

Online Store Inventory Management System

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Project Overview

The **Online Store Inventory Management System** helps a small online store manage product inventory, track stock levels in real time, and analyze sales performance.

The system uses automation to update stock whenever a sale occurs and provides insights into product performance using visual data.

This project is built using **no-code tools**, focusing on automation and ease of use.

Objectives

- Manage product details and inventory
- Track real-time stock levels
- Automatically update stock when sales occur
- Monitor product performance and sales trends
- Reduce manual inventory handling

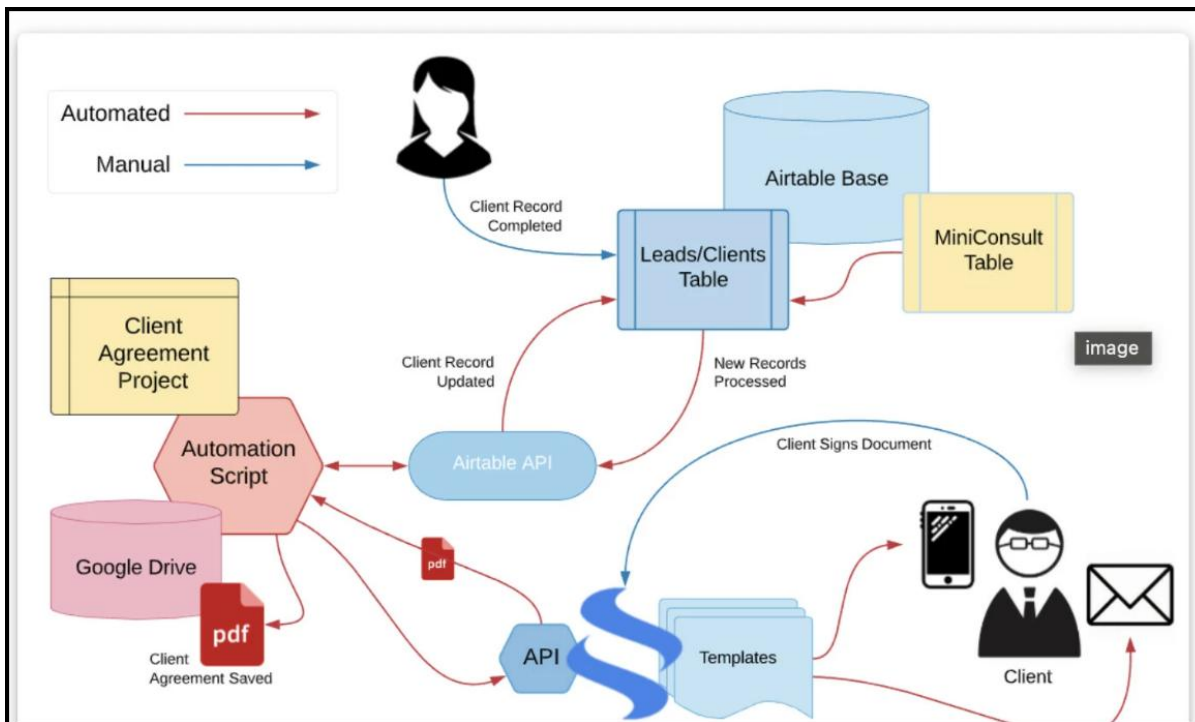
Tools Used

Tool	Purpose
Bubble	Web application for inventory management
Airtable	Store product and sales data
Jotform	Product input form
Make (Integromat)	Automation for stock updates and reports
ChatGPT	Brainstorming product categories and logic

System Architecture

The system follows an automated data flow:

1. Products are added via **Jotform**
2. Product data is stored in **Airtable**
3. Inventory is displayed in **Bubble**
4. Sales trigger **Make** automation
5. Stock levels are updated automatically



(Overall System Architecture / Tool Integration Diagram)

Database Design (Airtable)

Products Table

Field Name	Type	Description
Product ID	Auto Number	Unique product identifier
Product Name	Text	Name of the product
Category	Single Select	Product category
Price	Number	Price per unit
Stock Quantity	Number	Available quantity
Stock Status	Formula	In Stock / Low Stock / Out of Stock

