

Nov

29

18:00 - 20:00



14 Nguyen Van Thu St,
Da Kao Ward, Distric 1,
Ho Chi Minh city



**ONLY 15 SLOTS
FOR THE FIRST
15 INNOVATION
LOVER!!!**



ENGAGE
META

PRESENTS

INNOVATION HOUR with DRINKIZZ EXPERTS

Game Changer_ Embrace the Future of Business with NoCode & AI



TYNA HUYNH
 CEO of Drinkizz

Organic Natural Energy
Value Chain Expert



VINCI SAVITRI DZOULOU
 Data Scientist

Digital & Data
Architecture



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 Smart-up Investor

Meta Entrepreneur &
Digitalisation



My advice to someone who is using no code tools.

1. Clearly Define Your Objectives
2. Stay Organized and Document Processes
3. Start With Simple Solutions That Meet Your Objectives
4. Prioritize User Experience (UX)
5. Regularly Test And Iterate
6. Monitor And Manage Costs
7. Focus On Scalability And Integration
8. Educate Yourself Continuously
9. Collaborate And Share Knowledge

Requirements

- ❖ New to No Code
- ❖ Have some background in no code
- ❖ Have interest in how technology like no code can transform a business
- ❖ Open to learn and apply innovative solutions

What will you learn?

- ❖ How Drinkizz uses No Code to grow from scratch.
- ❖ The role of No Code to improve tasks
- ❖ The benefits of no code in business
- ❖ The use cases applied at Drinkizz

What you will gain?

- ❖ Practical skills to innovate and grow business by referring to Drinkizz use cases



PLAN





1. INTRO.

Empowering Businesses With No Code tools

VALUES OF THIS COURSE

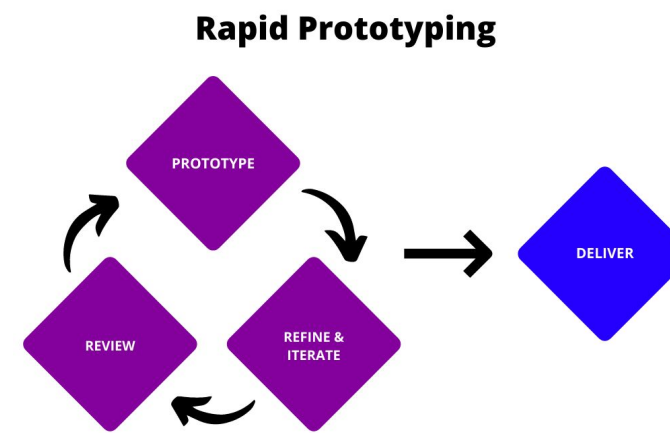
Let's see how no code can be a game-changer in the business. 🙌



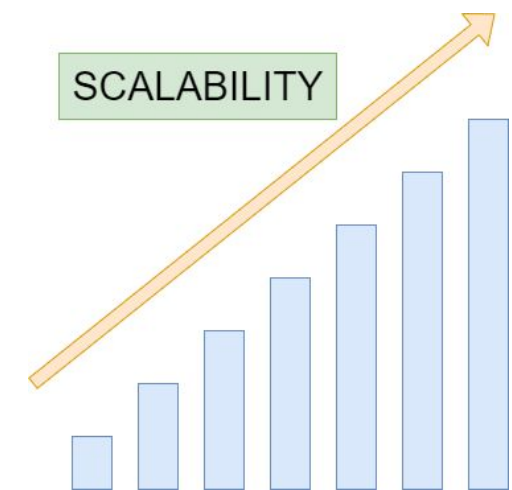
They are easy to use



They are good at solving problems



They are fast to setup the prototype



They grow with the business



1. INTRO.

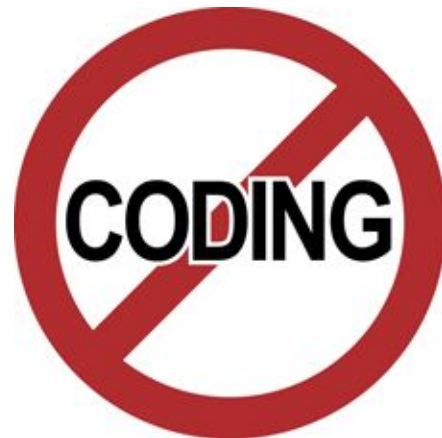
Empowering Businesses With No Code tools

WHAT IS NO CODE TOOLS?

"At Drinkizz, we simply define No Code tools as 'No' 😊."



'No' high costs



'No' coding skills required



'No' advanced hardware required



'No' maintenance worries



'No' intensive training



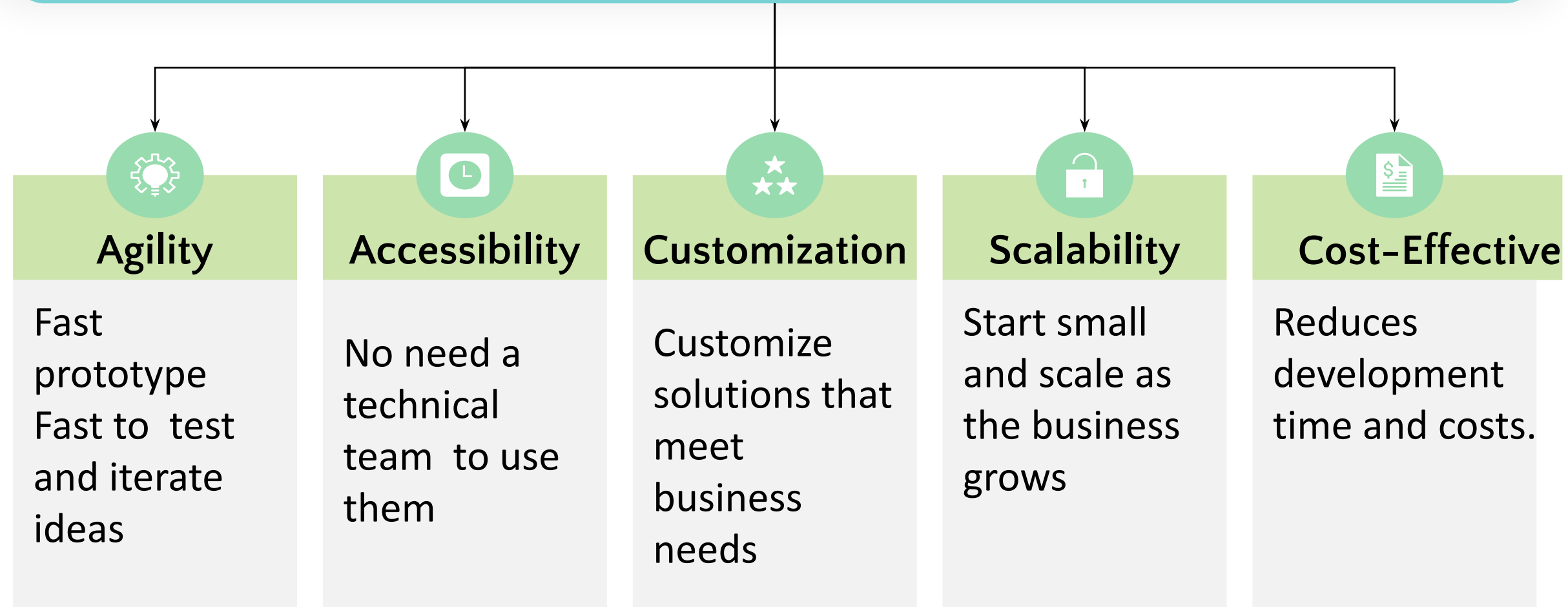
'No' long deployment time



1. INTRO.

Empowering Businesses With No Code tools

Main advantages of No Code tools for business.

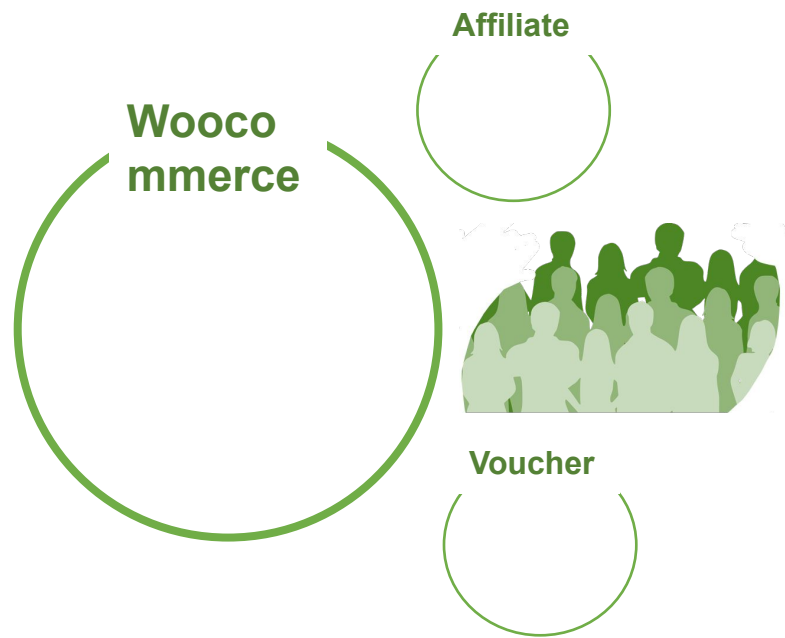




1. INTRO.

Empowering Businesses With No Code tools

With no code and AI, we were able to set up systems to support:



Online sales



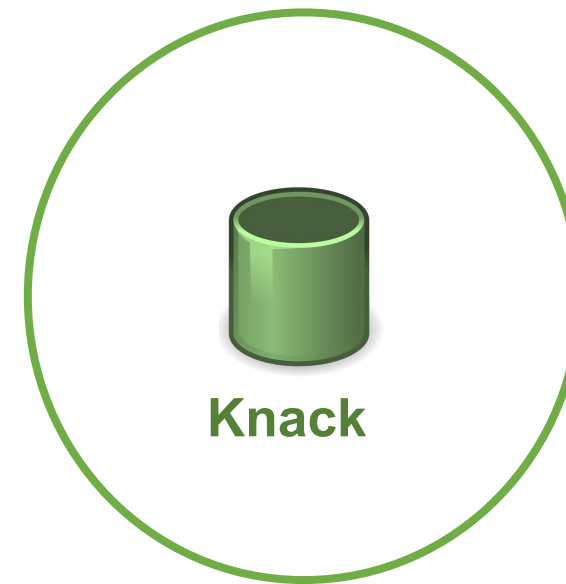
Data reporting



Customer support



Data backup



Data management



Email marketing



1. INTRO.

Empowering Businesses With No Code tools

Here is a list of no-code tools available in the market that can be useful to bootstrap and grow business

	Tools
Website Builder	Webflow
	Wix
	WordPress
E-Commerce	Shopify
	WooCommerce
Database	Airtable
	Knack



1. INTRO.

Empowering Businesses With No Code tools

	Tools
Email marketing	Mailchimp
	SendinBlue
Integration	Zapier
	Make
Project management and more	Notion
	Trello



1. INTRO.

Empowering Businesses With No Code tools

	Tools
AI Chatbots	ManyChat
	Chatbase
Data Backup	Simple Backup



2. Good And Bad Points Of No Code Tools

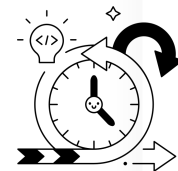
In this part, we look at the good and bad points of No Code tools.

✓ Good Points



BUDGET-FRIENDLY

They save money



AGILITY IN DEPLOYMENT

They are quick to use



LESS TECHNICAL SKILLS

No technical skill required



SCALABILITY

They grow with business

✗ Bad Points



REQUIREMENTS

You need to know a little about: Business process, data modeling, etc



SCALABILITY CONCERNS

As businesses grow, some No Code solutions may hit performance or may be expensive.



INTEGRATION CHALLENGES

Sometimes they have problems working with other systems.



3. How has Drinkizz succeeded and grown despite the challenges of using no-code tools?



1. Build a strong team work and improve collaboration

Clearly define the objectives

Working closely with business for quick changes.

Stay organized and document processes

2. Meet specific business goals in less time

Start with simple solutions that meet the defined objectives

Create custom applications that fit business needs faster

3. Quick deployment

Regular test and Iteration

Focus on scalability and Integration

4. Knowledge

Educate Continuously

Collaborate and share Knowledge



4. Drinkizz IT Evolution Overview

Let's quickly look at how Drinkizz's IT changed from 2019 to now

2019



Frustration

2020



Hesitation

2021 To now



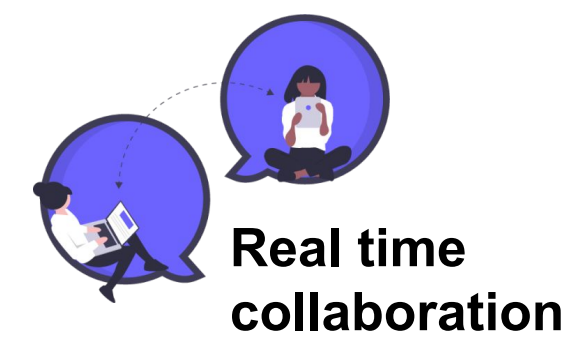
Optimism



4. Drinkizz IT Evolution Overview 2019 - Frustration phase

Initial Situation
 Our journey began with data management using Google Sheet and Google Drive, which presented challenges in data organization and traceability.
 Data management was handled via Google Sheet and Google Drive.

Challenges: Disorganized data and poor traceability.
PROS: Ease, Macros
CONS: Data Typing, Data Links, Access Security, Collaborative Work, Transaction, Ui, Volume, etc





4. Drinkizz IT Evolution Overview 2020 - Hesitation phase

Consideration Phase
 Drinkizz considered setting up a data management tool such as Pimcore, or purchasing software but faced limitations due to unclear needs and budget constraints.

Challenges:
 Unclear requirements and limited budget.
 Decisions against hiring an IT team or purchasing fixed software solutions.



Unclear requirements to move



No team with PimCore Experience

Pimcore is a powerful and versatile open-source platform designed for managing digital experiences. It is particularly beneficial for businesses looking to streamline their digital operations.





4. Drinkizz IT Evolution Overview 2021 to now – The optimism phase

Solution Adoption:

Drinkizz successfully integrated no code solutions, leveraging cost-effectiveness, deployment agility, minimal technical skill requirements, and scalability to boost operations and support business growth.

The decision was made to integrate no code solutions at Drinkizz.

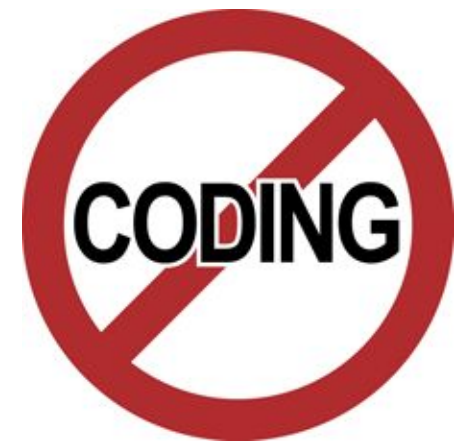
Key advantages of no code solutions.

The bootstrapping started from: Business process, Defining the business objects from business requirements, Defining the code of each business object, Glossary, Modeling concepts, Naming convention, etc

We have found no code solutions because these tools are:



'No' high costs



'No' coding skills required



'No' advanced hardware required



'No' maintenance worries



'No' intensive training



'No' long development time



5. Drinkizz No Code Solution Overview

	Business needs
1. Mailchimp	Used for newsletter subscriptions
2. Woocommerce	Used for online sales
3. Chatbase	Used to configure the chatbot as Drinkizz virtual advisors
4. Make	Used to integrate data from different sources
5. Knack	Used to manage and centralize data
6. Simplebackup	Used to backup data from Knack to Google Drive
7. ChatGPT	Used to analyze and report data

They work smoothly according to Drinkizz's needs.



6. Drinkizz Digital Tool Selection

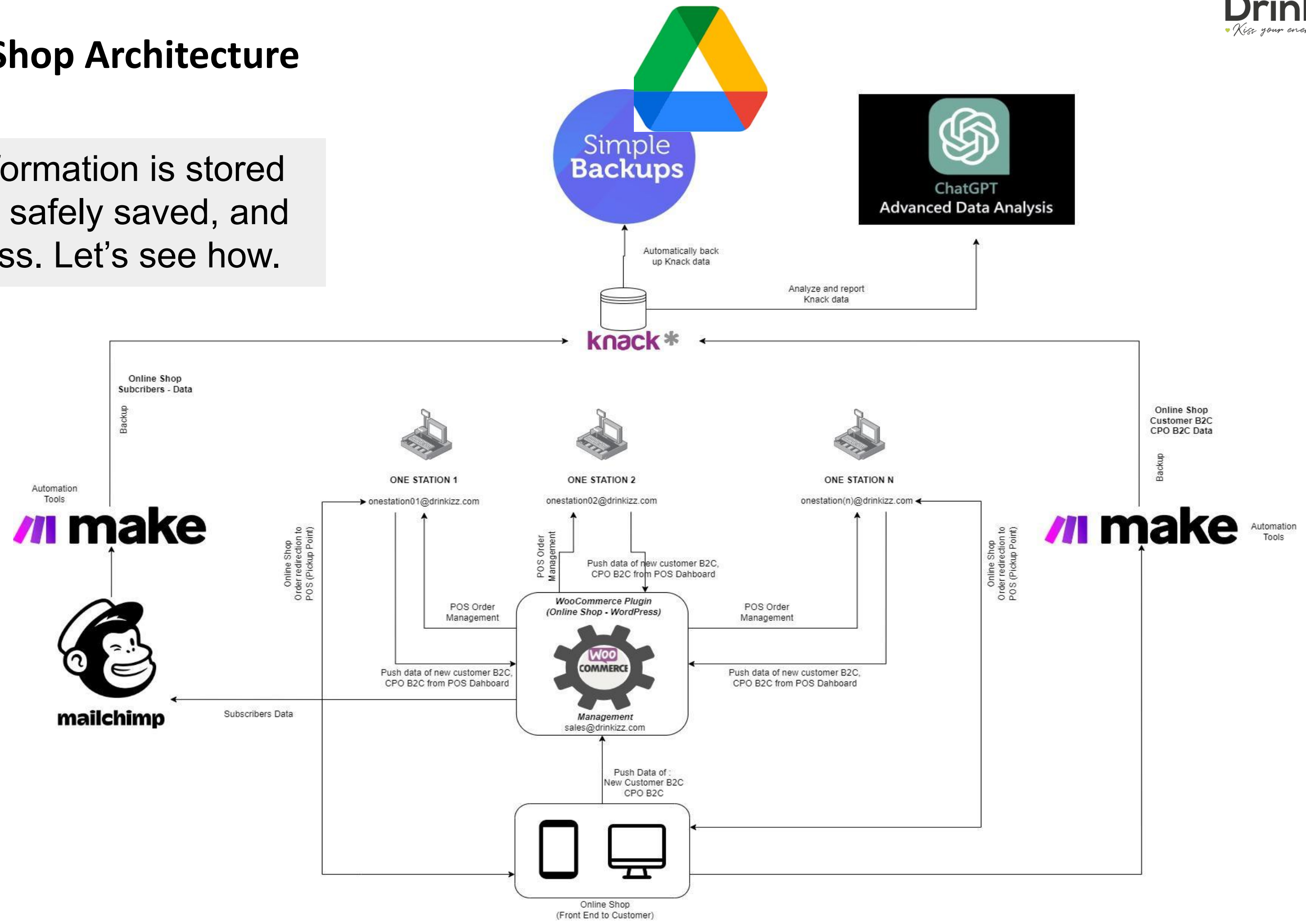
Below are the criteria Drinkizz uses for selecting its no-code tools.

