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

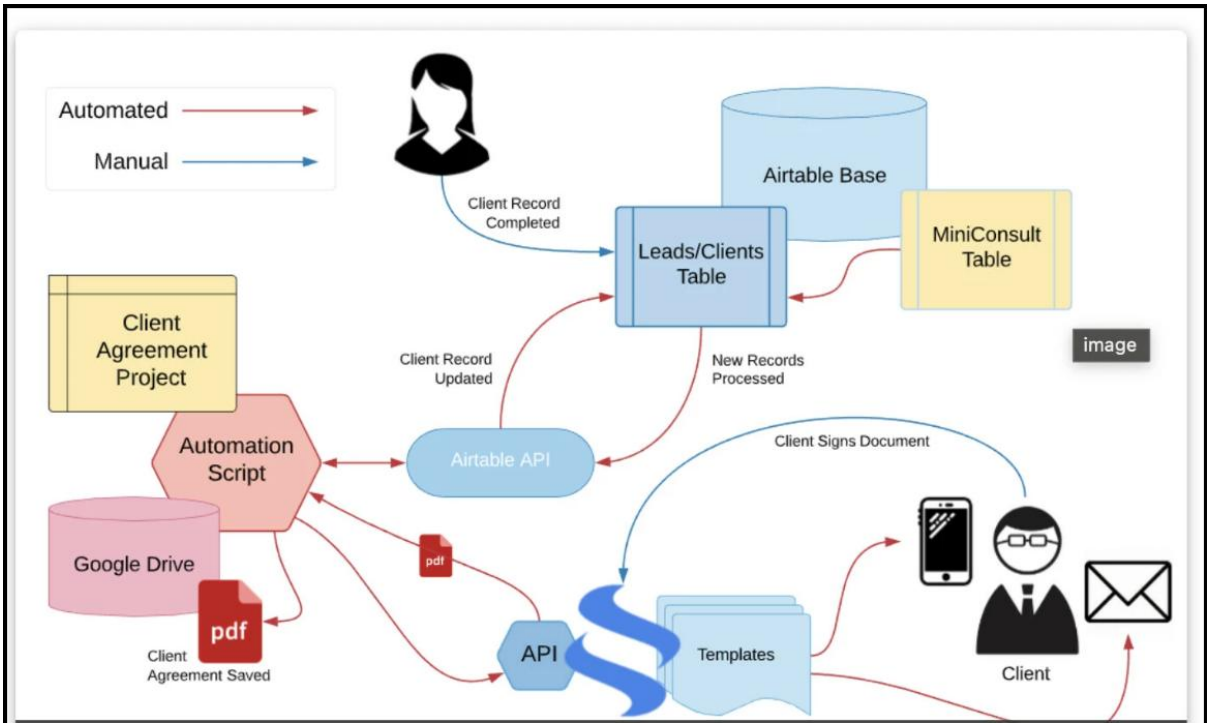
Tools Used

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

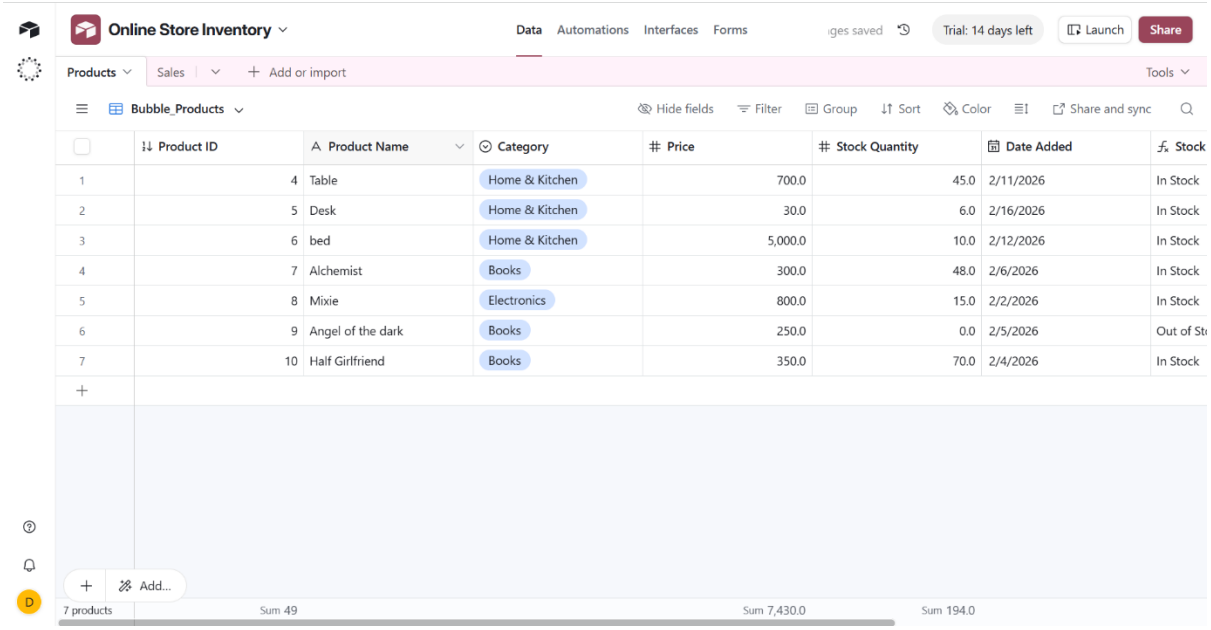


(Overall System Architecture / Tool Integration Diagram)

Database Design (Airtable)

Products Table

