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# Online Store Inventory Management

## Description

This project implements a no-code based inventory management system for a small online store. The system allows administrators to add products, track stock levels, and monitor inventory status in real time using automated workflows.

## Objectives

- Manage product inventory efficiently
- Track stock quantity and reorder levels
- Identify low stock and out-of-stock items automatically
- Generate inventory reports using filtered views

## Tools Used

- Airtable: Product database, formulas, and reports
- Jotform: Product entry form
- n8n: Inventory monitoring workflow
- ChatGPT: Workflow and logic planning

## System Workflow

1. Product details are entered using Jotform.
2. Data is automatically stored in Airtable.
3. Stock status is calculated using Airtable formulas.
4. Low stock and out-of-stock products are identified using filtered views.
5. n8n workflow retrieves inventory records for monitoring.

# Screenshots

## Screenshot 1: Jotform – Product Entry Form

The screenshot shows a Jotform product entry form titled "Online Store Inventory Management". The form is designed for updating store inventory records. It includes fields for Product Name, Product Category, Price, Stock Quantity, and Reorder Level. Each field is marked with a red asterisk indicating it is required. The form has an orange header bar with "BUILD", "SETTINGS", and "PUBLISH" buttons. A "Preview Form" toggle switch is also present in the top right corner. On the left side, there is a sidebar with an "Add Element" button and a plus sign icon.

Product Name \*

Please Select

e.g., 23

e.g., 23

Reorder Level \*

Ask Copilot

Link: <https://form.jotform.com/260384941438059>

## Screenshot 2: Jotform to Airtable Integration Screenshot

Link: <https://www.jotform.com/build/260384941438059/settings/integrations>

### 3: Airtable – Products Table with Status Formula

A- Product Name	# Stock Quantity	# Reorder Level	Status
1			Out of Stock
2			Out of Stock
3			Out of Stock
4 summa	90.4000	45	345 Low Stock
Notebook	50.0000	200	30 In Stock
dummy	34.0000	0	20 Out of Stock
5			Out of Stock

Link: <https://airtable.com/appJ9HL4HPeUo8vaM/shriYBICE4NnCfABf>

## Screenshot 4: Airtable – Low Stock Products View

The screenshot shows the Airtable interface for 'Online Store Inventory Management'. On the left, there's a sidebar with a 'Let's get started' section, import options (Excel, CSV, Google Sheets), and build tools. The main area displays a table titled 'Low Stock Products' with columns: Product Name, Reorder Level, and Status. A single row is shown: 'summa' with Reorder Level 45 and Status 'Low Stock'. The status column is highlighted in green. Filter options like 'Filtered by Status' and sorting tools are visible at the top of the table.

Product Name	Reorder Level	Status
summa	45	Low Stock

Link: <https://airtable.com/appJ9HL4HPeUo8vaM/shriYBICE4NnCfABf>

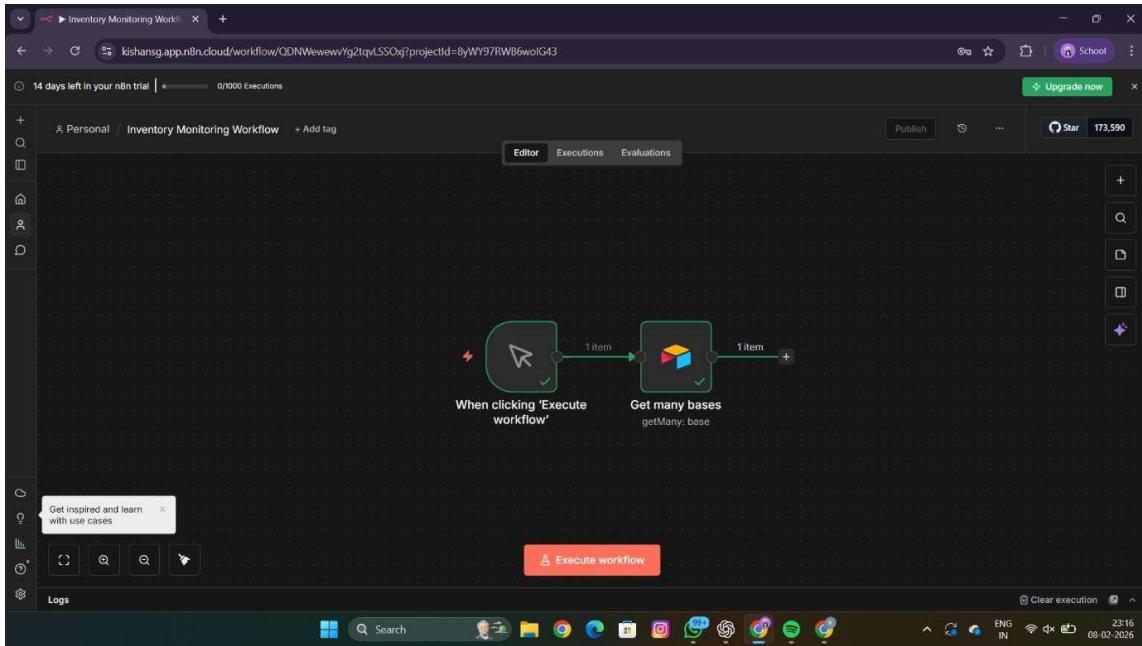
## Screenshot 5: Airtable – Out of Stock Products View

The screenshot shows the Airtable interface for 'Online Store Inventory Management'. Similar to Screenshot 4, it features a sidebar with various tools and a main table view. The table is titled 'Out of Stock Products' and includes columns for Product Name, Stock Quantity, Reorder Level, and Status. Four rows are listed: three blank entries (1, 2, 3) and one entry for 'dummy' with Stock Quantity 34.0000, Reorder Level 0, and Status 'Out of Stock'. The status column is highlighted in green. The bottom of the table shows summary statistics: 4 products, sum 34.0000, sum 0, and sum 20.

Product Name	Stock Quantity	Reorder Level	Status
1			Out of Stock
2			Out of Stock
3			Out of Stock
dummy	34.0000	0	Out of Stock

Link: <https://airtable.com/appJ9HL4HPeUo8vaM/shriYBICE4NnCfABf>

## Screenshot 6: n8n – Inventory Monitoring Workflow Execution



Link:<https://kishansg.app.n8n.cloud/workflow/QDNWewewvYg2tqvLSSOxj?projectId=8yWY97RWB6woIG43>

## Outcome

The system reduces manual inventory errors, improves visibility of stock levels, and helps store owners take timely restocking decisions using automated, no-code tools.