	No High Cost	No Coding Required	No Maintenance Worries	No Long Deployment Time	Low Resource Consumption	Scalable	Agile	Easy to Integrate	No Advanced Hardware Required	Fits Business Needs	Data Privacy Management
Knack	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WooCommerce	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mailchimp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chatbase	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ChatGPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Simple Backup	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



7. Online Shop Architecture

Customer information is stored in one place, safely saved, and easy to access. Let's see how.





DEMO



8. Concept you should Know before modeling data (1/7)

The purpose of this slide is not to go into detail on the data modeling concepts but to provide you an overview of the key concepts that Drinkizz needed to understand before proceeding with data modeling or setup no code tools.

👉 I recommend you to visit Engage - Meta website and you will find all related to data modeling concept <https://engage-meta.com/advice-digitalization/>

	Definition	Example
Business process	Set of steps in business operations	Online Sales process
Business object	Represent data	Customer, Invoice, Video, Product, etc
Business code	Unique identifier for business entity	VNM - MARK - CUST- 1 = VM MARKCUST-1
Glossary	A list of terms with definitions to help everyone understand key concepts clearly.	-
Data	Information stored in the database and organized into tables, which are made up of rows and columns.	Customer data organized in a table



8. Concept you should Know before modeling data (2/7)

	Definition	Example
Table	A collection of related data. It's somewhat similar to a spreadsheet	Customer, Invoice, Video, Product tables, etc
Rows (Records)	Each row in a table represents a single record. A record is a complete set of information.	In a table of customers, each row would represent one customer.
Columns (Fields)	Each column in a table represents a field. A field is a specific piece of information within a record.	Customers table might include fields like Customer ID, Name, Address, and Phone Number.
Data Types	Each field in a database table is assigned a specific data type, which restricts what type of data can be stored in that field.	Numbers, text, dates, etc
Primary Keys	Each table typically has a primary key, which is a column (or a combination of columns) that uniquely identifies each row in the table. This is essential for maintaining the integrity of the data and for relationships between tables.	Increment number from 1 to N



8. Concept you should Know before modeling data (3/7)

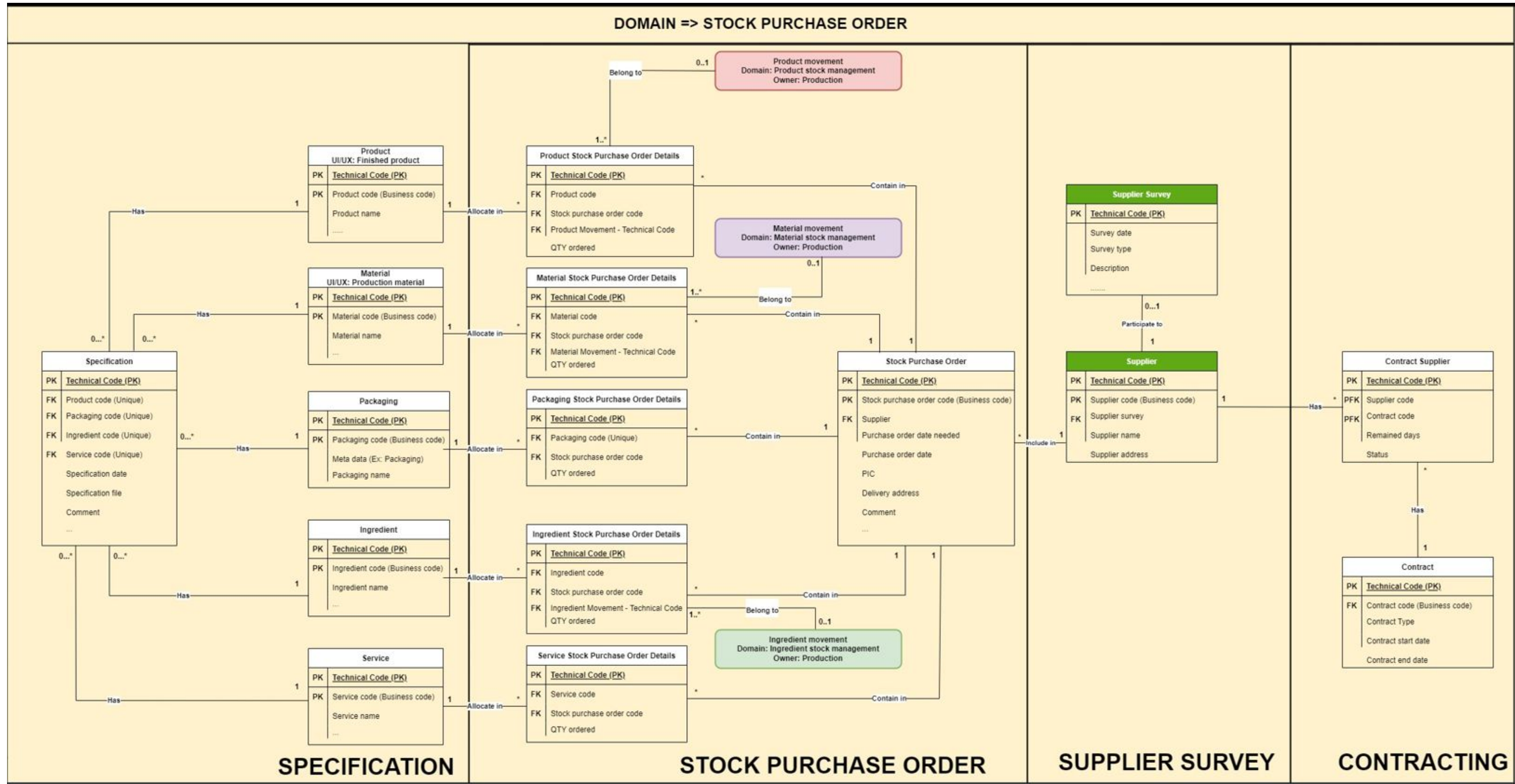
	Definition	Example
Relationships/ Association	The ability to establish relationships between tables. This is often done using foreign keys, which are fields that link to primary keys in other tables.	Customer, order, product in sales process
Normalization	Involves organizing the data in the database to reduce redundancy and improve data integrity. This often leads to the creation of additional tables.	-
Index	Indexes are used to speed up the retrieval of rows from the table. They are particularly useful for columns that are frequently searched or used in join operations.	-
Constraints	Adding constraints like 'NOT NULL' or 'UNIQUE' ensures data integrity.	-
Foreign Key Constraints	Enforce relationships between tables.	-



8. Concept you should Know before modeling data (4/7)



Relational database





8. Concept you should Know before modeling data (5/7)

Table

This is a table created in the Knack database with supplier data stored in it.

[A] Supplier Code	= Supplier name	Category Details	Address	= Nationality	= Representative
VNMADMISUPP2022-319	CÔNG TY TNHH EMERGENT COLD VIỆT NAM	Value Chain	Số 18, Đường số 6, Khu Công Nghiệp Sóng Thần 1, Phường Dĩ An, Thành phố Dĩ An, Tỉnh Bình Dương	Việt Nam	Ông Nguyễn Hữu Thịnh

Data is stored in table

Table consists of rows and columns

All rows have number of columns

Each column is defined by a datatype



8. Concept you should Know before modeling data (6/7) Normalization

Supplier table

[A] Supplier Code	= Supplier name	Category Details	Address	= Nationality	= Representative
VNMADMISUPP2022-319	CÔNG TY TNHH EMERGENT COLD VIỆT NAM	Value Chain	Số 18, Đường số 6, Khu Công Nghiệp Sóng Thần 1, Phường Dĩ An, Thành phố Dĩ An, Tỉnh Bình Dương	Việt Nam	Ông Nguyễn Hữu Thịnh

Stock Purchase Order table

ID	Supplier code	Requestor name	Stock Purchase Order Category	Date Needed	# I
1735	CÔNG TY TNHH EMERGENT COLD VIỆT NAM	GIÁP THỊ THÚY DIỆU - dieu.giap@drinkizz.com	Service	31/08/2023	28
1734	CÔNG TY TNHH EMERGENT COLD VIỆT NAM	GIÁP THỊ THÚY DIỆU - dieu.giap@drinkizz.com	Service	31/07/2023	14
1651	CÔNG TY TNHH EMERGENT COLD VIỆT NAM	GIÁP THỊ THÚY DIỆU - dieu.giap@drinkizz.com	Service	31/07/2023	2

In a normalized database schema:

- Primary keys and Foreign keys are used to define relationships
- No data duplication exists
- Data is retrieved by joining tables together in a query



8. Concept you should Know before modeling data (7/7)



View

Customer B2B

search by keyword search

Showing 1-10 of 26 [Export](#) [Add filters](#)

Customer journey	Edit	Delete	ID	Recency (Days)	Customer Brand	Customer B2B Name (English)	Customer B2B Name (Vietnamese)	Data Entry Date
Follow customer	edit	delete	65	6	GOURMET DISTRIBUTION COMPANY LIMITED	GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI	CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	07/19/2022 2:19pm