Online Store Inventory

Data Automations Interfaces Forms

Products Sales + Add or import

Bubble_Products

Product ID	Product Name	Category	Price	Stock Quantity	Date Added	Stock
1	4 Table	Home & Kitchen	700.0	45.0	2/11/2026	In Stock
2	5 Desk	Home & Kitchen	30.0	6.0	2/16/2026	In Stock
3	6 bed	Home & Kitchen	5,000.0	10.0	2/12/2026	In Stock
4	7 Alchemist	Books	300.0	48.0	2/6/2026	In Stock
5	8 Mixie	Electronics	800.0	15.0	2/2/2026	In Stock
6	9 Angel of the dark	Books	250.0	0.0	2/5/2026	Out of Stock
7	10 Half Girlfriend	Books	350.0	70.0	2/4/2026	In Stock

7 products Sum 49 Sum 7,430.0 Sum 194.0

(Airtable – Products Table)

Sales Table

Field Name	Type	Description
Sale ID	Auto Number	Unique sale record
Product	Link to Products	Sold product
Quantity Sold	Number	Quantity sold
Sale Date	Date	Date of transaction
Total Price	Formula	Quantity × Price

Online Store Inventory

Data Automations Interfaces Forms

Products Sales + Add or import

Bubble_Sales

Sale ID	Product	Quantity Sold	Sale Date	Total Amount	Product Price
1	7	5.0	2/11/2026	1500	300.0
2	9	6.0	2/5/2026	1500	250.0
3	8	9.0	2/18/2026	7200	800.0
4	4 × +	7.0	2/17/2026	4900	700.0

4 records Sum 38 Sum 15100 Sum 2,050.0

Search

5

Product Name	Category	Price	Stock Quantity	Date Added
Desk	Home & Ki...	30.0	6.0	2/16/2026

6

Product Name	Category	Price	Stock Quantity	Date Added
bed	Home & Ki...	5,000.0	10.0	2/12/2026

7

Product Name	Category	Price	Stock Quantity	Date Added
Alchemist	Books	300.0	48.0	2/6/2026

8

Product Name	Category	Price	Stock Quantity	Date Added

(Airtable – Sales Table)

Product Input Using Jotform

Jotform is used to allow users to **add new products** easily.

Form Fields:

- Product Name
- Category
- Price
- Initial Stock Quantity

The form automatically sends data to Airtable.

Form Screenshot:

The screenshot shows the Jotform 'Inventory Management Form' in preview mode. The form is titled 'Inventory Management Form' and has a subtitle 'Record and manage your product inventory with essential details.' The form fields are: 'Product Name *' (text input), 'Category *' (dropdown menu with 'Please Select' as the placeholder), 'Price (in USD) *' (text input with 'e.g., 23' as the placeholder), and 'Stock Quantity *' (text input with 'e.g., 23' as the placeholder). The Jotform logo is in the bottom left, and the text 'Now create your own Jotform - It's free!' is in the bottom right. There is also an 'Ask Copilot' button in the bottom right corner.

Airtable Integration Screenshot:

The screenshot shows the Jotform 'Inventory Management Form' in the Airtable integration setup screen. The form is titled 'Inventory Management Form' and has a subtitle 'All changes saved at 8:41 PM'. The form is in the 'BUILD' tab. The left sidebar shows the 'INTEGRATIONS' section. The main content area shows the 'Choose a Base' and 'Choose a Table' sections. The 'Choose a Base' section has a dropdown menu with 'Online Store Inventory' selected. The 'Choose a Table' section has a dropdown menu with 'Products' selected. The 'Match your fields' section shows the mapping of fields between the 'AIRTABLE' and 'INVENTORY MANAGEMENT FORM'. The fields are: 'Product Name' (mapped to 'Product Name'), 'Category' (mapped to 'Category'), and 'Price' (mapped to 'Price (in USD)'). There is also an 'Ask Copilot' button in the bottom right corner.

