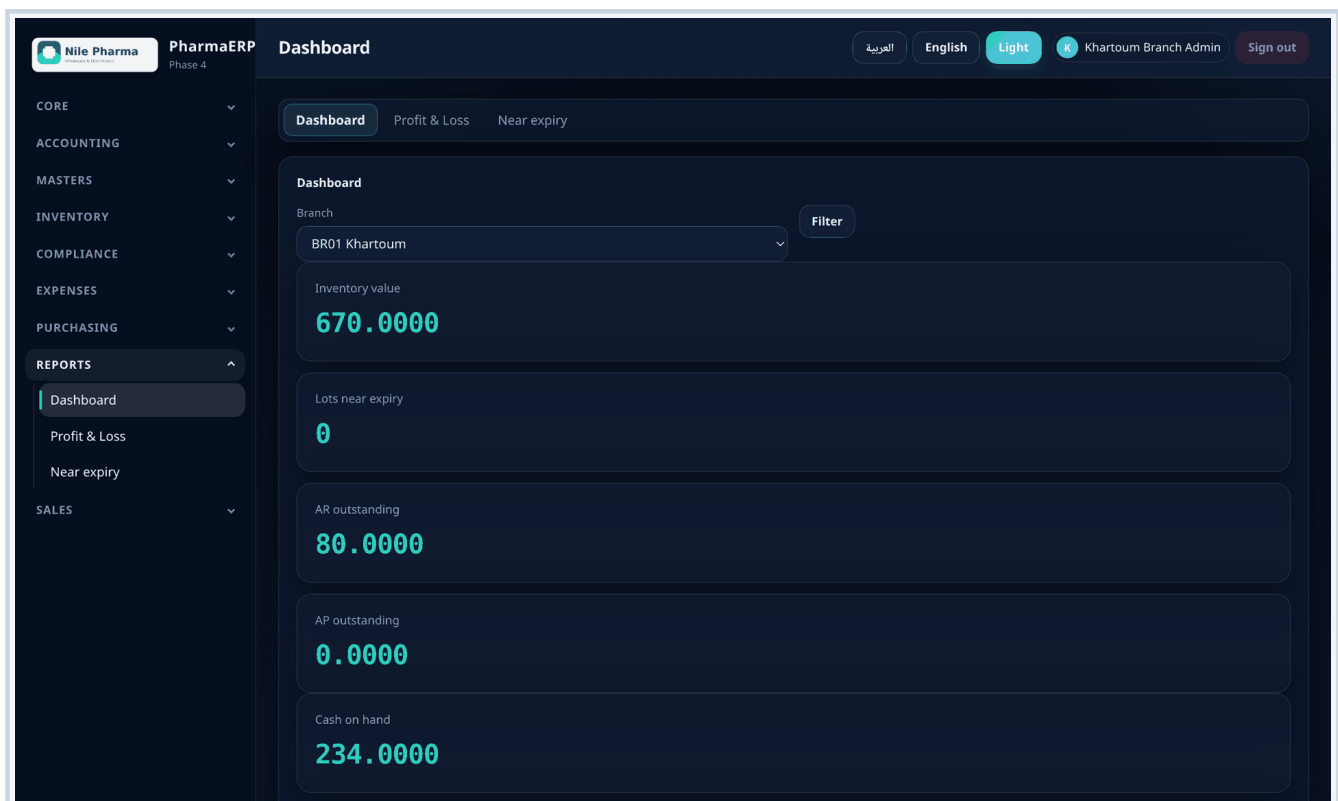
4. Multi-branch operation

PharmaERP is multi-branch at its core: every purchase, sale, expense, stock lot and journal line belongs to a branch, and every report can be read consolidated or filtered to one branch. The seeded demo runs three branches:

- BR01 Khartoum - the sales day, expenses and part of the purchasing
- BR02 Omdurman - the replenishment flow: purchase order, goods receipt, supplier invoice
- BR03 Main Office - head office, kept free of demo transactions

Branch admins — one branch each

On the Users screen (Core - Users) give a user the Branch Admin role and bind them to exactly one branch. When that person logs in they land on the dashboard already filtered to their branch, and everywhere else they see only their branch: stock, sales, expenses, purchase requests and reports. Other branches do not exist for them - not in lists, not in reports, not by typing a URL. The super admin and unbound central staff keep seeing everything.



The BR01 branch admin's dashboard: locked to Khartoum, no branch choice.

Requesting stock from another branch

Inventory - Inter-branch transfers is the two-way counter. A branch that runs short raises a request against another branch: pick the source branch, see its available stock (read-only - item, nearest expiry, on-hand quantity), choose items and quantities, send. The request appears immediately in the source branch's queue, where their Branch Admin approves or denies it - a denial carries a reason (for instance: not available, only 15 left) that the requester sees. Approving dispatches the goods FEFO out of the source warehouse; the transfer is then in transit until the requesting branch

confirms receipt, which books the same batches into its own warehouse as available stock. Every step prints a three-signature transfer slip (issued by / carried by / received by).

PharmaERP Phase 4

Inter-branch transfers

Stock Receive QC Movements **Inter-branch transfers**

Requests waiting on your branch

Other branches asked your branch for stock. Approve to dispatch (FEFO), or deny with a reason — e.g. not available.

Request #	Requesting branch	Date	Items	Status
BR02-TR-000001	BR02 — Omdurman	2026-10-01 10:03:41	Transfer slip	In transit
BR02-TR-000002	BR02 — Omdurman	2026-10-01 10:03:41	Transfer slip	Denied Reason: controlled item — not available for transfer

Your requests to other branches

Requests your branch raised. When approved, confirm arrival with Receive.

Request #	From branch	Date	Status
BR01-TR-000002	BR02 — Omdurman	2026-10-01 10:06:45	Denied Reason: not available — only 15 left
BR01-TR-000001	BR02 — Omdurman	2026-10-01 10:03:41	Received

New transfer request

Pick the source branch to see its available stock (read-only), then choose items and quantities.