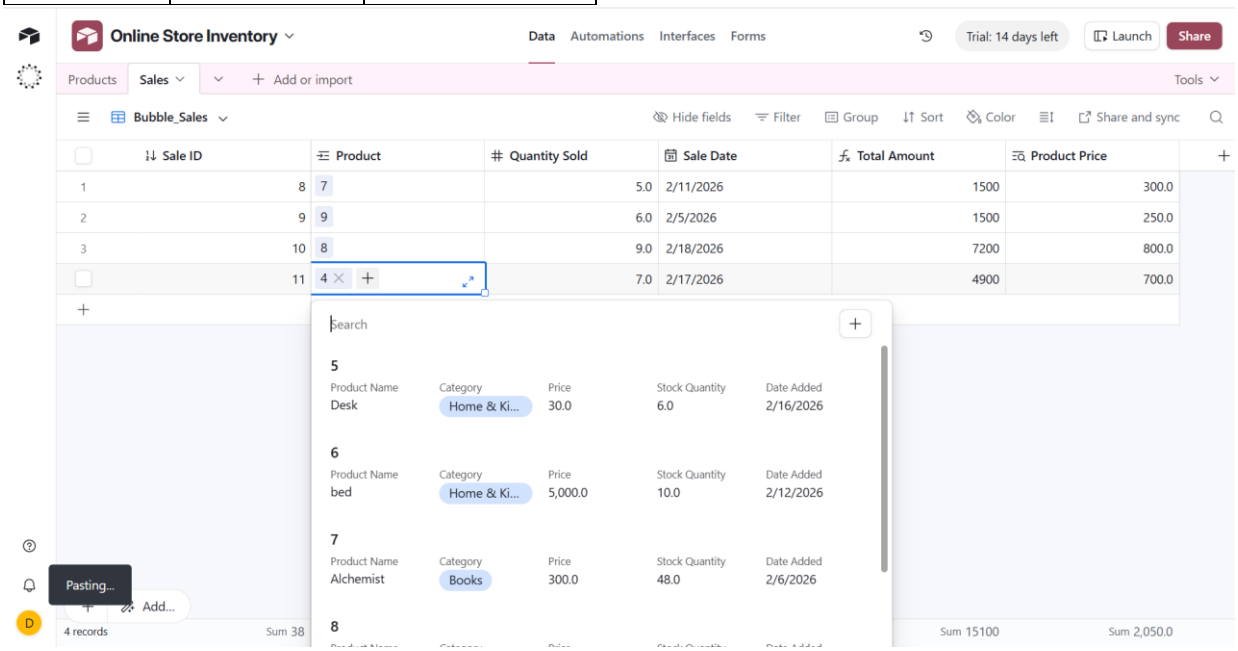
Field Name	**Type**	**Description**
Product ID	Auto Number	Unique product identifier
Product Name	Text	Name of the product
Category	Single Select	Product category
Price	Number	Price per unit
Stock Quantity	Number	Available quantity
Stock Status	Formula	In Stock / Low Stock / Out of Stock