Views created in customer table

POS - Customer B2B

POS Code (Before August 2021)	POS Name (EN)	Consumer B2B	POS Address	Phone Number	Person to Contact - Name	Person to Contact - Email	Person to
	AN NAM GOURMET - TIMES CITY	GOURMET DISTRIBUTION COMPANY LIMITED - HA NOU/CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	Lô D1-2 Tầng hầm B1 Vincom Mega Mall Times City, 455 Minh Khai Quận Hai Bà Trưng Hà Nội, Việt Nam	[REDACTED]	Vũ Đức Tùng	[REDACTED]	[REDACTED]
	AN NAM GOURMET - HA NOI STORE	GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI	Gian hàng B14, B15, B22, B23, Tầng 1.04	[REDACTED]	Nguyễn Trung Thành	[REDACTED]	[REDACTED]

CPO B2B

search by keyword search

[Add filters](#)

CPO Display Name	Customer B2B	POS Customer B2B	Total quantity ordered
VNMSALEDOCUCUPOBTB20231208-1- GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI/CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI/CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	AN NAM GOURMET - TIMES CITY- VNMSALEPOS-74	30
VNMSALEDOCUCUPOBTB20230926-2- GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI/CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	GOURMET DISTRIBUTION COMPANY LIMITED - HA NOI/CÔNG TY TNHH PHÂN PHỐI SẢNH ĐIỀU- CHI NHÁNH HÀ NỘI	AN NAM GOURMET -SMART CITY- VNMSALEPOS-77	18

Delivery requests

[Export](#) [Add filters](#)

ID	Delivery code	Incremental Number	Delivery Request Date	Delivery date	Delivery Status	Delivery Cost (VND)	Delivery Service	Trackin
648	VNMSALEDOCUCUDELO20231208-2	2	08/12/2023	08/12/2023	Delivered	25.000	TẬP ĐOÀN BƯU CHÍNH VIÊN THÔNG VIỆT NAM	
647	VNMSALEDOCUCUDELO20231208-1	1	08/12/2023	08/12/2023	Delivered	4.900	TẬP ĐOÀN BƯU CHÍNH VIÊN THÔNG VIỆT NAM	
617	VNMSALEDOCUCUDELO20230926-2	2	26/09/2023	26/09/2023	Delivered	27.000	TẬP ĐOÀN BƯU CHÍNH VIÊN THÔNG VIỆT NAM	

POS, Order and delivery are views of customer table

→ View are created to simplify the query



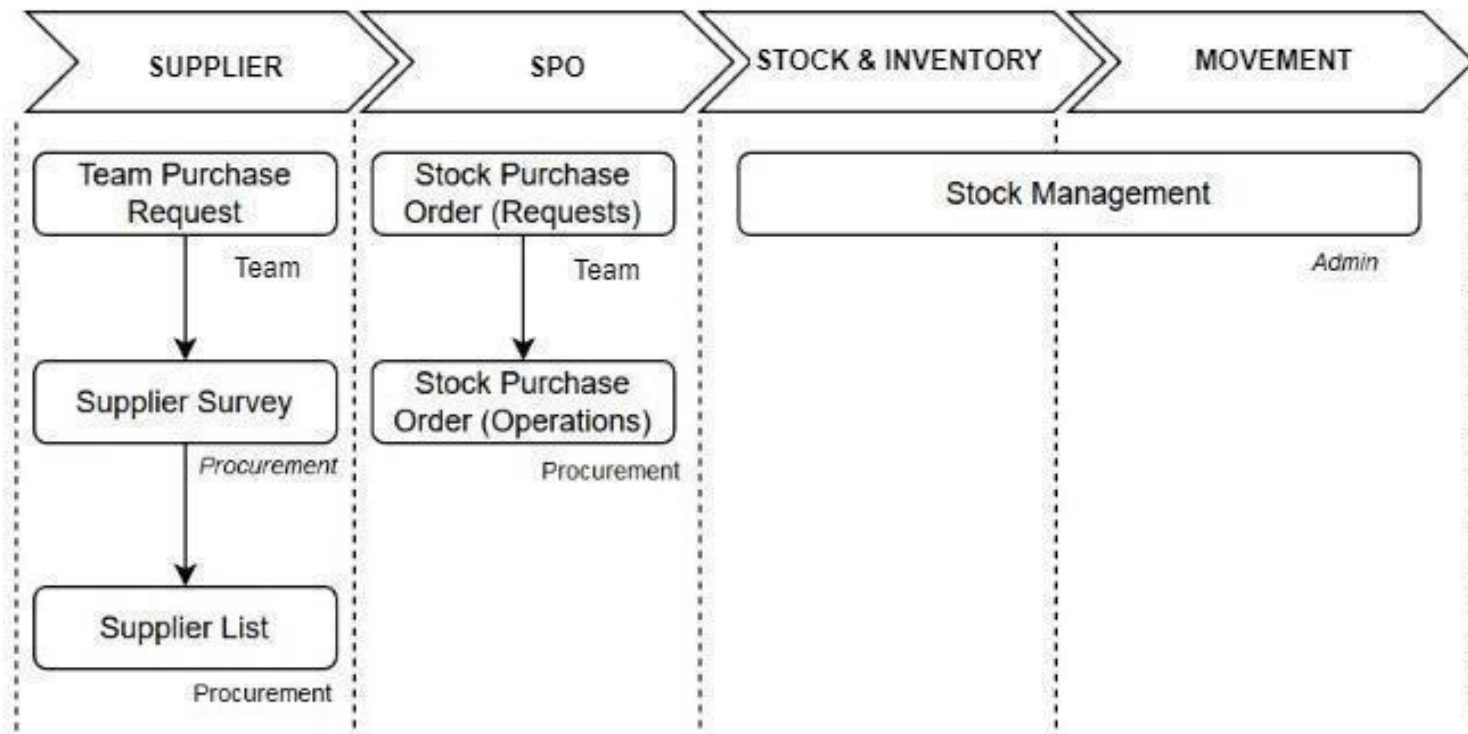
9. How to build a Knack App? (1/5)



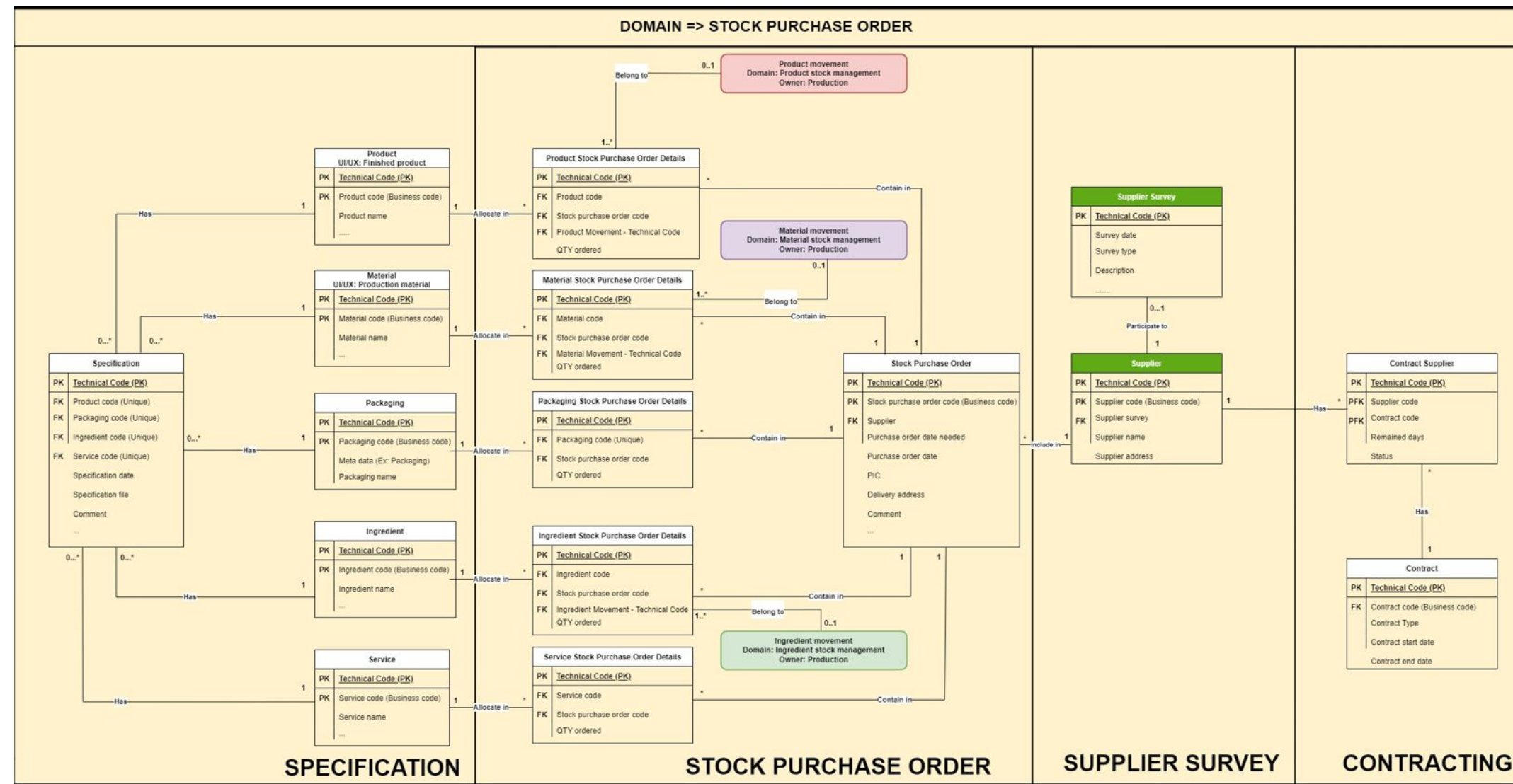
Business needs

Implement a system to manage smoothly the supplier and stock.