From branch: Choose a branch... Requesting branch: BR01 — Khartoum

The transfers screen as the BR01 branch admin: the queue waiting on the branch and the branch's own requests.

PharmaERP Phase 4

Inter-branch transfers

Stock Receive QC Movements **Inter-branch transfers**

Requests waiting on your branch

Other branches asked your branch for stock. Approve to dispatch (FEFO), or deny with a reason — e.g. not available.

Request #	Requesting branch	Date	Items	Status
BR01-TR-000002	BR01 — Khartoum	2026-10-01 10:06:45	Transfer slip	Denied Reason: not available — only 15 left
BR02-TR-000001	BR02 — Omdurman	2026-10-01 10:03:41	Transfer slip	In transit
BR01-TR-000001	BR01 — Khartoum	2026-10-01 10:03:41	Transfer slip	Received
BR02-TR-000002	BR02 — Omdurman	2026-10-01 10:03:41	Transfer slip	Denied Reason: controlled item — not available for transfer

Your requests to other branches

Requests your branch raised. When approved, confirm arrival with Receive.

Request #	From branch	Date	Status
BR01-TR-000002	BR02 — Omdurman	2026-10-01 10:06:45	Denied Reason: not available — only 15 left
BR02-TR-000001	BR01 — Khartoum	2026-10-01 10:03:41	In transit
BR02-TR-000002	BR01 — Khartoum	2026-10-01 10:03:41	Denied

The same screen for the super admin: every branch's requests, queues and statuses.

Ordering a purchase from the main branch

Branches do not buy on their own: a Branch Admin raises a purchase request (Purchasing -

Requests) for his branch and submits it. The request lands with the central buyer - the main-branch administrator - who sees every branch's requests, approves or rejects them and turns approved ones into purchase orders, goods receipts and supplier payments. The demo ships a submitted BR01 request so you can try the approval from the administrator account.

Branches, warehouses and cost centers

Each branch owns a warehouse (stock is held per warehouse, never shared between branches) and a cost center (expenses and results are attributed per branch). The Branches screen (Core - Branches) lists every branch with its warehouse codes and links straight to each branch's P&L. New branches are created on the same screen - code, name, currency, timezone - and receive their own warehouse and cost center automatically. Your license may cap the number of branches.

Code	Name	Warehouses	Currency	Timezone	P&L
BR01	Khartoum	BR01-WH	SDG	Africa/Khartoum	P&L
BR02	Omdurman	BR02-WH	SDG	Africa/Khartoum	P&L
BR03	Main Office	BR03-WH	SDG	Africa/Khartoum	P&L

Create branch

Code: Name: Currency: Timezone:

The Branches screen: three seeded branches with their warehouse codes and a per-branch P&L link.

Per-branch reports

Every report - P&L, trial balance, balance sheet, income statement, near-expiry, stock - opens consolidated and carries a branch selector. Filter to one branch to see only its numbers; the demo makes this vivid: BR01 carries the sales day while BR02 carries the replenishment costs. The P&L link on the Branches screen opens the same report pre-filtered.

Nile Pharma
Pharmaceuticals & Distribution

PharmaERP
Phase 4

CORE
ACCOUNTING
MASTERS
INVENTORY
COMPLIANCE
EXPENSES
PURCHASING
REPORTS
Dashboard
Profit & Loss
Near expiry
SALES

Profit & Loss

Dashboard
Profit & Loss
Near expiry

Nile Pharma
Pharmaceuticals & Distribution

PharmaERP

Profit & Loss

Profit & Loss

Branch
BR02 Omdurman

Cost center
All

From
01/01/2026

To
10/01/2026

Filter

Account	Name	Debit	Credit	Balance
Revenue				
4200	Sales Returns	0.0000	0.0000	0.0000
			Total revenue	0.0000
Expenses				

P&L filtered to BR02 Omdurman: the replenishment costs without BR01's sales day.

Branch-scoped documents

Documents are entered against a branch everywhere: purchase requests, orders and GRNs, sales invoices and receipts, expenses (with a branch cost center) and stock receipts. The audit log records which branch each action belongs to, and Settings values can be defined system-wide or per branch.

5. Masters

Items and units of measure

PharmaERP Phase 4

العربية English Light \$ Super Admin Sign out

Items Customers Suppliers Price lists

SKU	Name	Schedule	Storage	UoM
AMOX-500	Amoxicillin 500mg	rx	ambient	PC / BOX
INS-NPH	Insulin NPH 100IU	rx	refrigerated	PC / PC
MORPH-10	Morphine 10mg	controlled	ambient	PC / PC
PARA-500	Paracetamol 500mg	otc	ambient	PC / BOX

Create item

SKU: Name: Arabic name:

Generic: Form: Strength:

Schedule: Storage: Tax:

Base UoM: Selling UoM: Factor:

Create item

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Item master: SKU, base unit, additional units with conversion factors, control flags.

Each item has a base unit (e.g. tablet box) and any number of additional units with explicit conversion factors. Documents capture quantities in any of the item's units; the ledger and stock engine always convert to the base unit. Controlled items are flagged here — the flag drives the narcotics register and dual-authorization gates.