(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



(Airtable – Sales Table)

Product Input Using Jotform

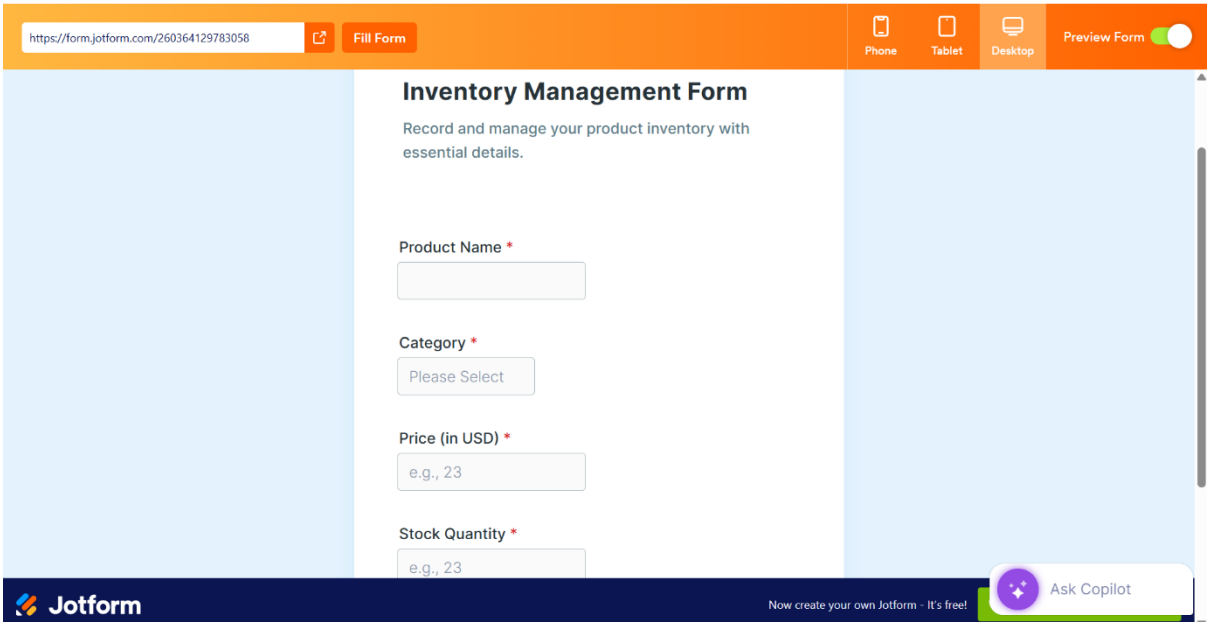
Jotform is used to allow users to **add new products** easily.

Form Fields:

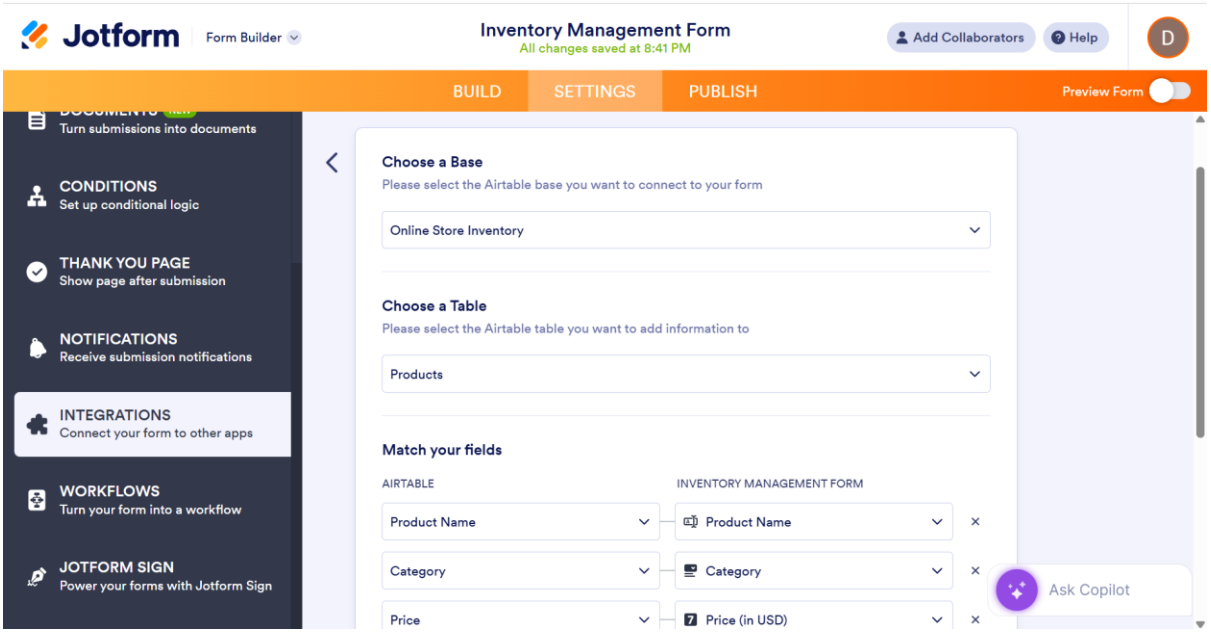
- Product Name
- Category
- Price
- Initial Stock Quantity

The form automatically sends data to Airtable.

Form Screenshot:



Airtable Integration Screenshot:



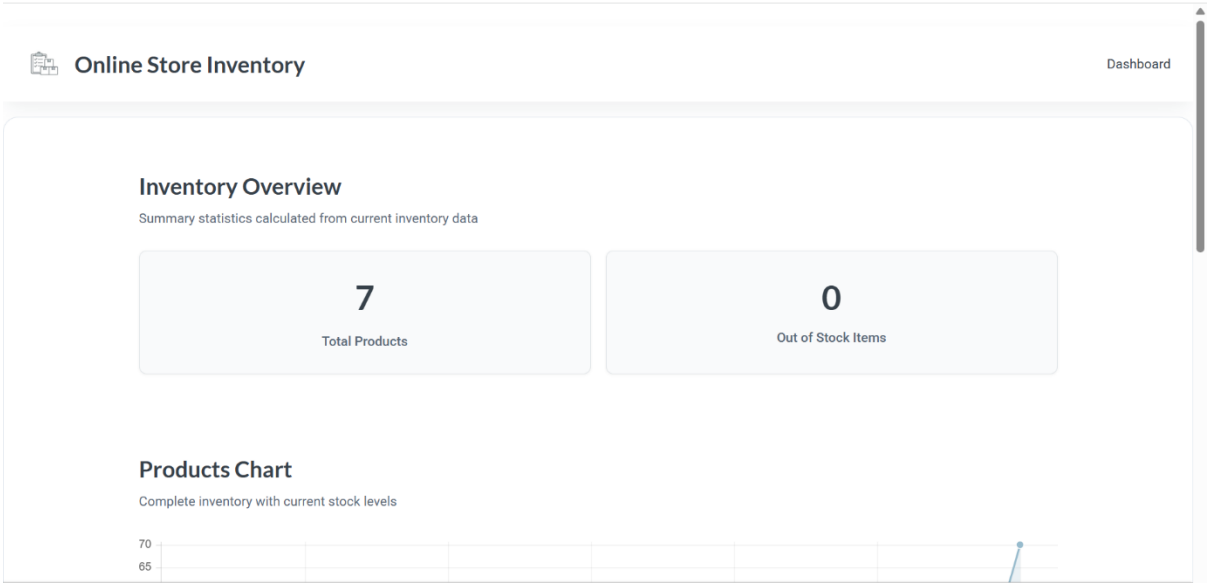
7. Inventory Management Application (Bubble)

