STORIFY

[redacted] — Logic Flow Document

[redacted] 1.0 | [redacted] 2026

#	[redacted] Flow
1	[redacted] (Tenant Provisioning)
2	[redacted] (Authentication)
3	[redacted] — [redacted]
4	[redacted] — [redacted]
5	[redacted] — [redacted]
6	[redacted]
7	[redacted]
8	[redacted]
9	[redacted]
10	[redacted]
11	[redacted]
12	[redacted]

1. [redacted] — Tenant Provisioning

[redacted] flow [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted].

[redacted]

▼

1 **[redacted]**
[redacted] [redacted] [redacted] subdomain [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

◆ **[redacted] subdomain [redacted]**

▼

[redacted] **[redacted]**: '[redacted] [redacted] [redacted] [redacted] [redacted]'

▼

[redacted] **[redacted]**

▼

2 **[redacted]**
Starter / Professional / Enterprise — [redacted] [redacted] [redacted]

▼

3 **[redacted] [redacted] [redacted] [redacted] 14 [redacted]**
[redacted] [redacted] [redacted]

▼

4 **[redacted] [redacted] Tenant [redacted] Master DB**
tenants table: name, subdomain, schemaName, planId

▼

5 **[redacted] PostgreSQL Schema [redacted]**
CREATE SCHEMA tenant_{subdomain}

▼

6 **[redacted] Migrations [redacted] [redacted] Schema [redacted]**
[redacted] [redacted] 25+ [redacted] [redacted]

▼

7 **Seed [redacted] [redacted]**
5 [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] EGP[redacted] [redacted] [redacted]

▼

8 **[redacted] Super Admin**
[redacted] super_admin[redacted] [redacted]

▼

9 **[redacted]**
[redacted]: {subdomain}.storify.com

▼

[redacted] — [redacted] {subdomain}.storify.com

▼

2. [redacted] — Authentication

[redacted] request [redacted] [redacted] Tenant Middleware [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Auth Middleware.

[redacted] [redacted] {subdomain}.storify.com

▼

1 Tenant Middleware [redacted] [redacted] subdomain [redacted] [redacted] hostname

▼

◆ **[redacted] [redacted] tenant [redacted] [redacted]**

▼

[redacted] 404 — [redacted] [redacted] [redacted]

▼

[redacted] [redacted] [redacted] [redacted] [redacted]

▼

◆ **[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]**

▼

[redacted] 402 — subscription_required — [redacted] [redacted] [redacted]

▼

[redacted] [redacted] connection [redacted] schema [redacted] [redacted] tenant

▼

2 [redacted] [redacted] [redacted] [redacted] [redacted]

▼

◆ **[redacted] [redacted] [redacted] [redacted] [redacted]**

▼

[redacted] 401 — [redacted] [redacted] ([redacted] [redacted] [redacted] [redacted])

▼

[redacted] [redacted] JWT Tokens

▼

3 **Access Token (15 [redacted]) + Refresh Token (7 [redacted])**
Refresh Token [redacted] HttpOnly Cookie [redacted]

▼

4 [redacted] last_login [redacted] [redacted] [redacted]

▼

[redacted] — [redacted] Dashboard [redacted]

▼

Refresh Token Flow: [redacted] Access Token [redacted] (15 [redacted])[redacted] [redacted] access token [redacted] refresh token [redacted] cookie. [redacted].

3. [redacted] — [redacted]

[redacted] flow [redacted]. [redacted].

[redacted] (POS)

▼

1 **[redacted]**
[redacted] (Scanner [redacted]) [redacted]

▼

◆ [redacted]

▼

[redacted]: '[redacted]' — [redacted]

▼

[redacted]

▼

2 **[redacted] ([redacted])**
[redacted] % [redacted] / [redacted] / [redacted]

▼

◆ [redacted]

▼

[redacted] ([redacted])

▼

[redacted]

▼

3 **[redacted]**
[redacted] + VAT [redacted] - [redacted] = [redacted]

▼

4 **[redacted]**
[redacted]

▼

◆ [redacted]

▼

[redacted] — [redacted]

▼

■■ ■■■■■ ■■■■■■■■ ■■■■■■■

▼

5 ■■■■■■ ■■■■■■ ■■■■■■■ ■■■■■■■■■■
■■■■■■ ■■ invoices + invoice_items

▼

6 ■■■■■■ ■■■■■■■■ ■■■■■■■■■■
■■■■■■ stock_movement (out) ■■■ ■■■■ ■■ ■■■■■■■■■■

▼

7 ■■■■■■ used_count ■■■■■■■■ (■■ ■■■■■)

▼

■ ■■■■■■ ■■■■■■■■■■ (A4/A5) ■■ ■■■■■■ PDF

▼

4. [redacted] — [redacted]

[redacted] [redacted] flows [redacted] [redacted]. [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted].