Price lists

Nile Pharma

PharmaERP

Phase 4

CORE

ACCOUNTING

MASTERS

INVENTORY

COMPLIANCE

EXPENSES

PURCHASING

REPORTS

SALES

Items

Customers

Suppliers

Price lists

Price lists

HSP Hospital

Filter

SKU	Name	Unit price
AMOX-500	Amoxicillin 500mg	36.0000
INS-NPH	Insulin NPH 100IU	165.0000
MORPH-10	Morphine 10mg	88.0000
PARA-500	Paracetamol 500mg	22.0000

Set price

Items

Unit price

AMOX-500 Amoxicillin 500mg

Set price

العربية

English

Light

\$ Super Admin

Sign out

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HOUSTED

Customers and suppliers

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PharmaERP

Phase 4

CORE

ACCOUNTING

MASTERS

INVENTORY

COMPLIANCE

EXPENSES

PURCHASING

REPORTS

SALES

Items

Customers

Suppliers

Price lists

Code	Name	Opening balance
SUP - COLD	Cold Chain Supplies	0.0000
SUP - NILE	Nile Distributors	0.0000

Create supplier

Code

Name

Opening balance

0

Create supplier

POWERED BY

العربية

English

Light

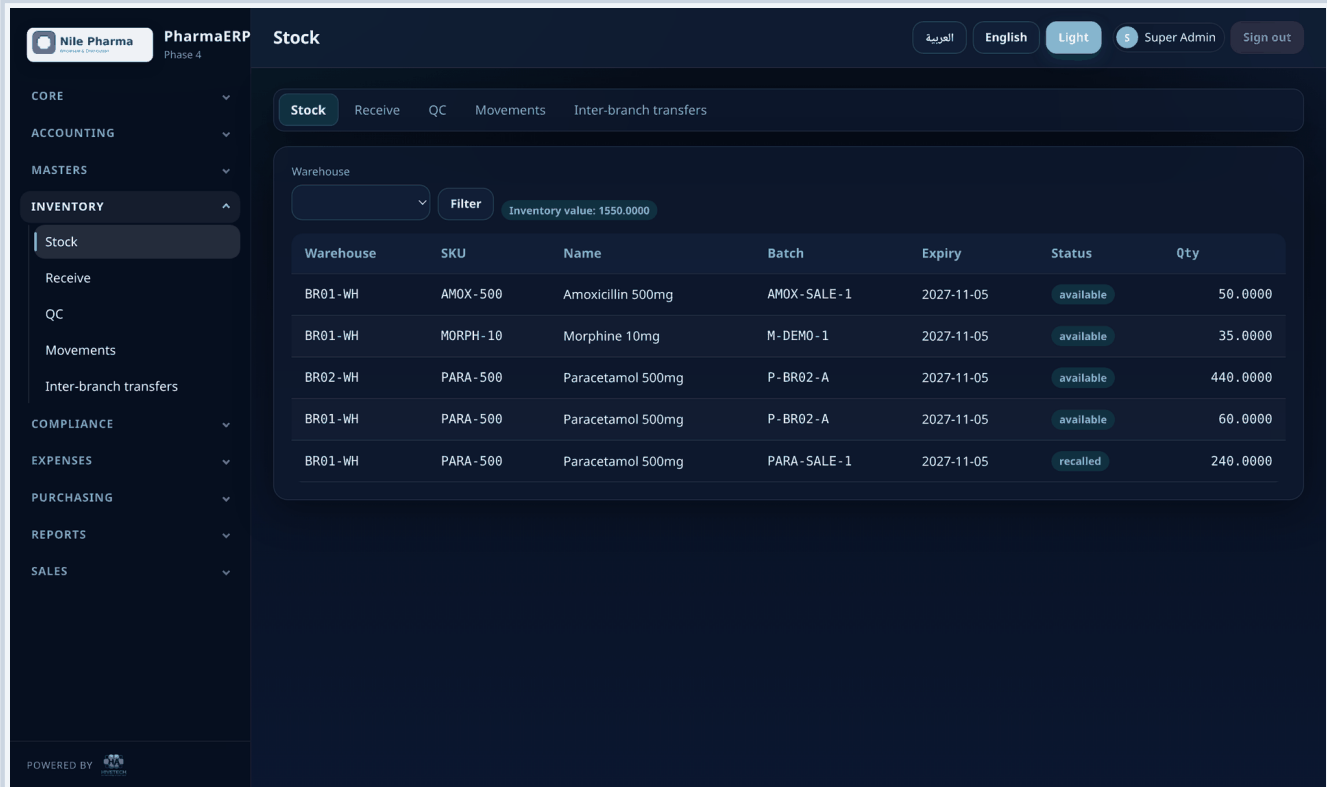
3 Super Admin

Sign out

Supplier master used across the purchasing cycle.

6. Inventory

Stock lots



The screenshot shows the PharmaERP interface. The left sidebar contains a menu with categories: CORE, ACCOUNTING, MASTERS, INVENTORY (expanded), COMPLIANCE, EXPENSES, PURCHASING, REPORTS, and SALES. The INVENTORY section includes links for Stock, Receive, QC, Movements, and Inter-branch transfers. The main content area is titled 'Stock' and features a sub-menu with 'Stock', 'Receive', 'QC', 'Movements', and 'Inter-branch transfers'. Below this is a 'Warehouse' filter dropdown and a 'Filter' button. A status indicator shows 'Inventory value: 1550.0000'. The main table displays stock lots with the following data:

Warehouse	SKU	Name	Batch	Expiry	Status	Qty
BR01-WH	AMOX-500	Amoxicillin 500mg	AMOX-SALE-1	2027-11-05	available	50.0000
BR01-WH	MORPH-10	Morphine 10mg	M-DEMO-1	2027-11-05	available	35.0000
BR02-WH	PARA-500	Paracetamol 500mg	P-BR02-A	2027-11-05	available	440.0000
BR01-WH	PARA-500	Paracetamol 500mg	P-BR02-A	2027-11-05	available	60.0000
BR01-WH	PARA-500	Paracetamol 500mg	PARA-SALE-1	2027-11-05	recalled	240.0000

Stock positions by lot: quantity, expiry, quarantine status, cost.

Stock is held as lots, not as a single number: every receipt creates a lot with its own expiry date, cost and quarantine status. Issuing always follows FEFO — first-expiry, first-out — so the oldest stock leaves first automatically.

Receiving and quarantine

PharmaERP Phase 4

Receive

Stock Receive QC Movements Inter-branch transfers

Receive

Warehouse: BR01 BR01-WH

Items: AMOX-500 Amoxicillin 500mg

Batch:

Expiry: mm/dd/yyyy

Qty:

Unit cost:

Receive

Receive goods against a purchase order into the branch warehouse.

PharmaERP Phase 4

QC

Stock Receive QC Movements Inter-branch transfers

Warehouse	SKU	Batch	Expiry	Qty
No records yet.				

