

## 📄 Page 4: Delivery Logging and Stock Flow

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### 4.1 Delivery in the Market Context

Baba Nyanya does not always hand over the tomatoes directly to the buyer. In many cases:

- He sends tomatoes via a **porter, assistant, or mkokoteni (pushcart)** operator.
- These deliveries are common for **repeat customers** or when the buyer's stall is far from his location.
- Deliveries can happen multiple times per day, increasing risk of confusion or denial by buyers.

Without proper delivery tracking:

- Buyers may deny receiving goods.
  - Baba forgets who delivered what and where.
  - Payments can be delayed due to lost trust or poor record keeping.
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### 4.2 What the System Needs to Capture (Delivery Module)

Each delivery should include:

Field	Description
<b>Buyer Name</b>	Who the tomatoes were sent to
<b>Tomato Type &amp; Quantity</b>	What product and how much was sent
<b>Delivery Location</b>	e.g., Gikomba Stall 22, behind Naivas
<b>Delivery Person</b>	Name of porter or delivery agent (e.g., Otieno, James)
<b>Delivery Status</b>	Delivered / Pending / Failed
<b>Delivery Time/Date</b>	When the tomatoes were sent or confirmed received
<b>Payment Status</b>	Paid / Unpaid (linked to the debt module)

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### 4.3 Daily Flow Example

- 📦 Baba Nyanya gets 10 crates of Roma tomatoes
- ☐ Mama Njeri calls and orders 2 buckets to be delivered to her stall
- 🚚 Otieno the mkokoteni guy takes the tomatoes at 6:45 AM
- ✓ Delivery is recorded in the app as:

- Buyer: Mama Njeri
- Product: Roma
- Quantity: 2 buckets
- Delivery Person: Otieno
- Status: Delivered
- Payment: Unpaid

🔔 Later, system shows that Mama Njeri owes 700 KES

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#### 4.4 Benefits of a Delivery Log

Problem	Solution
Disputes ("I didn't receive it!")	There is a clear record with delivery name and time
Forgetting who made the delivery	Log tracks delivery person for accountability
Follow-ups are difficult	System shows which deliveries are unpaid
Buyer tries to deny quantity or type	Delivery notes provide proof

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#### 4.5 Linking to Stock Tracking

Every delivery or sale **automatically reduces stock** from the inventory.

Example:

- Baba starts day with 10 crates of Roma
  - He sells 3 buckets to Mama Grace (not delivered)
  - He delivers 2 buckets to Mama Njeri
  - Remaining stock = automatically updated to 5 crates (or equivalent in buckets)
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#### 4.6 Optional Stock Fields to Consider

Field	Purpose
<b>Opening Stock</b>	What Baba has in the morning (per type)
<b>Stock Sold</b>	Auto-updated after each sale
<b>Stock Delivered</b>	Track items sent out, separate from walk-in sales
<b>Remaining Stock</b>	Auto-calculated
<b>Spoilage Flag</b>	Mark what went bad by end of day
<b>Restock Alerts</b>	Optional notification if product is running low

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## 4.7 Why This Is Important

Real World Need	System Feature
Knowing where tomatoes went	Delivery logs by customer & location
Avoiding theft/loss	Each delivery linked to a delivery agent
Accurate stock management	Every transaction updates inventory in real-time
Prevent spoilage	Alerts or tracking slow-moving items