Business process



Procurement data modeling Subdomain: Stock purchase order





9. How to build a Knack App? (2/5)

Let's see here a step-by-step guide on creating a database app in Knack, covering aspects like utilizing templates, creating from scratch, configuring and securing the app, and accessing the live app and app builder.

The screenshot shows the Knack interface with the following annotated sections:

- Section to create database Apps:** Points to the 'Apps' menu item in the left sidebar.
- Section to configure, secure, follow the payment of the account:** Points to the 'Settings' menu item in the left sidebar.
- A database APP where we can find: Tables, records, page view, tasks, etc:** Points to the 'DRINKIZZ DATABASE' entry in the main table.
- Where to find the database Apps template:** Points to the search bar at the top right.
- Where to create a database from scratch:** Points to the 'Create New App' button at the top right.
- Go to APP builder:** Points to the wrench icon in the 'Actions' column of the table.
- Go to live APP:** Points to the target icon in the 'Actions' column of the table.

Name	Records	Storage	Tasks	Description	Actions
DRINKIZZ DATABASE	5031	3.3 GB	13		[Wrench icon] [Target icon] [More icon]
DRINKIZZ-DATABASE	-27601	3.2 GB	11		[Wrench icon] [Target icon] [More icon]



9. How to build a Knack App? (3/5)

Here is a guide to create and manage a database in Knack, covering everything from the basics of setting up tables and fields to the more advanced concepts of table relationships and user interface design.

The screenshot shows the Knack database management interface for 'DRINKIZZ DATABASE'. The interface is divided into several sections:

- Database name:** DRINKIZZ DATABASE
- List of table created:** A sidebar on the left lists tables such as [ADMIN] Supplier, [PRO] Ingredient Inventory, [PRO] Delivery request, [ADM] Country, [ADMIN] Material movement, [ADMIN] Departments, [ADMIN] Material inventory, and [PROCUREMENT] Area.
- Create table:** A '+ Add Table' button is visible in the sidebar.
- Table created:** The main view shows the '[ADMIN] Supplier' table selected.
- Create the fields of the table:** The 'FIELDS' tab is active, showing a list of fields: ID (Auto Increment), Supplier Name (Short Text), and Supplier Code (Knack code) - Old code (Text Formula).
- Fields list of the table created such as: Text, Integer, etc:** The fields are listed with their respective data types.
- Connections are tables in relationship with table created:** The 'Connections' section on the right shows that '[ADMIN] Supplier' records can connect to records from '[ADMIN] Departments' tables, specifically 'Data Owner' and 'Department'.
- Records and Tasks:** 'RECORDS' and 'TASKS' tabs are visible at the top of the main view.
- Navigation:** A sidebar on the far left contains navigation icons for Data, Records, Tasks, Pages, and Settings.

Represent a user interface element that displays and organizes data and functionality within the app, allowing users to interact with the database.



9. How to build a Knack App? (4/5)

This slide outlines the process of building the pages of a Knack App. It includes sections for listing all created pages, options for creating public, login, and menu-contained pages, and features for adding record views, statistic views, and reports within the created pages.

Section that lists all the pages created

Here is where to create a public page, a login page or a menu contained pages

Access to the pages section

Record views to add in the page created

Statistic views to add in the page created

Reports to add in the page created



9. How to build a Knack App? (5/5)

This slide details the steps for accessing to the sales database for CRUD (Create, Read, Update, Delete) operations .

DRINKIZZ DATABASE

Login

Enter your email address and password to login.

Email Address

Password (forgot?)


Sign In

Login to the database application created with a login and password

DRINKIZZ DATABASE

HOME
SALES

Logged in as **GIÁP THỊ THÚY DIỆU** - [Account Settings](#) - [Log Out](#)



Welcome to the DRINKIZZ DATABASE

Access to the sales database application created to CRUD data: Create, Read, Update and delete

User display name from profile name

Account setting / change password

Log out to the database application



10. Subscriptions with MailChimp (1/2)

Business process

	Step	Digital Channel	Action	Result
Opt-In	Opt-in on Websites	1, Drinkizz Corporate Website 2, Drinkizz Online Shop & Events	Enter Email, click on Subscribe	Email notification to confirm opt-in
Double opt-in	Confirm opt-in newsletter	Email Inbox	Confirm the opt-in newsletter	1, New Subscription & Email about 10% Discount 2, Redirection to opt-in confirmation web page
	Double opt-in confirmation	Corporate Website (Page)	Redirection is automatic (no action needed)	10% discount
User Account Creation	Create account Online Shop	Drinkizz Online Shop & Events	1, click on user icon 2, Enter Email address, password, confirm password, click on Register	Email notification to confirm user account
	Confirm user account	Email Inbox	Click on confirmation link from Email Inbox	Redirection to login page
	Login	Drinkizz Online Shop & Events	Login using the email address & Password	Redirection to Online Shop home page
Ordering	Order product(s)	Drinkizz Online Shop & Events	Create CPO	1, New CPO with 10% discount 2, Email PIC of new CPO



10. Subscriptions with MailChimp (2/2)

Here is a step-by-step guide for Drinkizz online store customers. It demonstrates how to subscribe using an email address and confirm the subscription via email to receive a 10% discount on their first order.

1

Access the Drinkizz website and indicate your email address used to create your account on the Drinkizz online store and register. [Page](#)

2

Check your email box and click on Yes, subscribe me to this list.

3

To benefit from a 10% discount on Drinkizz products, go to the online store, log in to the email address used to subscribe and then proceed with the checkout. [Page](#).

4

We see here that the registered subscriber is in the list of subscribers who will benefit 10% from their first order on the Drinkizz online store



11. Data ingestion with Make (1/3) Setup a scenario

+ Create a new scenario

VARIABLES

Create a new scenario by clicking on the cross

1

Click on the cross to create the source where the data comes from, for example mailchimp in our case

Click on the cross to create the destination where the data will be send, for example Knack in our case

Here is the scenario created in order to ingest all subscriber data into Knack. A scenario can be run manually or automatically by scheduling it. A scenario can be configured to better control and secure it.



11. Data ingestion with Make (2/3)

Scenarios list

Search

FOLDERS +

- All scenarios
- Uncategorized
- ADD RECORD 5
- CPO (FROM SALES DA... 0
- SALES & MARKETING ... 3
- SALES DATABASE 2 - ... 0
- UPDATE RECORD 3

All scenarios

+ Create a new scenario

ALL ACTIVE SCENARIOS 9 INACTIVE SCENARIOS 13 CONCEPTS 0

- [Member] New member ONE Community From MailChimp to Knack - Feb 16, 2023
187 10.6 KB
- New Customer from WooCommerce to Knack - Oct 23, 2022
SALES & MARKETING AUTOMATION 2506 503.8 KB
- Watch Orders - Integration WooCommerce, Knack - Oct 23, 2022
SALES & MARKETING AUTOMATION 2542 3.2 MB

Scenario created to ingest subscriber data into Knack.

Scenario created to ingest customer data into Knack.

Scenario created to ingest order data into Knack.

This button allows to on or off a scenario



11. Data ingestion with Make (3/3)

Data ingested in Knack database



Subscriber data from mailchimp

Member name	Member email	Member Code	Audiences	Source	Member	Customer B2C	Acquisition date
Lê Chi Nga	[REDACTED]	VNMMARKMEMB202307-1438	Online Shop Customer	WooCommerce	Yes	Customer B2C	11/07/2023
	[REDACTED]	VNMMARKMEMB202307-1436	Online Shop Customer	WooCommerce	Yes		09/07/2023
Yen Le	[REDACTED]	VNMMARKMEMB202307-1435	Online Shop Customer	WooCommerce	Yes	Customer B2C	05/07/2023
Nguyễn Đoàn Phương Trúc	[REDACTED]	VNMMARKMEMB202307-1433	Online Shop Customer	WooCommerce	Yes	Customer B2C	05/07/2023

Customer data from Woocommerce

Name	Incremental number	Customer B2C Code	Email	Phone number
Nam Hoài	3	VNMSALECUSTBTC20230620-3	[REDACTED]	[REDACTED]
Thức Hà Tấn	2	VNMSALECUSTBTC20230620-2	[REDACTED]	[REDACTED]
Đoàn Nguyệt	1	VNMSALECUSTBTC20230620-1	[REDACTED]	[REDACTED]
Hà Nguyễn Thanh	2	VNMSALECUSTBTC20230619-2	[REDACTED]	[REDACTED]

created_via	Status Order	Sales Purpose	Event	WooCommerce Order ID	Product 1 - Name	Product 1 - Quantity	Product 1 - Total	Product 2 - Name	Prod
POS	On-Hold	Sales		19835	Organic Natural Energy drink (1 CAN X 250 ML)	12	299,838		
POS	On-Hold	Sales		19833	Energy Breadstick	1	18,865	Combo 1 - Drinkizz O.N.E Breadstick	2
POS	On-Hold	Sales		19829	Detox	1	49,000		

Sales data from Woocommerce



12. Data backup with Simplebackup (1/4) Setup a Backup

Create Backup 2

What do you want to create a backup for?

Search a backup recipe

Knack Backup Github Backup Gitea Backup

Configure your Knack Backup recipe - Help

Application ID * Application ID

API Key * API Key

Objects Ids * 1,2

We choose Knack backup, to backup our knack data

Provide the application ID of your Knack App

Provide the API Key of your Knack App

Provide the objects list (Table) you want to backup data

Finalize and create 4

Name * patient-hill-4474

When do you want to run your backup?

Schedule * Daily
Every Night at 3 AM UTC

Retention 30

Where do you want to store your backup?