Quarantine: lots wait here until QC passes them into sellable stock.

Received lots land in quarantine. A QC pass releases the lot; a QC fail can split or scrap it. Quarantined stock is never issued to customers and never counted as sellable.

Movement history

Nile Pharma Pharmaceuticals & Generics	PharmaERP Phase 4	Movements						العربية	English	Light	3 Super Admin	Sign out
CORE ACCOUNTING MASTERS INVENTORY COMPLIANCE EXPENSES PURCHASING REPORTS SALES		Stock Receive QC Movements Inter-branch transfers										
Warehouse		Filter										
Date	Warehouse	SKU	Type	Qty	Unit cost	Memo						
2026-10-01 10:07:12	BR01-WH	PARA-500	receive	60.0000	2.0000	Branch transfer in	Slip					
2026-10-01 10:07:03	BR02-WH	PARA-500	issue	-60.0000	2.0000	FEFO issue	Slip					
2026-10-01 10:03:41	BR01-WH	AMOX-500	issue	-30.0000	4.0000	FEFO issue	Slip					
2026-10-01 10:03:40	BR02-WH	PARA-500	adjust	0.0000	0.5000	Landed cost +250.0000	Slip					
2026-10-01 10:03:40	BR02-WH	PARA-500	qc_release	500.0000	2.0000	QC pass	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	receive	20.0000	3.0000	GRN quarantine	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	qc_reject	20.0000	3.0000	QC fail	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	issue	-20.0000	3.0000	Supplier return	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	receive	100.0000	4.0000	GRN quarantine	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	qc_release	100.0000	4.0000	QC pass	Slip					
2026-10-01 10:03:40	BR01-WH	AMOX-500	issue	-20.0000	4.0000	FEFO issue	Slip					
2026-10-01 10:03:40	BR01-WH	MORPH-10	receive	40.0000	10.0000	GRN quarantine	Slip					

Every stock movement — receipt, QC, issue, return, recall freeze — with its document reference.

Movement slips (transfer documents)

Every stock movement can be printed as a transfer slip: the Movements screen has a Slip link on each row. The slip carries the company logo and details, the item, lot, batch number and expiry date, and three signature lines - issued by (storekeeper), carried by (transporter) and received by (recipient warehouse). Use it when goods physically move between warehouses or branches.



Nile Pharma

Wholesale & Distribution

Nile Pharma
Wholesale Ltd

Phase 4

CORE

ACCOUNTING

MASTERS

INVENTORY

COMPLIANCE

EXPENSES

PURCHASING

REPORTS

SALES

Stock

Receive

QC

Movements

POWERED BY



Transfer / movement slip

العربية

English

Light

3 Super Admin

Sign out

Stock

Receive

QC

Movements



Nile Pharma

Wholesale & Distribution

Nile Pharma Wholesale Ltd

Khartoum, Sudan · +249 11 555 0100 · info@acme.example

Transfer / movement slip

BR01-WH — MORPH-10

accounting.back

Print

Date

2026-10-01 07:15:31

Type

Issue

Warehouse

BR01 / BR01-WH

Khartoum Warehouse

Item

MORPH-10

Morphine 10mg

Batch no.

M-DEMO-1

Expiry

2027-11-05

Qty

-5.0000

PC

Unit cost

10.0000

Memo

FEFO issue

Entered by

Super Admin

Issued by (storekeeper)

Carried by (transporter)

Received by (recipient warehouse)

A printable transfer slip with the company logo and signature lines.

7. Purchasing

The purchasing cycle is a chain of linked documents, each with its own number series per branch (BR02-PR-000001 -> BR02-PO-000001 -> BR02-GRN-000001 -> BR02-PINV-000001).

Purchase requests and orders

PharmaERP Phase 4

Purchase requests

العربية English Light Super Admin Sign out

Purchase requests Purchase orders Goods receipts Supplier invoices Supplier payments Purchase returns AP ageing

Purchase requests

Branch: All Status: All

Number	Branch	Supplier	Status	Decided at	Date
BR01-PR-000003	Khartoum	Nile Distributors	Approved	2026-10-01 10:08:21	2026-10-01 10:08:21
BR02-PR-000001	Omdurman	Nile Distributors	Approved	2026-10-01 10:03:40	2026-10-01 10:03:40
BR01-PR-000001	Khartoum	Cold Chain Supplies	Draft	—	2026-10-01 10:03:40
BR01-PR-000002	Khartoum	Nile Distributors	Submitted	—	2026-10-01 10:03:40

New purchase request

Branch: BR01 Khartoum Supplier: Note:

Item: Qty:

Purchase requests: draft -> submitted -> approved; approval gates the order.

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Number	Branch	Supplier	Purchase request	Status	Date
BR02-P0-000001	Omdurman	Nile Distributors	01a0f6eb-7211-7917-a4f0-bcbcb2f0d1c	Posted	2026-10-01 10:03:40

New purchase order

Purchase request

Item

Qty

Unit cost

☐ Post immediately

Purchase orders sent to suppliers.

Goods receipts (GRN)

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Number	Branch	Supplier	Purchase order	Status	Date
BR02-GRN-000001	Omdurman	Nile Distributors	BR02-P0-000001	Posted	2026-10-01 10:03:40
BR01-GRN-000001	Khartoum	—	—	Posted	2026-10-01 10:03:40

Receive goods

Branch

Purchase order

Item

Qty

Unit cost

Batch no.

Expiry

PO line

mm/dd/yyyy

mm/dd/yyyy

mm/dd/yyyy

mm/dd/yyyy

mm/dd/yyyy

GRN list — receive against an order, or direct.