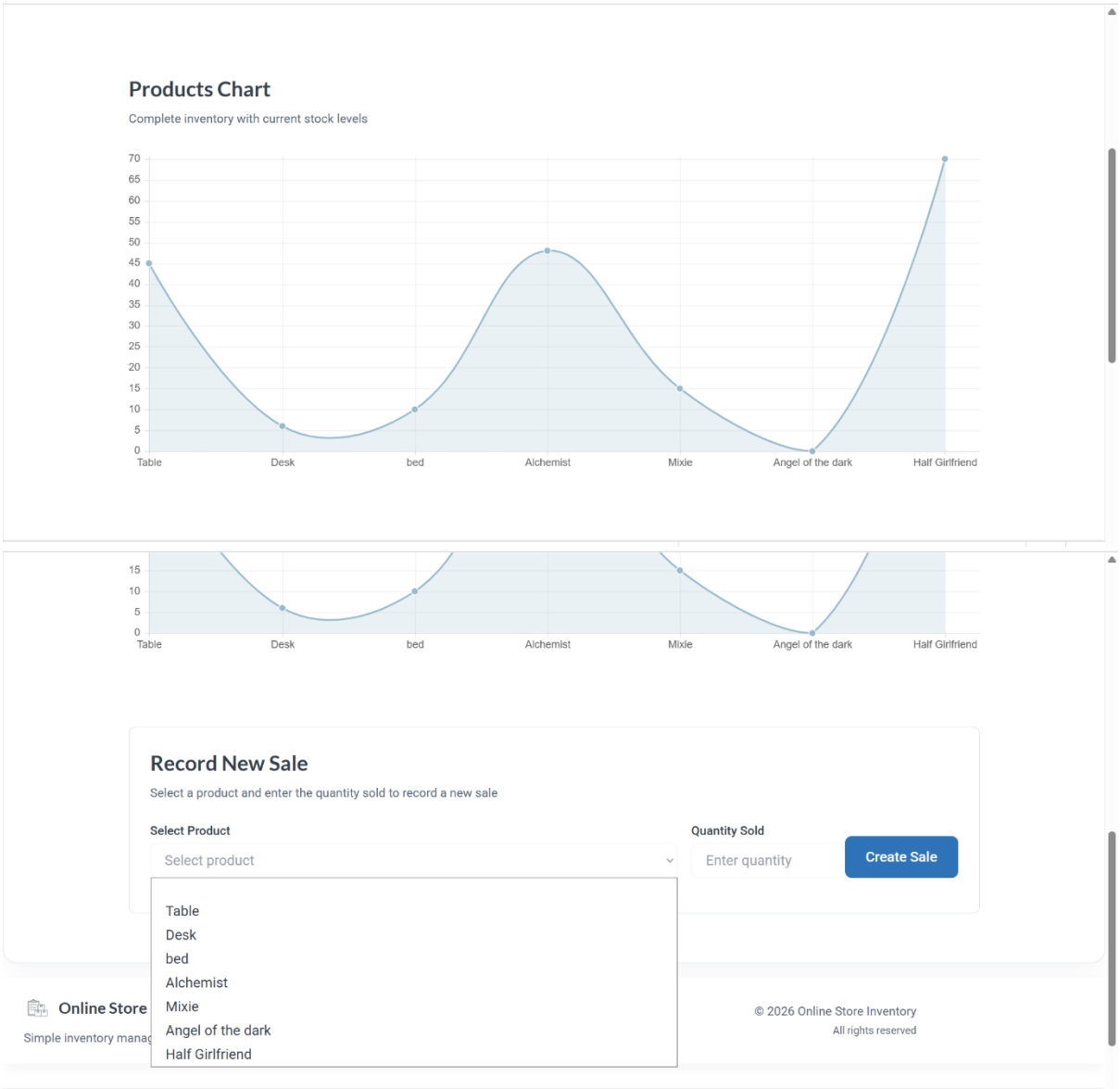
Bubble acts as the **main interface** for inventory management.