[redacted] [redacted] '[redacted] [redacted] [redacted]'

▼

1 **[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]**
[redacted]: [redacted] [redacted] [redacted]

▼

◆ **[redacted] [redacted] [redacted]**

▼

[redacted] [redacted] [redacted] — [redacted] [redacted] [redacted] [redacted] (Cloudflare R2)

▼

[redacted] [redacted] [redacted] [redacted]

▼

2 **[redacted] [redacted] [redacted] ([redacted] [redacted] flow [redacted] [redacted])**

▼

3 **[redacted] [redacted] [redacted]**
[redacted] ([redacted] [redacted] %)[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] ([redacted])[redacted] [redacted] ([redacted])

▼

4 **[redacted] [redacted] [redacted]**
[redacted] [redacted] = ([redacted] - [redacted] + [redacted]) ÷ [redacted] [redacted]

▼

◆ **[redacted] [redacted] [redacted] [redacted]**

▼

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] (exchange_rate_at_contract)

▼

[redacted] [redacted] [redacted]

▼

5 **[redacted] [redacted]**
[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] — [redacted] [redacted] PNG [redacted] R2

▼

6 **[redacted] [redacted] [redacted] pending_approval**
[redacted] [redacted] [redacted] — [redacted] [redacted] [redacted] [redacted]

▼

7 **[redacted] (Branch Manager / Super Admin)**
[redacted]

▼

◆ [redacted]

▼

[redacted] — [redacted] — [redacted]

▼

[redacted] — approved_by = manager_id

▼

8 **[redacted]**
[redacted] + [redacted] + [redacted]

▼

9 **[redacted]**
installment_payments: [redacted]

▼

[redacted] PDF (A4) [redacted]

▼

5. [redacted] — [redacted]

[redacted] Valu [redacted] Sympl [redacted] [redacted]. [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted].

[redacted] [redacted] '[redacted] [redacted]'

▼

1 [redacted]

▼

2 [redacted]
Valu / Sympl / [redacted] / [redacted]

▼

3 [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]
Reference Number [redacted] [redacted] [redacted] [redacted]

▼

4 [redacted] % ([redacted])

▼

5 [redacted] **cash (payment_type = installment_external)**
[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

6 [redacted] [redacted] [redacted] [redacted]
external_financing: company_name, reference_no, commission_pct

▼

7 [redacted]

▼

[redacted] [redacted] — [redacted] [redacted] '[redacted] [redacted]: Valu'

▼

[redacted]: [redacted] [redacted] [redacted] APIs [redacted] [redacted] [redacted] [redacted] [redacted].
[redacted] [redacted] [redacted]. [redacted] [redacted] [redacted] Valu/Sympl [redacted] [redacted] [redacted].

6. [redacted]

6.1 [redacted]

[redacted] / [redacted]

▼

1 **[redacted]**
[redacted]

▼

2 **[redacted] VAT [redacted]**
0% / 14% / [redacted]

▼

3 [redacted] (**[redacted]**) — Cloudflare R2

▼

4 **[redacted] (min_quantity)**
[redacted]

▼

5 **[redacted]**

▼

6 **[redacted] stock record [redacted]**
stock: product_id, branch_id, quantity, min_quantity

▼

[redacted] POS

▼

6.2 [redacted]

[redacted]

▼

1 **[redacted]** min_quantity

▼

◆ **[redacted] ≤ min_quantity[redacted]**

▼

[redacted] **[redacted] — [redacted]**

▼

[redacted]

▼

2

[redacted] Dashboard [redacted]

'[redacted] X [redacted] [redacted] [redacted] [redacted] [redacted] Y'

▼

[redacted]

▼

7. [redacted]

[redacted] / [redacted]

▼

1 [redacted]: [redacted]

▼

◆ [redacted]

▼

[redacted]: '[redacted]'

▼

[redacted] pending

▼

◆ [redacted]

▼

[redacted] — [redacted]

▼

[redacted] (tenant)

▼

2 [redacted]:
stock_movement (out) [redacted] + stock_movement (in) [redacted]

▼

3 [redacted] completed

▼

[redacted] — [redacted]

▼

8. [redacted]

[redacted] — [redacted]

▼

1 [redacted]

▼

2 [redacted]

▼

3 [redacted]
[redacted] / [redacted] / [redacted]

