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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.

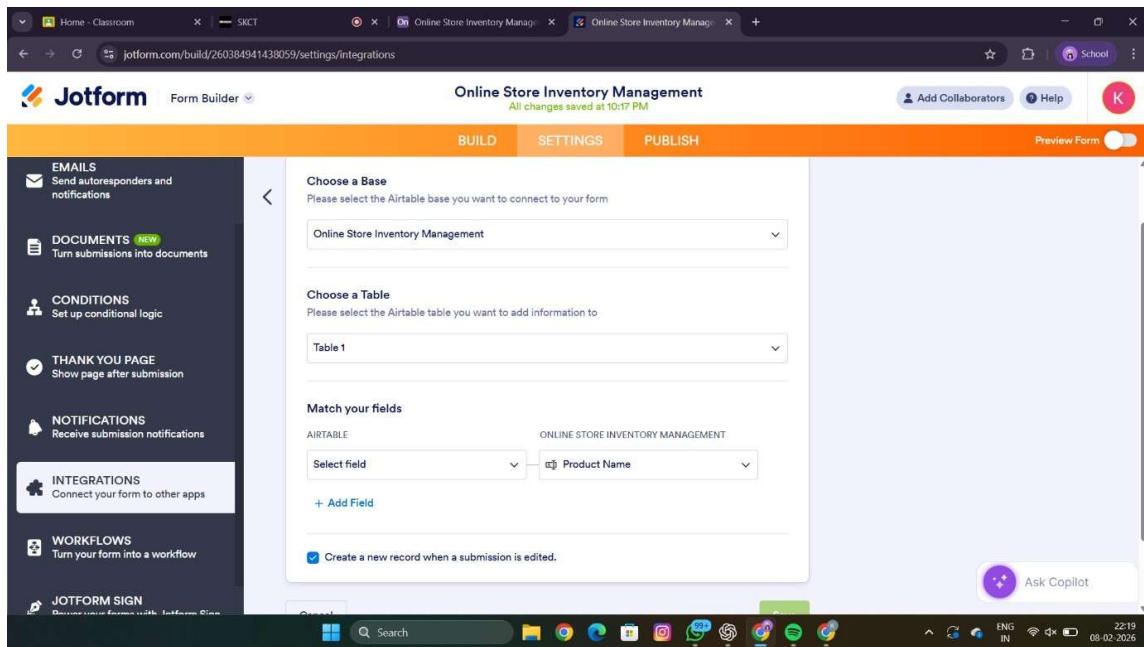
Screenshots

Screenshot 1: Jotform – Product Entry Form

The screenshot displays a Jotform interface for 'Online Store Inventory Management'. The form is titled 'Online Store Inventory Management' with a subtitle 'Enter product details to update your store's inventory records.' The form includes several input fields: 'Product Name' (text input), 'Product Category' (dropdown menu with 'Please Select' as the current selection), 'Price' (text input with a placeholder 'e.g., 23'), 'Stock Quantity' (text input with a placeholder 'e.g., 23'), and 'Reorder Level' (text input). The form is set against a light blue background with a white header bar containing 'BUILD', 'SETTINGS', and 'PUBLISH' tabs. A 'Preview Form' button is visible in the top right corner. On the left side, there is an 'Add Element' button with a plus sign. On the right side, there is a blue circular icon with a white arrow and a purple 'Ask Copilot' button at the bottom right.