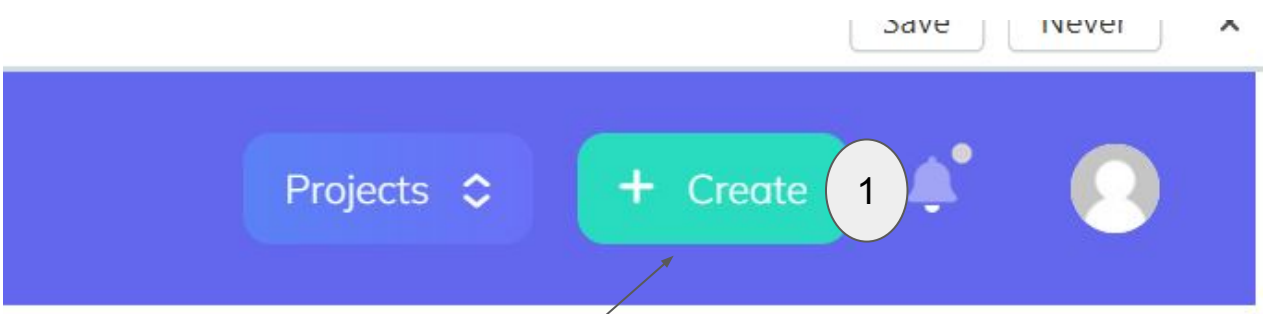
Remote storage SimpleStorage

Storage * Digital Data's Google

Path ~/ mybackups/monthly

Schedule the backup. In our case is 3 time per week.

Data backup storage in google drive.



Create a new backup by clicking on create

In our setup, we decided to run our backups on simplebackup infrastructure. You can also choose to run your backup on your own server

3 Choose the server that will carry out the backup job

Serverless
Runs on SimpleBackups' infrastructure
No setup required

Own Server
Runs on your own infrastructure

Validate Connection →



12. Data backup with Simplebackup (2/4)

Backup Setup Result

[Overview](#) [Logs](#) [Statistics](#) [Notifications](#) [Advanced](#)

Type	* Knack Backup
Name	DRINKIZZ DATABASE 2 (SALES & MARKETING)
Storage	Digital Data's Google <i>DRINKIZZDATABASEBACKUP</i> https://drive.google.com/drive/search?q=
Server	Serverless
Size	94.57 MB
How often should we run this job?	
Schedule	Custom <i>(Every day 3 days a week at 4:00pm 🌐 Asia/Vientiane)</i>
How many backup copies should we keep?	
Retention	30
What would you like to back up?	
Application ID	[REDACTED]
API Key	[REDACTED]
Object IDs	239,808,753,238,430,128,637,514,184,175,115,137,114,665,138,179,227,590, 626,609,723,119,747,601,671,113,300,195,196,197,198,135,145,144,377,143, 643,259,807

BACKUP SUCCESS

Fri, Dec 8, 2023 4:04 PM

[Download](#) [Info](#)

NEXT RUN **Mon, Dec 11, 2023 4:00 PM**

IP TO WHITELIST



12. Data backup with Simplebackup (3/4)

Backup list

Backup activity

BACKUP	LAST	HEALTH	
 ● DRINKIZZ DATABASE 2 (SALES & MARKET...	1d ago 		
 ● DRINKIZZ DATABASE 1 (PRODUCTION & A...	1d ago 		



12. Data backup with Simplebackup (4/4)

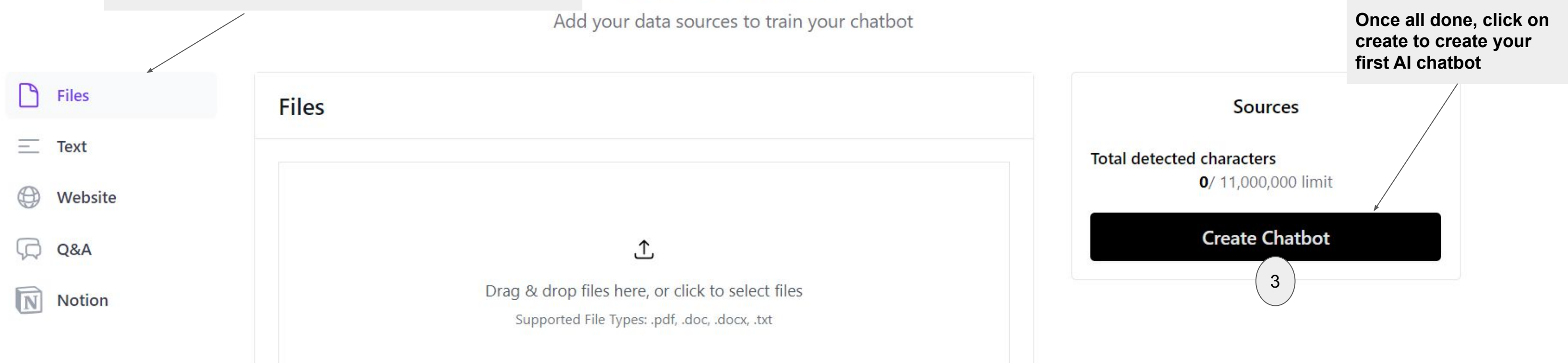
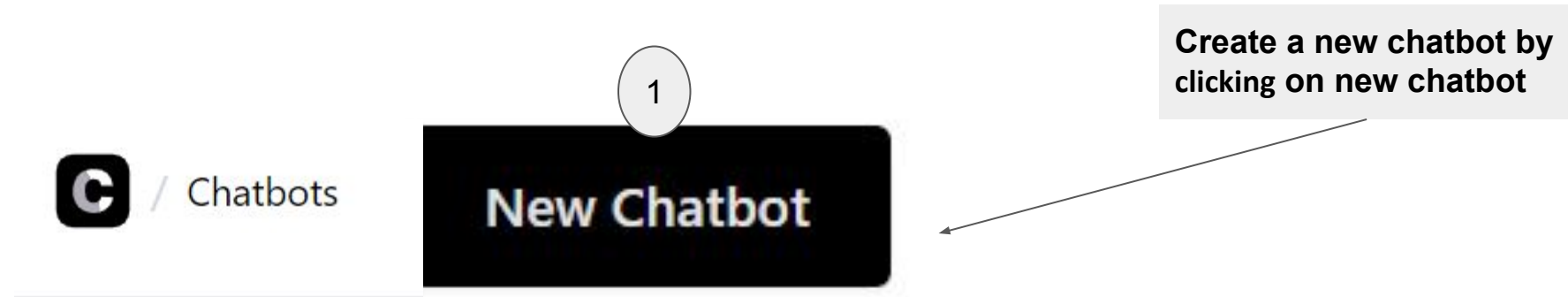
Data backup storage

The screenshot shows the Google Drive interface. On the left is a navigation sidebar with options like 'New', 'Priority', 'Activity', 'Workspaces', 'My Drive', 'Shared with me', 'Recent', 'Starred', 'Spam', and 'Admin console'. The main area shows a folder named 'DRINKIZZDATABASEBA...' with a table of files. The table has columns for Name, Owner, Last modified, and File size. There are four files listed, all owned by 'me', with modification dates of Dec 6, 2023 and Dec 8, 2023, and file sizes of 6.3 MB and 3.4 MB.

Name	Owner	Last modified	File size
recipe.drinkizz-database-1-production-admin.b13748.23-12-06_090015.tar.gz	me	Dec 6, 2023	6.3 MB
recipe.drinkizz-database-1-production-admin.b13748.23-12-08_090030.tar.gz	me	Dec 8, 2023	6.3 MB
recipe.drinkizz-database-2-sales-marketing.b13885.23-12-06_090020.tar.gz	me	Dec 6, 2023	3.4 MB
recipe.drinkizz-database-2-sales-marketing.b13885.23-12-08_090030.tar.gz	me	Dec 8, 2023	3.4 MB



13. Chatbot with Chatbase empowered by ChatGPT-4 (1/3) Setup a Chatbot





13. Chatbot with Chatbase empowered by ChatGPT-4 (2/3) Setup a Chatbot

The Chatbase setting combine a trainable AI model, customizable user interface, robust security features, lead generation, notifications, webhooks, and specialized domain knowledge into a singular platform.

Settings

General

Model

Chat Interface

Security

Leads

Notifications

Webhooks

Domains

The Chatbase dashboard offers a central hub for monitoring chatbot performance and managing settings, including AI customization, analytics, and user interaction oversight.

The source in Chatbase indicates the origin of data inputs, essential for customizing chatbot interactions and user experiences.

List of chatbots created

Chatbot

Settings

Dashboard

Sources

Integrations

New

Embed on site

Share

Delete

Chatbot

In Chatbase, integration refers to connecting the chatbot with external systems and services to enhance its functionality and data access.

Embedding Chatbase on a website involves incorporating the chatbot interface into web pages for direct user interaction and engagement.

Izz_The Drinkizz Virtual Advisor

Hi! I am Izz, the Drinkizz Virtual Advisor. How may I help you now?



13. Chatbot with Chatbase empowered by ChatGPT-4 (3/3) Test

Here is how a customer interacts with Izz

Izz_The Drinkizz Virtual Advisor

Hi izz

Hello! How can I assist you with your Drinkizz inquiries today?

Does ONE drink is organic?