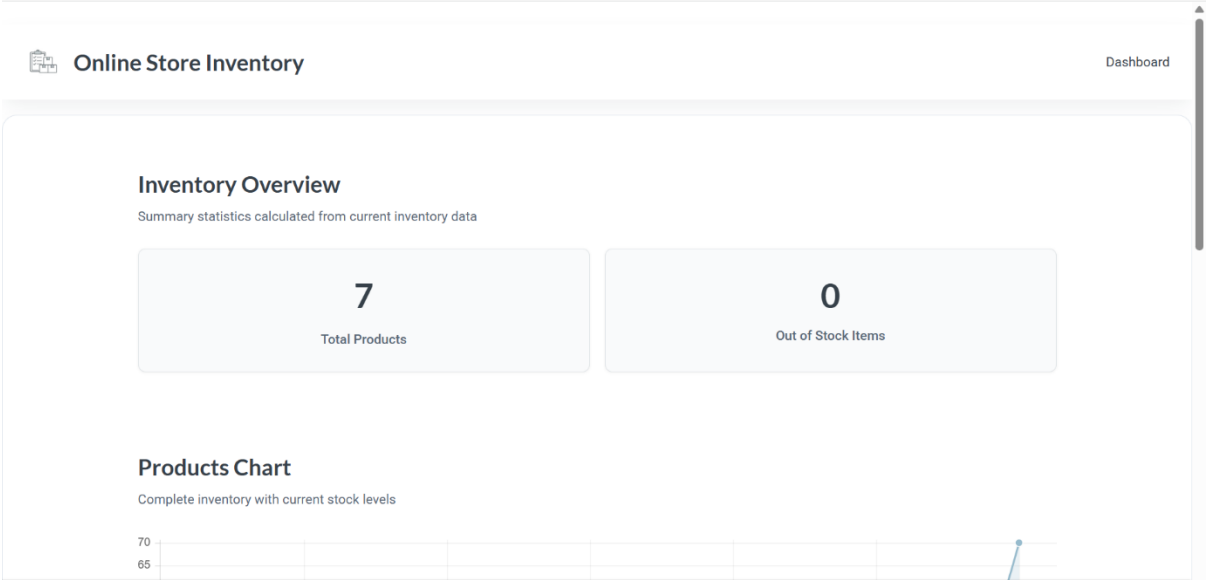
7. Inventory Management Application (Bubble)

Bubble acts as the **main interface** for inventory management.

Key Features:

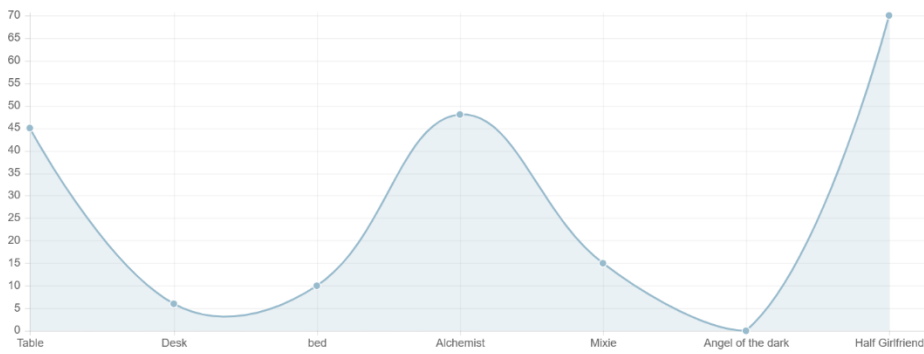
- View product list with stock levels
- Filter products by category and stock status
- View real-time stock updates
- Display sales and inventory charts

(Bubble – Inventory Dashboard)



Products Chart

Complete inventory with current stock levels



Record New Sale

Select a product and enter the quantity sold to record a new sale

Select Product

Select product

Table
Desk
bed
Alchemist
Mixie
Angel of the dark
Half Girlfriend

Quantity Sold

Enter quantity

Create Sale

Online Store
Simple inventory management

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Integration to Airtable

API Collections

Airtable Products

GET API Call

COLLECTION: Airtable Products

API Call: API Call

GET https://api.airtable.com/v0/app6zHDnqvdtGTvB/Products?view=Bubble_Products

Headers

Key Authorization Value Bearer patOKt90GeTXfkG Private Optional

Parameters

Include errors in response and allow workflow actions to continue

Capture response headers

RESPONSE Use as Data Data type JSON

Parsed Raw

records (list)

API Call record

API Collections **+ New**

Airtable Products 1

GET API Call

RESPONSE Use as Data Data type JSON

INITIALIZED 746 ms Re-initialize

records (list)
(see fields below)