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

Screenshot 2: Jotform to Airtable Integration Screenshot



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

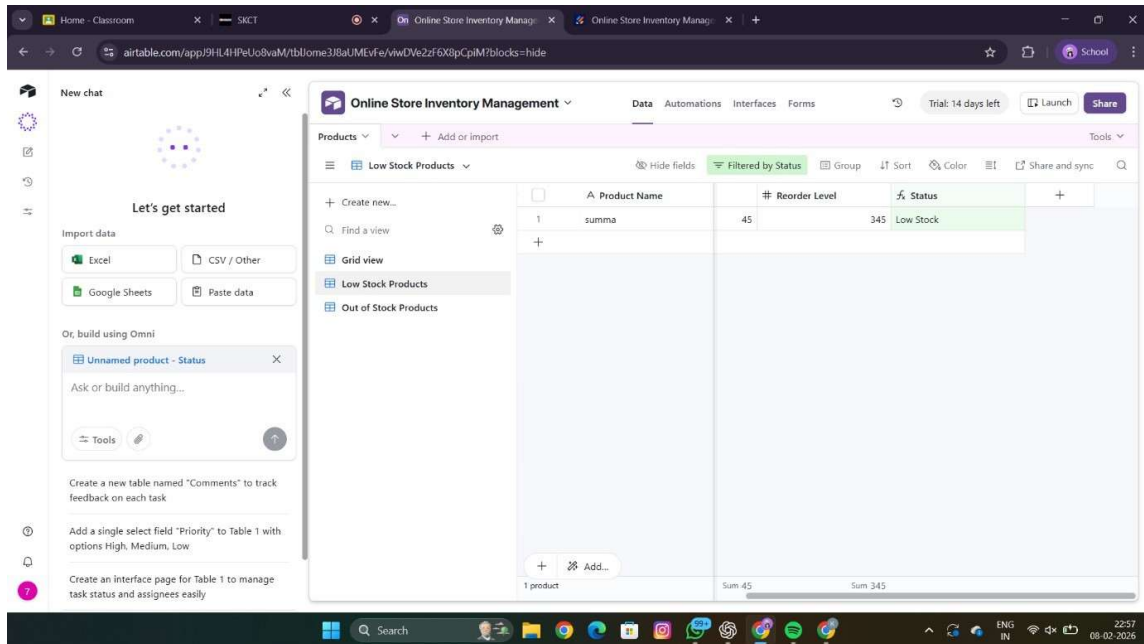
3: Airtable – Products Table with Status Formula

	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
5	Notebook	50.0000	200	30 In Stock
6	dummy	34.0000	0	20 Out of Stock