Key Features:

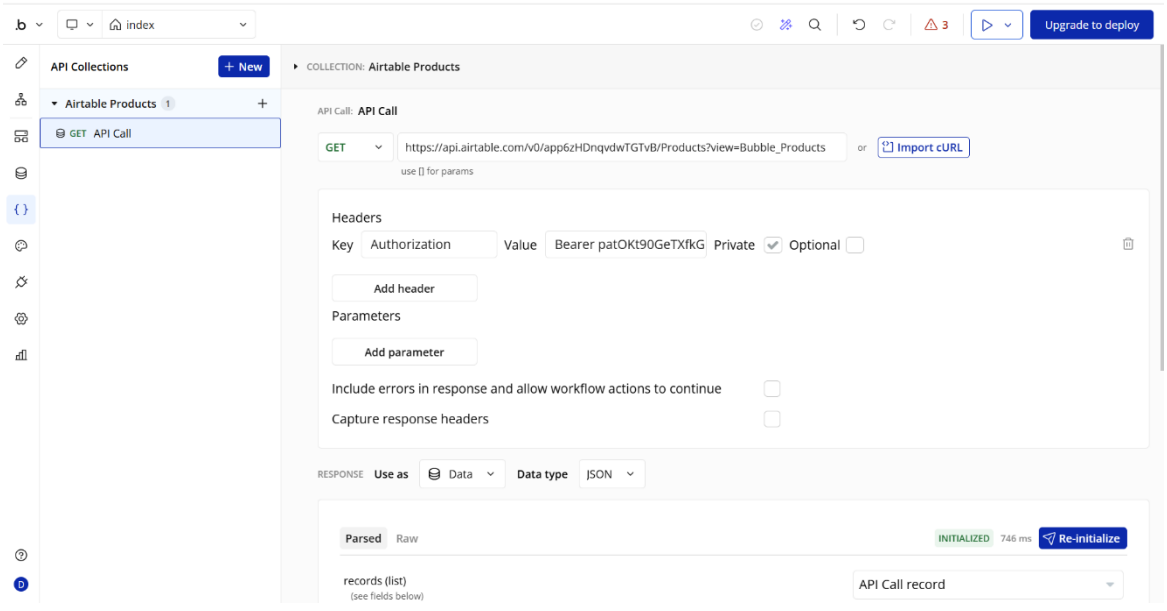
- View product list with stock levels
- Filter products by category and stock status
- View real-time stock updates
- Display sales and inventory charts

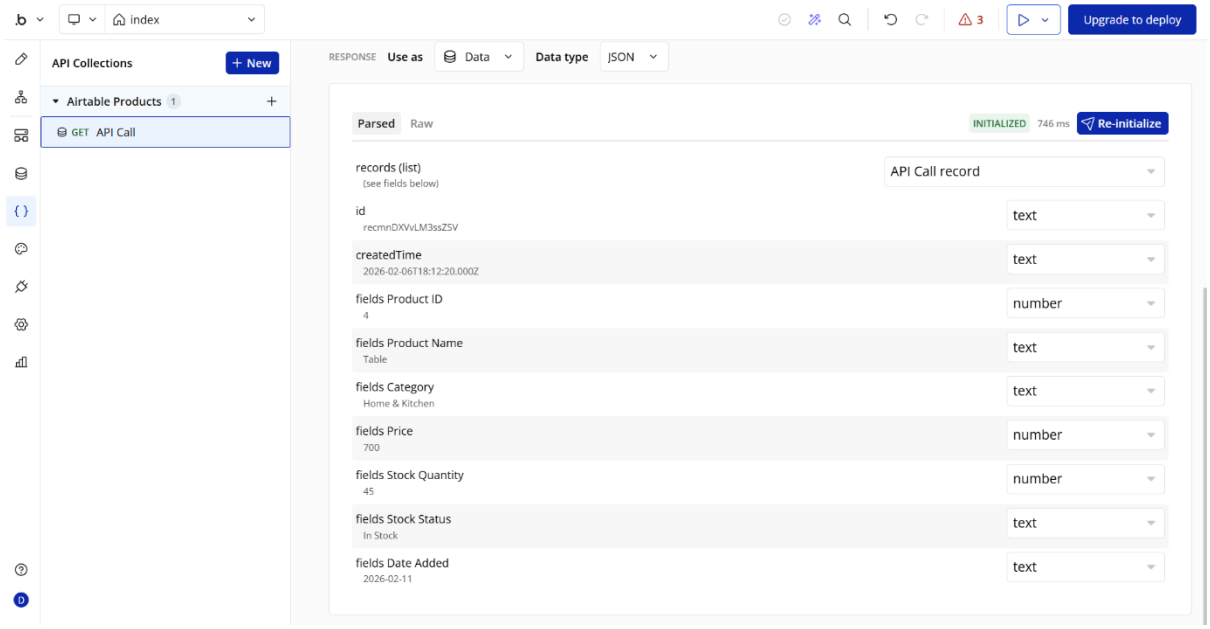
(Bubble – Inventory Dashboard)