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Wholesale & Distribution

Nile Pharma Wholesale Ltd

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Nile Pharma Wholesale Ltd

Khartoum, Sudan

+249 11 555 0100

info@acme.example

Goods receipts

BR02-GRN-000001

Print

Goods receipts BR02-GRN-000001

Date: 2026-10-01 07:15:30 — Journal: 01a0f651-7dac-7c1b-b74c-3140c6a2c2ce

Item	UoM	Qty	Unit cost	Landed cost share
PARA-500 — Paracetamol 500mg	PC	500.0000	1.5000	250.0000

Item	Batch no.	Expiry	Qty	Unit cost	Lot
PARA-500 — Paracetamol 500mg	P-BR02-A	2027-11-05	500.0000	1.5000	01a0f651-7da7-74c3-ba08-1185004b699b

Landed costs

Number	Method	Amount	Note	Date
BR02-LC-000001	By value	250.0000	freight	2026-10-01 07:15:30

Method

By value

Amount

GRN detail: lines with lots, QC state, landed-cost allocation.

Landed costs (freight, customs, insurance) can be allocated over a receipt by value or quantity — the lot costs absorb them, so gross margin reflects reality.

Supplier invoices and payments

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Supplier invoices

Number	Supplier	Supplier ref.	Total	Paid	Outstanding	Due date
BR02-PINV-000001	Nile Distributors	SUP-INV-1001	900.0000	900.0000	0.0000	2026-10-31

New supplier invoice

Supplier

Branch

Supplier ref.

Cold Chain Supplies

Khartoum

GRN line	Item	Qty	Unit price	Tax
				No tax
				No tax
				No tax
				No tax
				No tax

Post

Supplier invoices matched to receipts.

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Supplier payments

Number

Supplier

Method

Amount

Date

BR02 - PPAY - 000001

Nile Distributors

Bank

900.0000

2026-10-01 10:03:40

Pay supplier

Supplier

Branch

Method

Cold Chain Supplies

Cash

Amount

Supplier invoice

Amount

Payments: cash or bank, full or partial, with GL posting.

Returns, ageing and ledger

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AP ageing

Number

Supplier

Supplier invoice

Total

Date

BR01 - PRET - 000001

Nile Distributors

-

60.0000

2026-10-01 10:03:40

New purchase return

Supplier

Branch

Supplier invoice

Cold Chain Supplies

Lot

Qty

Note

Return damaged stock to the supplier with its own document trail.

Nile Pharma
Pharmaceuticals & Chemicals

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AP ageing

Supplier	Not due	1-30 days	31-60 days	61-90 days	Over 90 days	Total
No records yet.						

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AP ageing buckets tell you what is overdue and by how much.

Nile Pharma
Pharmaceuticals & Chemicals

PharmaERP
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Supplier ledger

Supplier

From
01/01/2026

To
10/01/2026

Filter

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Supplier ledger

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Supplier ledger: every invoice, payment and return in one statement.

8. Sales

Invoices

The screenshot shows the 'Invoices' section of the PharmaERP system. The left sidebar lists various modules, with 'SALES' expanded to show 'Invoices', 'Receipts', 'Returns', and 'AR ageing'. The main area displays a table of existing invoices and a form to create a new one.

Number	Date	Customer	Type	Subtotal	Tax	Total	Paid	Status
BR01-SINV-000003	2026-10-01 10:03:40	Omdurman Hospital	Cash	440.0000	0.0000	440.0000	0.0000	Posted
BR01-SINV-000002	2026-10-01 10:03:40	Omdurman Hospital	Cash	44.0000	0.0000	44.0000	0.0000	Posted
BR01-SINV-000001	2026-10-01 10:03:40	Khartoum Pharmacy	Credit	180.0000	0.0000	180.0000	180.0000	Posted

New invoice

Branch: BR01 Khartoum

Customer: CLN-EXP — Expired License Clinic

Type: Credit

Due date: mm/dd/yyyy

Item	Qty	Unit price
------	-----	------------

Sales invoices: cash or credit, per branch.

The screenshot shows the detailed view of invoice BR01-SINV-000003. The header includes the company name 'Nile Pharma Wholesale Ltd' and the invoice number. The main body contains a table of items issued from specific lots, with columns for Item, UoM, Qty, Unit price, Tax, Total, and COGS. Below the table, it shows the outstanding amount and a table of issued batches (FEFO).

Invoice BR01-SINV-000003

Nile Pharma Wholesale Ltd
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Invoice: BR01-SINV-000003 — BR01

Print

BR01-SINV-000003
BR01 · HSP-OMD Omdurman Hospital · Cash

Item	UoM	Qty	Unit price	Tax	Total	COGS
MORPH-10 — Morphine 10mg	PC	5.0000	88.0000	0.0000	440.0000	50.0000
				440.0000	0.0000	440.0000

Outstanding: 440.0000 · Paid: 0.0000

Issued batches (FEFO)

Item	Batch	Expiry	Qty	Unit cost
MORPH-10	M-DEMO-1	2027-11-05	5.0000	10.0000

Invoice detail: lines issued FEFO from specific lots.

Posting an invoice issues stock lot-by-lot in FEFO order, records cost of goods sold, books revenue

and receivable/cash, and — for controlled items — requires the narcotics gate (chapter 10). Credit sales update the customer balance immediately.

Receipts and returns

PharmaERP Phase 4

Receipts

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Invoices Receipts Returns AR ageing

Receipts

Number	Date	Customer	Method	Amount
BR01-SRC-000001	2026-10-01 10:03:40	Khartoum Pharmacy	Cash	100.0000

New receipt

Branch
BR01 Khartoum

Customer
CLN-EXP — Expired License Clinic

Method
Cash

Amount

Optionally allocate across posted credit invoices — allocations must sum to the receipt amount. Paste invoice IDs (UUID).

Invoice #1
Invoice UUID Allocated

Invoice #2
Invoice UUID Allocated

Customer receipts: full or part settlement, cash or bank.

PharmaERP Phase 4

Returns

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Invoices Receipts Returns AR ageing

Returns

Number	Invoice	Customer	Total	Restock	Date
No records yet.					

New return

Invoice Restock
Default (setting)

Return lines reference the invoice line UUID and qty; qty cannot exceed the sold qty.