API Call record

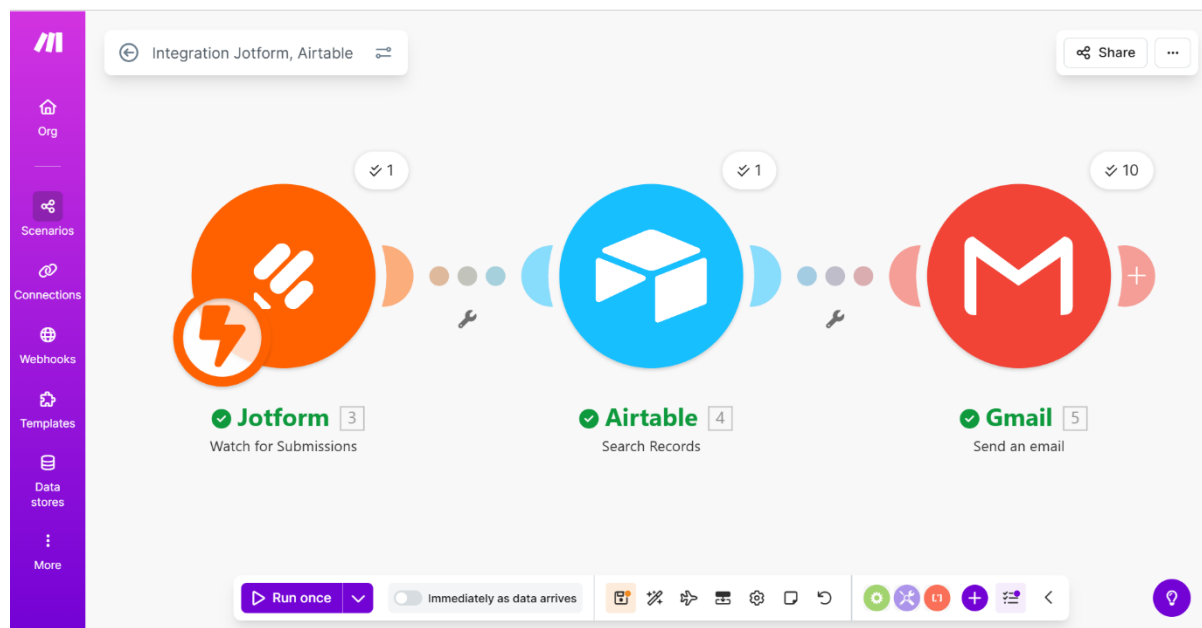
Field	Type
id recminDKvVLm3ssZSV	text
createdTime 2026-02-06T18:12:20.000Z	text
fields Product ID 4	number
fields Product Name Table	text
fields Category Home & Kitchen	text
fields Price 700	number
fields Stock Quantity 45	number
fields Stock Status In Stock	text
fields Date Added 2026-02-11	text