Integration to Airtable



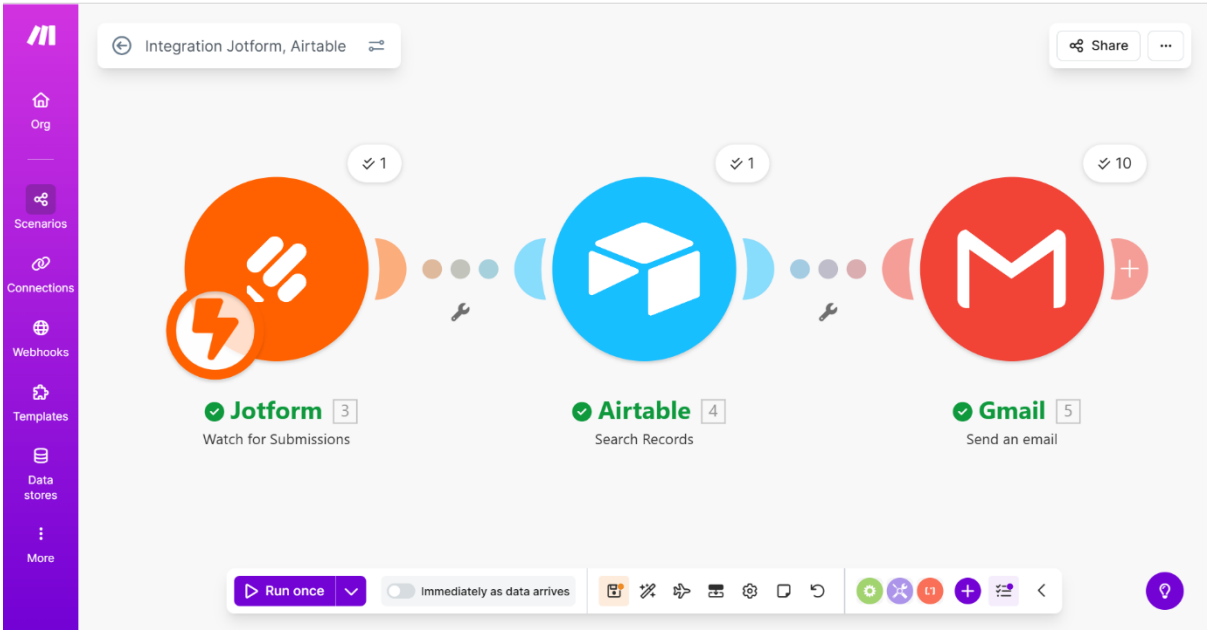


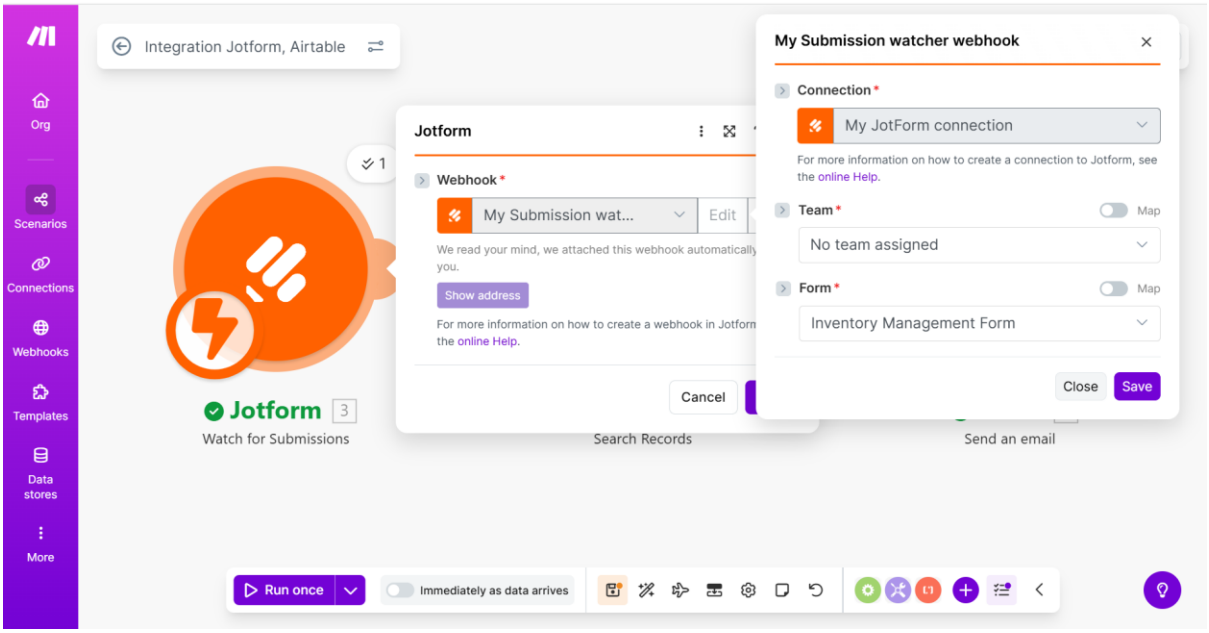
Automation Using Make

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