Invoice line #1 Qty
UUID

Invoice line #2 Qty
UUID

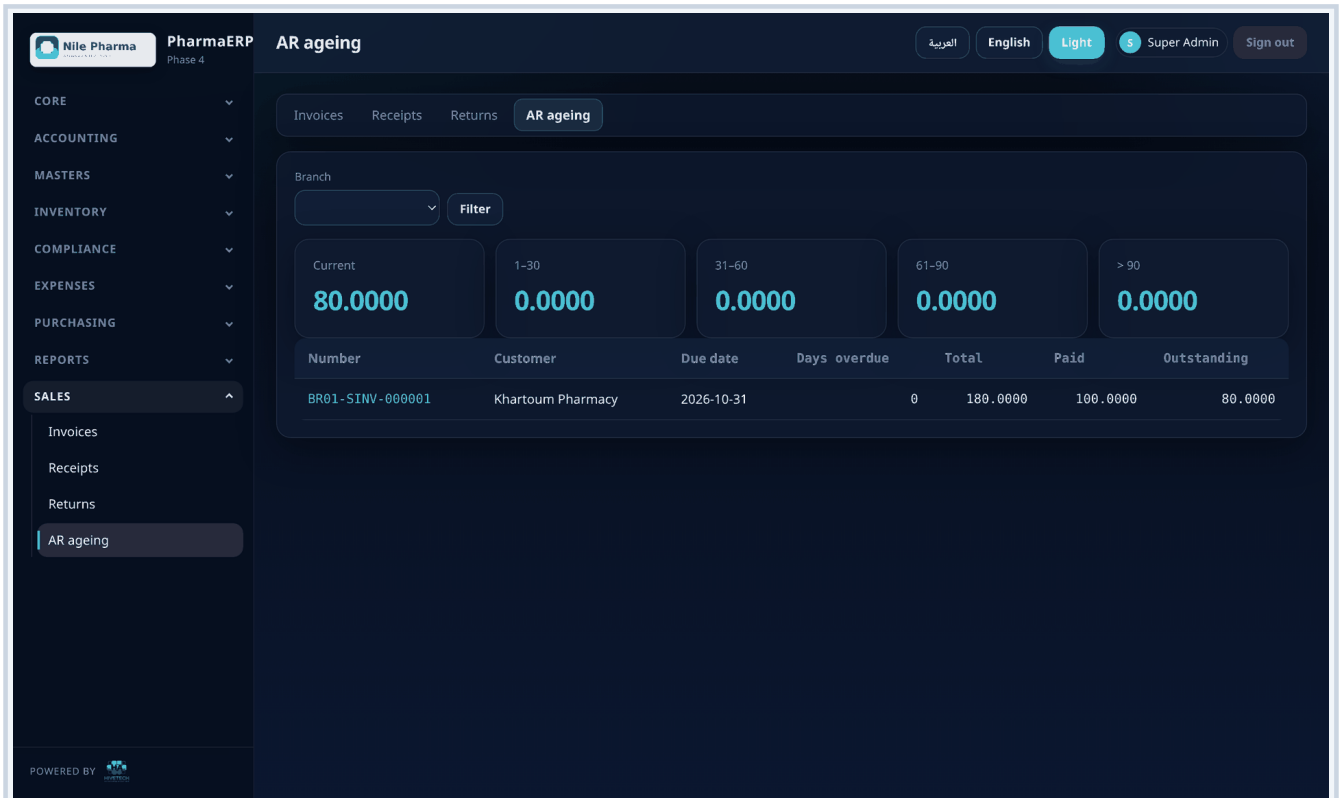
Invoice line #3 Qty
UUID

Invoice line #4 Qty
UUID

Invoice line #5 Qty

Sales returns restock the lot (or quarantine it) and credit the customer.

Receivables



AR ageing buckets per customer.

9. Expenses

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PharmaERP
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Expenses

Expenses

Branch

All

Category

All

expenses.from

mm/dd/yyyy

expenses.to

mm/dd/yyyy

Filter

Number	Date	Branch	Cost center	Category	Account	Method	Amount	Memo
BR01-EXP-000001	2026-10-01	Khartoum	BR01-CC	Rent	5210	Bank	5000.0000	warehouse rent
BR01-EXP-000002	2026-10-01	Khartoum	—	Freight Out	5240	Cash	350.0000	courier
BR02-EXP-000001	2026-09-29	Omdurman	—	Utilities	5230	Cash	1200.0000	generator fuel

New expense

Branch

BR01 Khartoum

Expense entry: category, cost center, payment method and account.

Each expense carries a category (mapped to a GL expense account), a branch cost center and the cash/bank account it was paid from. Posting writes a balanced journal entry (expense debit, cash/bank credit) — the dashboard and P&L pick it up instantly.

10. Compliance

Narcotics register

Nile Pharma

PharmaERP

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Customer licenses

Recalls

Narcotics register

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Customer licensesRecallsNarcotics register

Narcotics register

Item

All

expenses.from

mm/dd/yyyy

expenses.to

mm/dd/yyyy

Filter

Date	Type	Item	Batch	Warehouse	Qty	Running balance	Number	Issuer	Second authorizer	Memo
2026-10-01 10:03:40	Receipt	MORPH-10	M-DEMO-1	BR01-WH	40.0000	40.0000	M-DEMO-1	Super Admin	—	Received into quarantine
2026-10-01 10:03:40	Issue	MORPH-10	M-DEMO-1	BR01-WH	-5.0000	35.0000	BR01-SINV-000003	Super Admin	Second Pharmacist	Sale to customer

Opening balance

Item

MORPH-10 — Morphine 10mg

Warehouse

Append-only narcotics register with running balance per item.

Every receipt and issue of a controlled item is appended to an immutable register with a running balance. Issuing requires two authorized users — the issuer and a second authorizer. Nobody, including super-admins, can post a controlled issue alone: the gate demands explicit dual intent.