▼

◆ [redacted]

▼

[redacted] restock = true — [redacted]

▼

[redacted] restock = false — [redacted]

▼

4 [redacted]

▼

◆ [redacted]

▼

[redacted] refund — [redacted]

▼

[redacted] credit — [redacted] (credit_balance)

▼

5 [redacted]
returns + return_items

▼

6 [redacted] **(restock = true)**
stock_movement (in)

▼

[redacted] — [redacted]

9. [redacted]

[redacted] / [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

1 [redacted]
[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

2 [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

3 [redacted] [redacted] [redacted] [redacted]

▼

◆ [redacted] [redacted] [redacted] [redacted] [redacted]

▼

[redacted] [redacted] [redacted] [redacted]

▼

[redacted] [redacted]

▼

4 [redacted] — [redacted] [redacted]
purchase_receipts: [redacted] [redacted] [redacted] [redacted]

▼

5 [redacted] [redacted] [redacted]
stock_movement (in) [redacted] [redacted] [redacted]

▼

6 [redacted] [redacted] [redacted]
suppliers.balance — [redacted] [redacted] [redacted]

▼

◆ [redacted] [redacted] [redacted]

▼

[redacted] [redacted] — purchase_payments + supplier_transactions

▼

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]

▼

[illegible] — [illegible]

▼

10. [redacted]

[redacted]

▼

1 [redacted]
[redacted] / [redacted] / [redacted] / [redacted] / [redacted] / [redacted]

▼

2 [redacted]: [redacted] [redacted] [redacted] [redacted] [redacted]

▼

3 [redacted] [redacted] [redacted] ([redacted]) — Cloudflare R2

▼

4 [redacted] [redacted] [redacted] pending

▼

◆ [redacted] [redacted] [redacted] [redacted]

▼

[redacted] [redacted] [redacted]

▼

◆ [redacted] [redacted] [redacted]

▼

[redacted] [redacted] — [redacted] [redacted]

▼

[redacted] [redacted] — status = approved

▼

[redacted] [redacted] ([redacted] [redacted] [redacted] [redacted]) — [redacted] [redacted]

▼

[redacted]

▼

11. [redacted] Dashboard

[redacted]	[redacted]	[redacted]	[redacted]
Dashboard [redacted]	Super Admin / Branch Manager	[redacted]	—
[redacted]	[redacted] / [redacted]	[redacted]	Excel / PDF
[redacted]	[redacted] / [redacted]	[redacted]	Excel / PDF
[redacted]	[redacted] / [redacted]	[redacted]	Excel / PDF
[redacted]	[redacted] / [redacted]	[redacted]	Excel / PDF
[redacted]	[redacted] / [redacted]	[redacted]	Excel / PDF
[redacted]	Super Admin / [redacted]	[redacted] - [redacted] - [redacted] = [redacted]	Excel / PDF

> [redacted]: Excel [redacted] SheetJS [redacted] [redacted] Frontend[redacted] [redacted] PDF [redacted] BullMQ job [redacted] [redacted] ([redacted] [redacted] [redacted] server). [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted].

12. [redacted]

Super Admin / Branch Manager [redacted]

▼

1 **[redacted]**
[redacted]

▼

2 **[redacted]**
Super Admin / Branch Manager / Cashier / Inventory Keeper / Accountant

▼

■ Branch Manager [redacted] — Super Admin [redacted]

3 **[redacted]**

▼

4 **[redacted]**

▼

◆ **[redacted] feature [redacted]**

▼

[redacted]: '[redacted]' — feature guard middleware

▼

[redacted]

▼

5 **[redacted] request [redacted] Permission Guard**
[redacted]: tenant active ✓ user active ✓ permission[resource][action] ✓

▼

[redacted]

▼

[redacted] Flows

[redacted]	[redacted]
[redacted] request [redacted] Tenant Middleware	[redacted] subdomain → [redacted] schema → [redacted]

[redacted]	[redacted]
[redacted] action [redacted] [redacted]	[redacted] [redacted] [redacted] [redacted] — [redacted] audit trail [redacted]
[redacted] [redacted] [redacted]	[redacted] → [redacted] [redacted] [redacted] → [redacted] [redacted] → [redacted] [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted]	[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]
[redacted] [redacted] Cloudflare R2	[redacted] [redacted] [redacted] PDF[redacted] [redacted] [redacted] [redacted] [redacted]
BullMQ [redacted] [redacted]	[redacted] PDF[redacted] [redacted] SMS[redacted] [redacted] Excel — [redacted] [redacted] [redacted] server