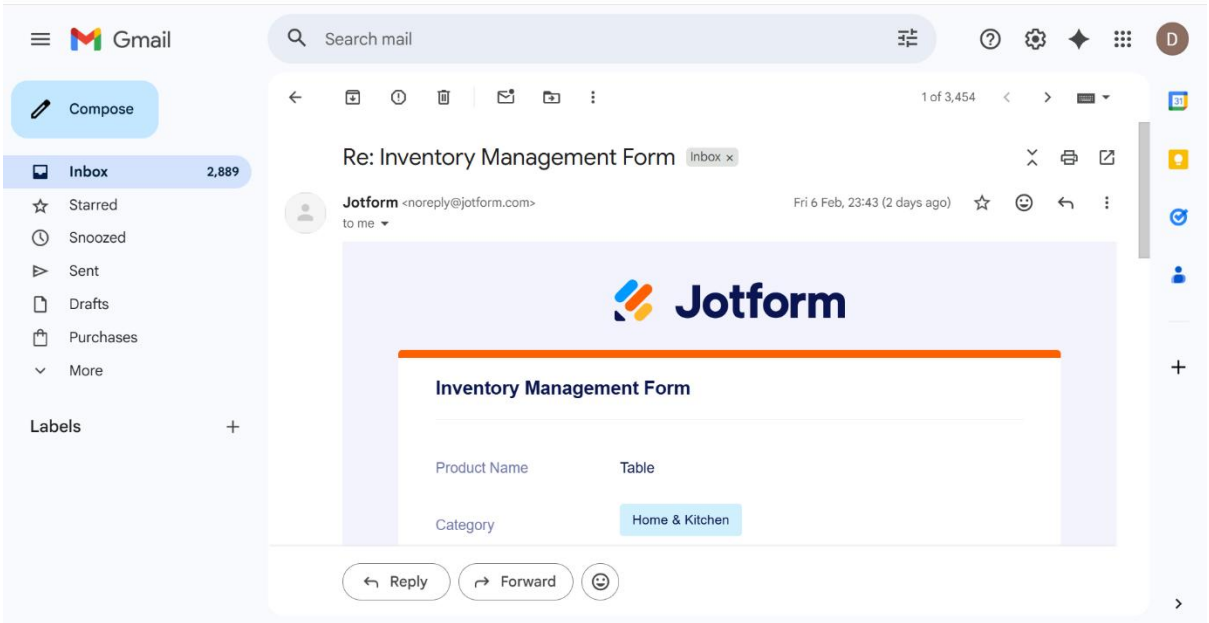
Make is also used to generate inventory and sales reports.

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.