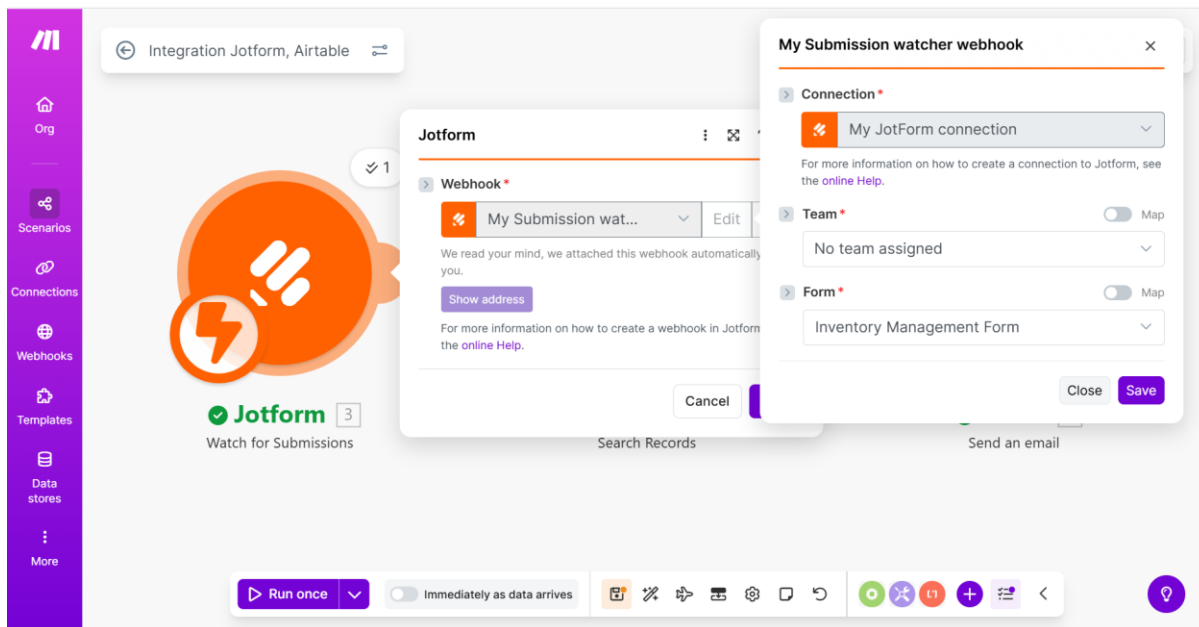
Automation Using Make

Make is used as the **only automation tool** in the system.

Stock Update Automation Workflow:

1. A new sale is added to Airtable
2. Make detects the new record
3. The sold quantity is subtracted from stock
4. Updated stock is saved back to Airtable
5. Changes are reflected in Bubble automatically





(Make – Stock Update Scenario)

Reports and Analytics Using Make

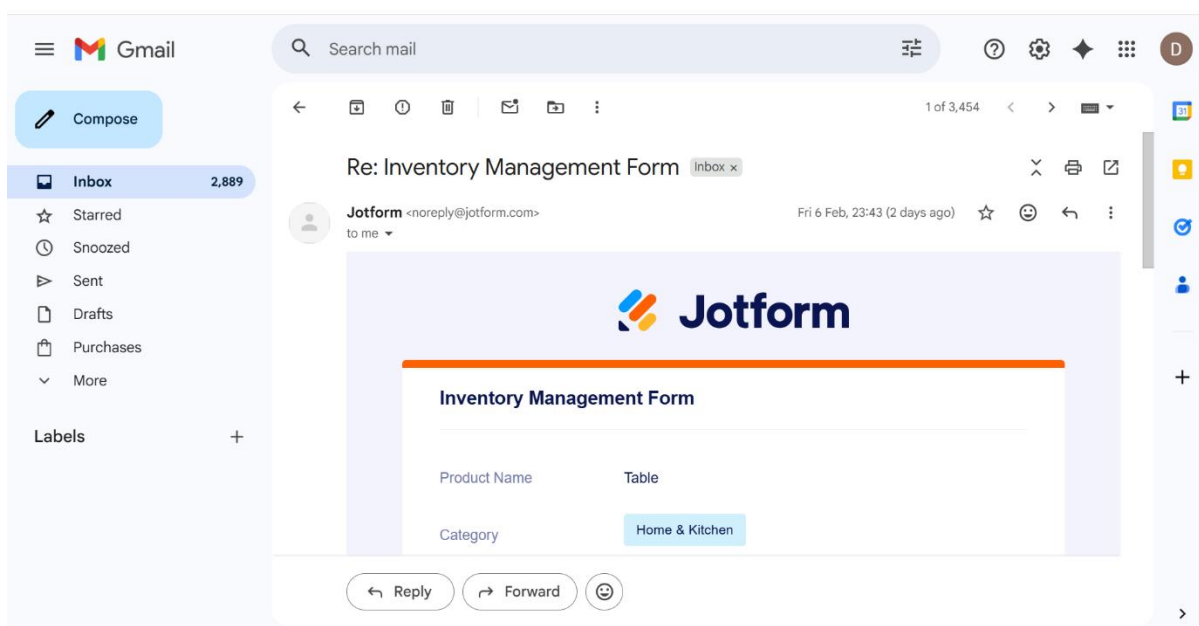
Make is also used to generate inventory and sales reports.

Automated Reports:

- Low stock products list
- Daily and monthly sales summary
- Top-selling products
- Inventory status report

Reports can be sent via:

- Email



(Make – Report Automation Scenario)

Key Features Summary

- Real-time inventory tracking
- Automated stock updates using Make
- Easy product input using forms
- Sales and inventory analytics
- Fully no-code solution

Conclusion

The Online Store Inventory Management System demonstrates how **Make** can be used as a powerful automation tool to manage inventory and sales processes.

The system improves accuracy, reduces manual effort, and provides valuable insights for business growth.