SHOPWORLD Solution Designs: Functionality and Full Set-Ups

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System	What It Does	How It Helps SHOPWORLD
Barcode Scanning	Reads product codes to update stock instantly	Keeps inventory accurate and up-to-date
Automatic Alerts	Sends messages when stock is low	Prevents running out of popular products
Dashboards	Shows which products sell fast or slow	Helps decide what to buy more or promote
Unified Access	Shares the same inventory info with all teams	Ensures everyone works with the same data
Auto Reorder Requests	Creates orders automatically when needed	Makes restocking faster and easier

How the SHOPWORLD Inventory System Will Work (Step-by-Step)

1. Setting Up the System

- First, barcode scanners are set up in each department: sales, store, and procurement.

- Each product gets a barcode label stuck on it.

- A central inventory software is installed. This software will keep track of all products and stock levels.

- The software is connected to the barcode scanners, SMS gateway, and dashboard tools.

2. Real-Time Inventory Tracking

- When a product is received into the store, someone scans its barcode using the scanner.

- The scanner sends the product information instantly to the inventory software.

- The software updates the stock count immediately in the system.

- When a product is sold or moved to another department, the barcode is scanned again.

- Each scan reduces or moves the stock in real-time, so everyone knows exactly how many items are left.

3. Automatic Alerts for Low Stock

- The software continuously monitors stock levels.

- When the stock for an item falls below a pre-set minimum, the system sends an automatic SMS alert to the procurement team.

- The SMS alert uses an SMS Gateway (like Vellamet or Digitext) to send messages quickly in Nigeria.

- This way, procurement knows to order more before the item runs out.

4. Dashboards for Fast and Slow Selling Items

- The software collects sales data and stock movement.

- This data feeds into dashboard software (like Power BI).

- The dashboard shows which items are selling fast and which are slow.

- Managers can view these dashboards on their computers or phones anytime.

- This helps with making better decisions about stock ordering and promotions.

5. Barcode Scanning for Instant Updates

- Every time a product is moved, sold, or received, scanning its barcode immediately updates the system.

- This scanning makes sure the inventory counts are always current without manual counting.

- If a barcode scanner isn't available, a mobile app on a smartphone can also scan barcodes and update the system

6. Unified Inventory Access for Departments

- The inventory software is cloud-based or networked.

- Sales, store, and procurement teams all log into the same system.

- This means everyone sees the same real-time stock information.

- No one works with outdated numbers; it avoids confusion and mistakes.

7. Automatic Reorder Request Generation

- When the system detects low stock (from step 3), it can also create a reorder request automatically.

- This request can be sent directly to the purchasing department or suppliers.

- This saves time because no one has to write reorder emails or make phone calls manually.

- The reorder level can be adjusted for each product depending on sales speed and lead time.

Summary: How Everything Connects

- Barcode scanners talk to the inventory software to keep stock levels updated in real-time.

- The software monitors stock and uses the SMS gateway to alert procurement when stock is low.

- Sales data feeds into dashboards for easy management review.

- All departments access the same system so they have unified, accurate inventory information.

- The system automatically creates reorder requests to keep stock flowing without delay.