Recalls

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Recalls

Status
All

Filter

Item	Batch	Reason	Status	Lots frozen	Qty frozen	Date	
PARA-500 — Paracetamol 500mg	PARA-SALE-1	QA failure reported by manufacturer	Open	1	240.0000	2026-10-01 10:03:40	Customer trace

Open recall

Item
AMOX-500 — Amoxicillin 500mg

Batch

Reason

Open recall

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Recall workflow: freeze affected lots, trace customers who bought them.

Opening a recall against an item/lot freezes the remaining stock instantly and walks the sales history to list every customer who purchased from the affected lot — the trace is built from the same lots the invoices issued, so it is complete by construction.

License compliance

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Pharmaceuticals & Distribution

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Customer licenses

Code	masters.customer	Type	License no.	License expiry	State
CLN-EXP	Expired License Clinic	clinic	LIC-CL-0001	2020-01-01	Expired
HSP-OMD	Omdurman Hospital	hospital	LIC-HS-2001	2027-10-01	Valid
PH-KRT	Khartoum Pharmacy	pharmacy	LIC-PH-1001	2028-10-01	Valid

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License compliance overview.

11. Accounting

Chart of accounts

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Code	Name	Arabic name	Type	Normal	Postable
1000	Assets	الأصول	asset	debit	0
1100	Current Assets	الأصول المتداولة	asset	debit	0
1110	Cash on Hand	نقدية بالصندوق	asset	debit	1
1120	Bank	البنك	asset	debit	1
1130	Accounts Receivable	الذمم المدينة	asset	debit	1
1140	Inventory	المخزون	asset	debit	1
1150	VAT Input	ضريبة مدخلات	asset	debit	1
2000	Liabilities	الالتزامات	liability	credit	0
2100	Current Liabilities	التزامات متداولة	liability	credit	0
2110	Accounts Payable	الذمم الدائنة	liability	credit	1
2120	VAT Output	ضريبة مخرجات	liability	credit	1
2130	GRNI Clearing	تسوية استلام البضائع	liability	credit	1
3000	Equity	حقوق الملكية	equity	credit	0
3100	Capital	رأس المال	equity	credit	1
3200	Retained Earnings	أرباح محتجزة	equity	credit	1

Chart of accounts — assets, liabilities, equity, revenue, expenses.

Journals

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Branch

Filter

Number	Date	Document	Memo	Status
BR02-JRN-000005	2026-10-01 10:03:40	expenses.payment	Expense BR02-EXP-000001 — Utilities	Posted
BR02-JRN-000004	2026-10-01 10:03:40	purchasing.payment	Supplier payment BR02-PPAY-000001	Posted
BR02-JRN-000003	2026-10-01 10:03:40	purchasing.invoice	Supplier invoice BR02-PINV-000001 — Nile Distributors	Posted
BR02-JRN-000002	2026-10-01 10:03:40	purchasing.landed_cost	Landed cost BR02-LC-000001	Posted
BR02-JRN-000001	2026-10-01 10:03:40	purchasing.grn	GRN BR02-GRN-000001	Posted
BR01-JRN-000008	2026-10-01 10:03:40	sales.invoice.cash	Sales invoice BR01-SINV-000003 — Omdurman Hospital	Posted
BR01-JRN-000007	2026-10-01 10:03:40	expenses.payment	Expense BR01-EXP-000002 — Freight Out	Posted
BR01-JRN-000006	2026-10-01 10:03:40	expenses.payment	Expense BR01-EXP-000001 — Rent	Posted
BR01-JRN-000005	2026-10-01 10:03:40	sales.invoice.cash	Sales invoice BR01-SINV-000002 — Omdurman Hospital	Posted
BR01-JRN-000004	2026-10-01 10:03:40	sales.receipt	Sales receipt BR01-SRC-000001	Posted
BR01-JRN-000003	2026-10-01 10:03:40	sales.invoice.credit	Sales invoice BR01-SINV-000001 — Khartoum Pharmacy	Posted
BR01-JRN-000002	2026-10-01 10:03:40	purchasing.return	Purchase return BR01-PRET-000001	Posted
BR01-JRN-000001	2026-10-01 10:03:40	sales.invoice.cash	Sales invoice BR01-SINV-000001 — Nile Distributors	Posted

Journal browser: every entry balanced, each linked to its source document.

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Wholesale & Distribution

Nile Pharma Wholesale Ltd

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Nile Pharma Wholesale Ltd

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Journal

BR01-JRN-000008

Print

Number: BR01-JRN-000008

Date: 2026-10-01 07:15:31

Status:

Posted

Document: sales.invoice.cash

Memo: Sales invoice BR01-SINV-000003 — Omdurman Hospital

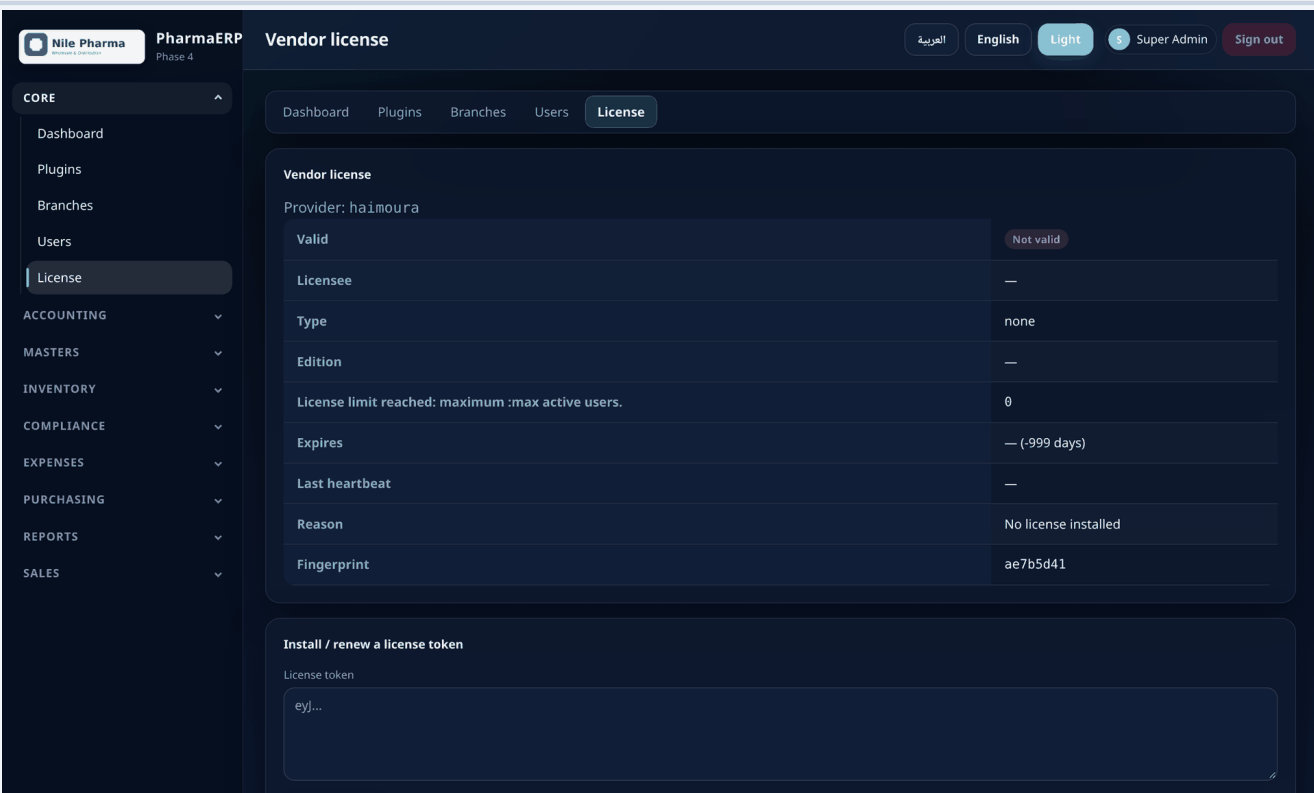
Void

Account	Memo	Debit	Credit
1110 Cash on Hand		440.0000	0.0000
4100 Sales Revenue		0.0000	440.0000
2120 VAT Output		0.0000	0.0000
5100 Cost of Goods Sold		50.0000	0.0000
1140 Inventory		0.0000	50.0000
Total		490.0000	490.0000

Journal detail with its source document reference — click through to the invoice or GRN.

Statements

12. Licensing



The screenshot shows the 'Vendor license' page in the PharmaERP interface. The page is titled 'Vendor license' and has a sub-header 'Provider: haimoura'. The license status is 'Not valid'. The page also shows the license token and the fingerprint.

Field	Value
Valid	Not valid
Licensee	—
Type	none
Edition	—
License limit reached: maximum :max active users.	0
Expires	— (-999 days)
Last heartbeat	—
Reason	No license installed
Fingerprint	ae7b5d41

Install / renew a license token

License token

eyJ...

License status page.

PharmaERP ships with two license providers: local (permissive, used by the demo/learning install — every feature unlocked, no server contact) and the Haimoura SDK (production: signed tokens, offline grace, heartbeats). The `/license` page shows the active provider, the licensed features and expiry. Installation of a production token happens on this page; it survives database resets through a stealth store.

i Gates require explicit intent: license-gated plugins are only activated deliberately, never silently — the activator reports exactly what was skipped and why.

13. Maintenance and optional add-ons

Plugins - managed from the browser

The Plugins screen (Core - Plugins) manages everything without a terminal. Activate or deactivate the shipped add-ons with one click, and install NEW plugins by uploading a .zip - the archive must contain plugin.json at its root (or inside a single folder). PharmaERP unpacks it into plugins/ on the server, runs its migrations and registers its permissions; you then press Activate. This is the intended path on hosting without shell access.

ID	Name	Version	Status	Requires	Actions
accounting	General Ledger	1.0.0	active		Deactivate
compliance	Compliance	1.0.0	active	masters, inventory	Deactivate
demo	Demo Plugin	1.0.0	discovered		Install Activate
expenses	Expenses	1.0.0	active	accounting, masters	Deactivate
inventory	Inventory	1.0.0	active	accounting, masters	Deactivate
masters	Masters	1.0.0	active		Deactivate
personnels	Personnels (staff directory)	1.0.0	discovered	masters	Install Activate
purchasing	Purchasing & Suppliers	1.0.0	active	accounting, inventory, masters, compliance	Deactivate

The Plugins screen: upload a plugin zip, install and activate - all from the browser.

Optional add-ons - reps, personnels, salaries (payroll -> GL), rosters - stay deactivated until you activate them. Removing one permanently means deleting its folder under plugins/ (the hosting file manager works fine). Deactivation preserves data.

Command-line equivalents (optional)

```
php bin/console plugin:list
php bin/console plugin:activate salaries
php bin/console plugin:deactivate salaries # data preserved
```

Optional add-ons — reps, personnels, salaries (payroll -> GL), rosters — stay deactivated until you activate them. Removing one permanently means deleting its folder under plugins/ before install: discovery skips missing folders silently and no orphan menus remain.

Resetting and reloading

```
php bin/console db:wipe      # empty database -> migrate -> seed masters -> reactivate plugins
php bin/console demo        # reload the deterministic demo dataset
```

Backups

- MariaDB: mysqldump of the database plus the .env file
- SQLite demo: copy var/pharma.sqlite plus .env
- Always keep var/license-token.txt (production licensing) in a safe place

Troubleshooting

Symptom	Fix
Login rejected	db:wipe re-seeds admin@pharma.local/admin123 — or use the installer with --force
Blank pages after moving the app	Check var/ is writable and .env DB settings match your server
License shows invalid after DB res	php bin/console license:restore
A plugin's menu is missing	plugin:list to check status; activate it or check your role's permissions
Demo data already present	db:wipe first, or demo --force for a second round

PharmaERP — PharmaERP User Manual

Full reference for every module



HIVETECH

our technology at your hand