6 products m 174.4000 Sum 245 Sum 395

Link: <https://airtable.com/appJ9HL4HPeUo8vaM/shriYBICE4NnCbABf>

Screenshot 4: Airtable – Low Stock Products View

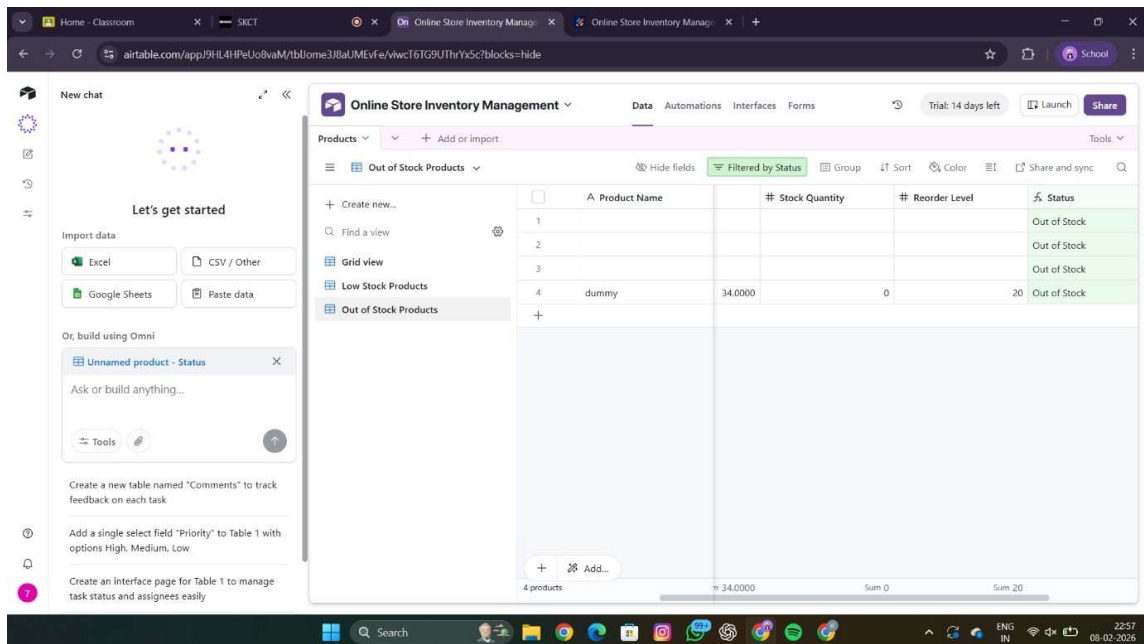


This screenshot shows the 'Low Stock Products' view in an Airtable database titled 'Online Store Inventory Management'. The interface includes a sidebar with 'New chat', 'Let's get started', and 'Import data' options (Excel, CSV / Other, Google Sheets, Paste data). The main table is filtered by 'Status' and shows one product with a status of 'Low Stock'. The table has columns for 'Product Name', 'Reorder Level', and 'Status'. The bottom of the table shows a summary: '1 product', 'Sum 45', and 'Sum 345'.

Product Name	Reorder Level	Status
1	45	Low Stock

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

Screenshot 5: Airtable – Out of Stock Products View

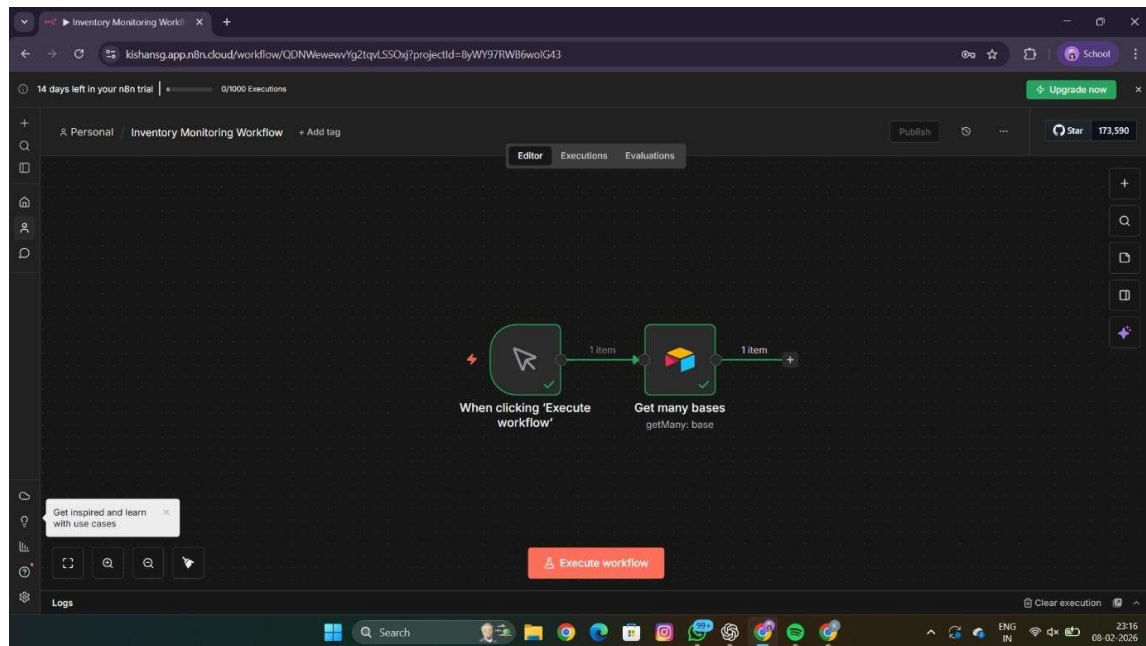


This screenshot shows the 'Out of Stock Products' view in the same Airtable database. The table is filtered by 'Status' and shows four products with a status of 'Out of Stock'. The table has columns for 'Product Name', 'Stock Quantity', 'Reorder Level', and 'Status'. The bottom of the table shows a summary: '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
4	34,0000	0	Out of Stock

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

Screenshot 6: n8n – Inventory Monitoring Workflow Execution



Link:<https://kishangsg.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.