Yes, O.N.E drink is organic. According to EU Organic regulations, if the agricultural ingredients are 100% organic and the manufacturing process is also certified organic, the drink is guaranteed 100% certified organic. However, according to the

Enter your email **SUBSCRIBE** **BUY**

drinkizz.com (+84) 9 83 82 44 77 Free download our organic handbook

**Want to learn more about your own Energy?
Subscribe to our newsletter (and get 10% off your first purchase!)**

ONE Drink (Organic Natural Energy)

Download our handbook



14. How to analyze data with ChatGPT-4? (1/9)

Concept you should Know before analyzing data

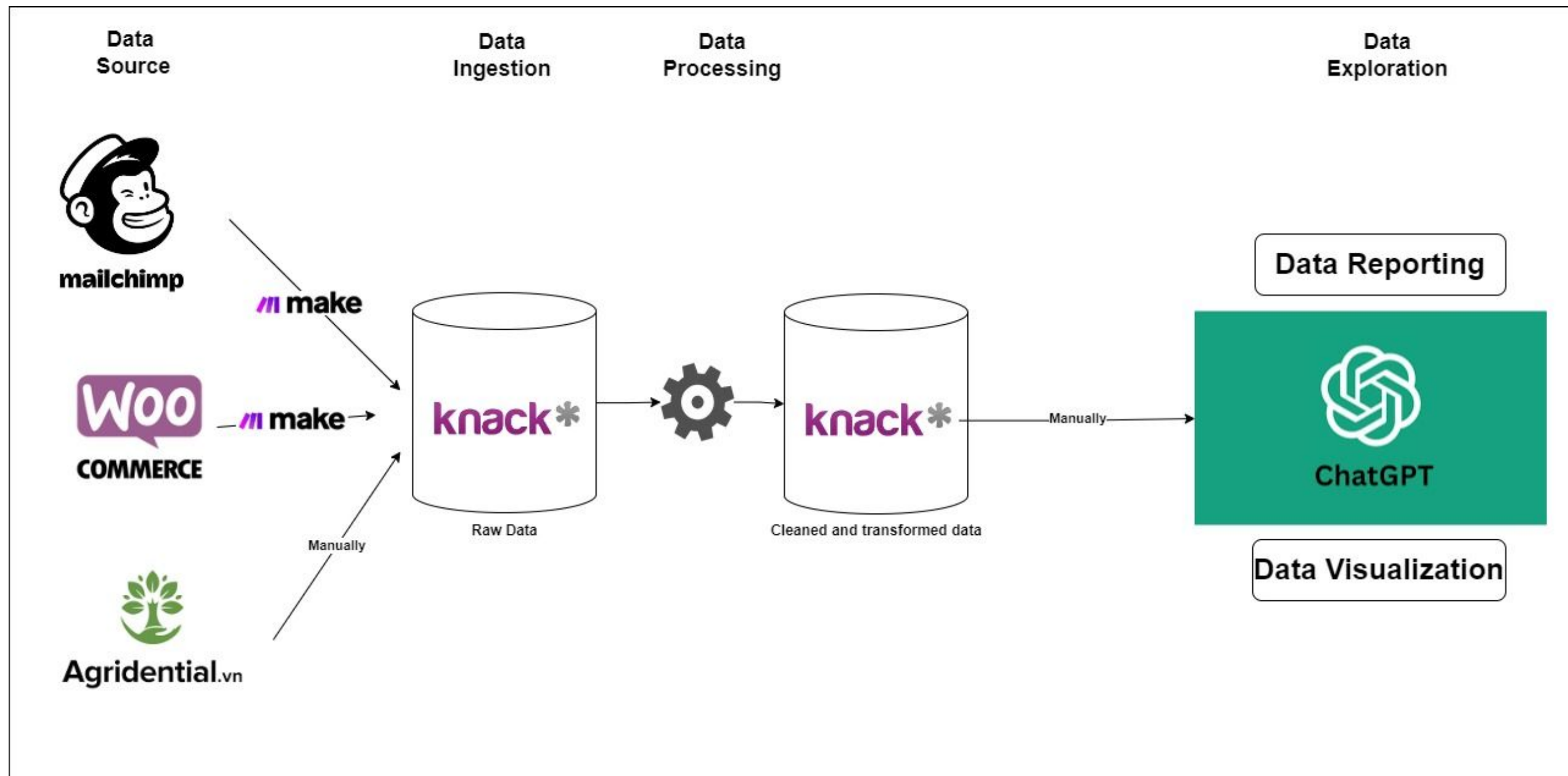
	Definition	Example
Data source	Is the origin of the data	Mailchimp, Woocommerce, Googlesheet, Agridental blockchain
Data ingestion	The process of transporting data from sources to a storage system.	Using Make to stream data in real-time.
Data raw	The initial, unprocessed form of the data as it is ingested.	Order data from woocommerce
Data processing	Transforming raw data into a more usable format or structure.	Cleaning data, handling missing values.
Data warehouse / Data Repository	A central repository for storing and managing processed data.	Knack
Data exploration	Analyzing data to find insights using statistical methods, visualization, and data mining.	ChatGPT



14. How to analyze data with ChatGPT-4? (2/9)

Business needs

Analyze and report data to understand the sales data in order to support decisions making.



Data Sources:

- Collect subscriber data from Mailchimp.
- Gather order details from WooCommerce.
- Acquire product reviews and QR code scan counts from Agridental blockchain system.

Data Ingestion:

- Use Make to import data from Mailchimp, WooCommerce, and Agridental into the Knack database.

Data Processing:

- Clean and transform the data in Knack for further use.

Data Exploration:

- Analyze the processed data using ChatGPT-ADA for decision-making.



14. How to analyze data with ChatGPT-4? (3/9)

As our data is confidential to show how we use Chatgpt to analyze and report data, we used the following [data source](#) to analyze data to gain insight and support decision making. Note that this is a basic data analysis and we keep the same mindset to analysis our internal sales data.

Here are questions we need to implement:

1. Import data in Chatgpt-4
2. As an expert in data analysis with Python, can you describe this dataset?
3. Tell me the first and last order date
4. Can you give me the best month of sales and amount earned. Create visual.
5. List 10 best customers and amount earned. Create visual.
6. List 10 best products sold the most and create visual.



14. How to analyze data with ChatGPT-4? (4/9)

➔ Import data into Chatgpt-4

ChatGPT 4 ▾

You

Importing sales data into chatgpt-4

Orders.csv
Spreadsheet

ChatGPT

Great, you've uploaded a file named "Orders.csv." How can I assist you with this file?



Files upload

Message ChatGPT...





14. How to analyze data with ChatGPT-4? (5/9)

→ As an expert in data analysis with Python, can you describe this dataset?

ChatGPT 4 ▾



You

As an expert in data analysis with Python, can you describe this dataset?

Here's a description of the dataset:

- **Number of Columns:** The dataset contains 24 columns.
- **Column Names and Data Types:**
 - `Row ID`: Numeric
 - `Order Priority`: Text
 - `Discount`: Numeric
 - `Unit Price`: Numeric
 - `Shipping Cost`: Numeric
 - `Customer ID`: Numeric
 - `Customer Name`: Text
 - `Ship Mode`: Text
 - `Customer Segment`: Text
 - `Product Category`: Text
 - ... (and other columns)
- **Sample Data:**
 - The first row indicates an order with `Row ID` 18606, `Order Priority` as 'Not Specified', a `Discount` of 0.01, `Unit Price` of 2.88, `Shipping Cost` of 0.50, etc.

This dataset appears to contain information about various orders, including details such as order priority, pricing, customer details, and shipping information.





14. How to analyze data with ChatGPT-4? (6/9)

→ Tell me the first and last order date?



You

Tell me the first and last order date?



ChatGPT

The first order date in the dataset is January 1, 2010, and the last order date is December 31, 2013. [↗]



14. How to analyze data with ChatGPT-4? (7/9)

→ Can you give me the best month of sales and amount earned. Create visual.

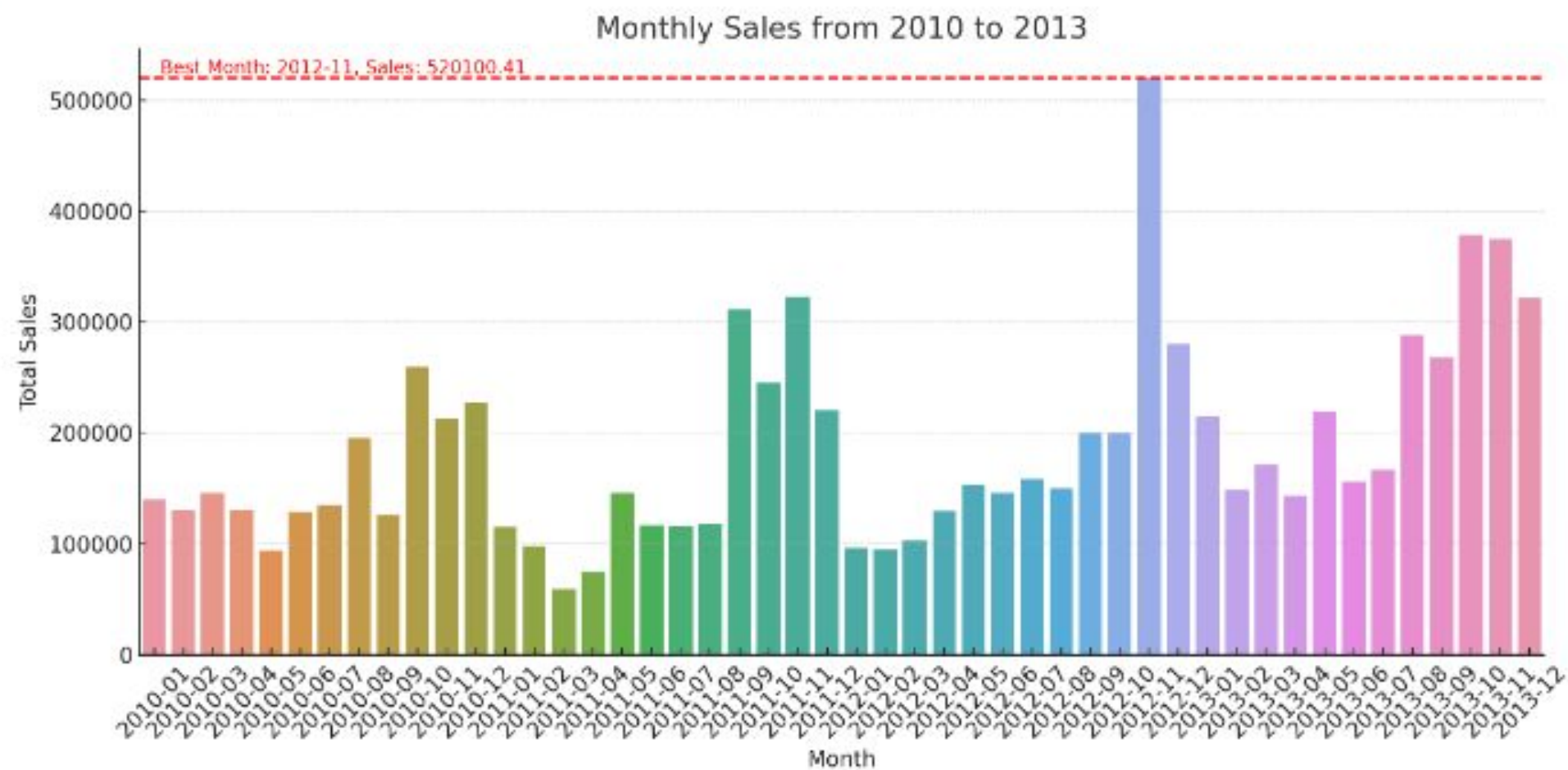


You

Can you give me the best month of sales and amount earned. Create visual.



ChatGPT



The best month for sales in the dataset was November 2012, with total sales amounting to \$520,100.41. The bar plot above visually represents the monthly sales from 2010 to 2013, with the best month highlighted. [-]



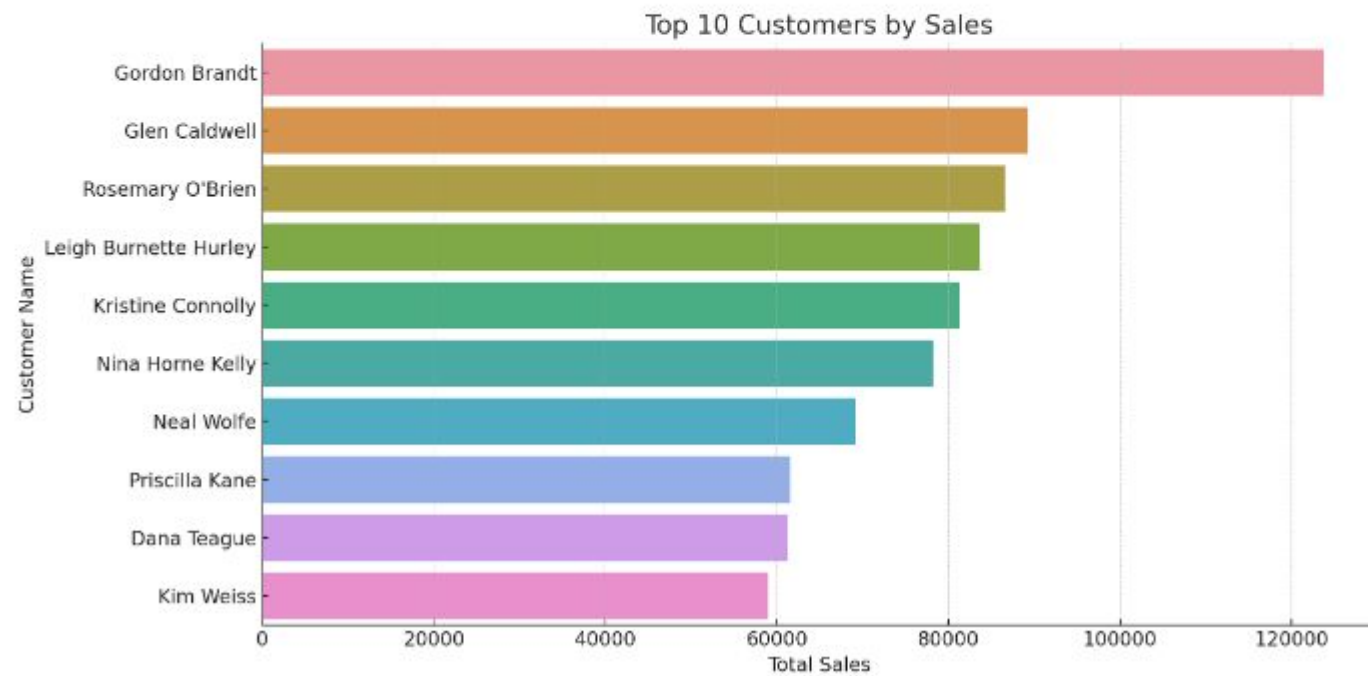
14. How to analyze data with ChatGPT-4? (8/9)

➔ List 10 best customers and amount earned. Create visual.

You

List 10 best customers and amount earned. Create visual.

ChatGPT



The top 10 customers in terms of total sales are as follows:

1. **Gordon Brandt:** \$123,745.62
2. **Glen Caldwell:** \$89,269.70
3. **Rosemary O'Brien:** \$86,540.75
4. **Leigh Burnette Hurley:** \$83,651.70
5. **Kristine Connolly:** \$81,296.39
6. **Nina Horne Kelly:** \$78,243.60
7. **Neal Wolfe:** \$69,118.00
8. **Priscilla Kane:** \$61,610.60
9. **Dana Teague:** \$61,298.98
10. **Kim Weiss:** \$58,947.41

The bar plot above visually represents the sales amounts for these top 10 customers.

[>-]



14. How to analyze data with ChatGPT-4? (9/9)

➔ List 10 best products sold the most and create visual.



You

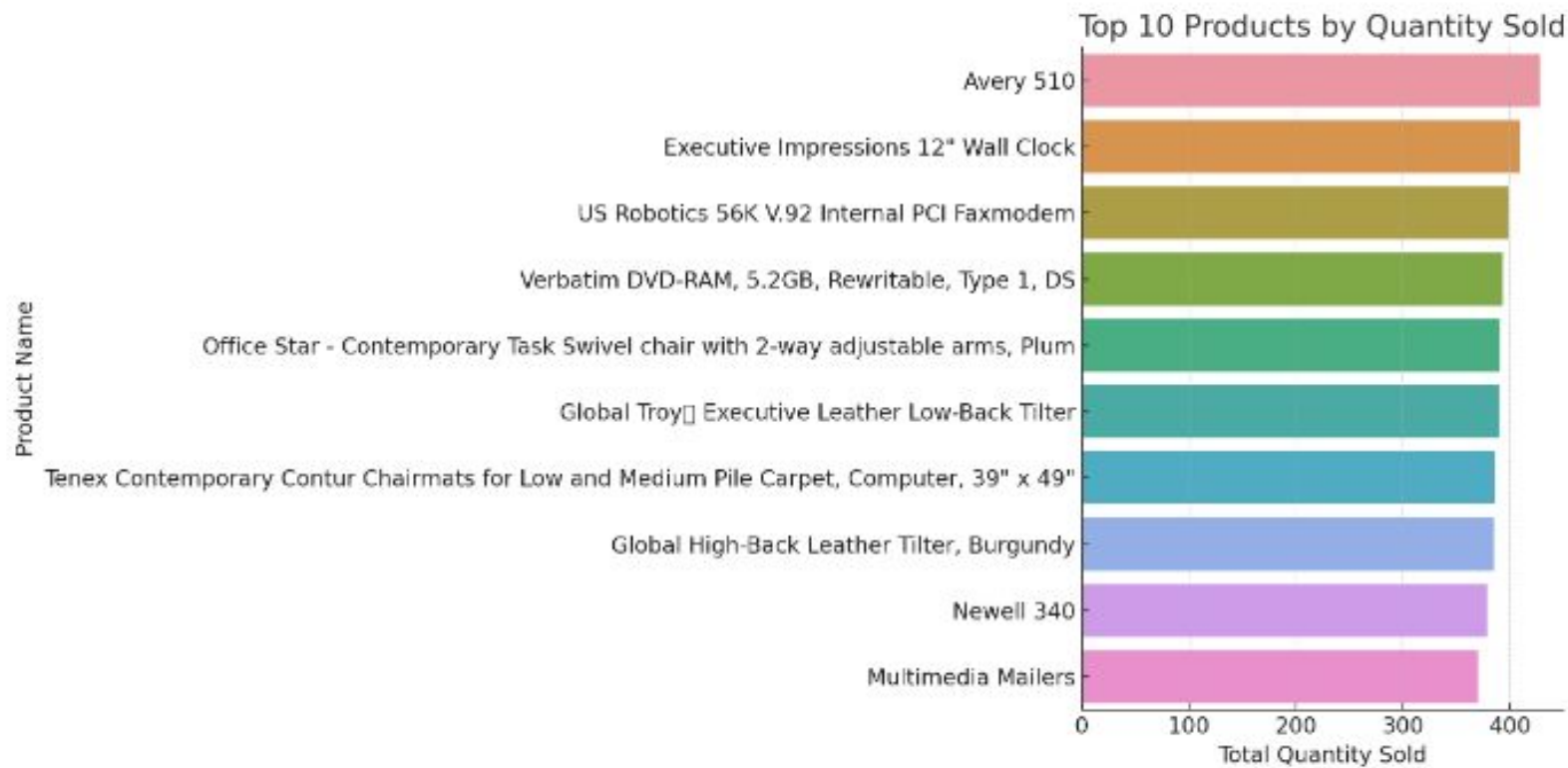
List 10 best products sold the most and create visual.



ChatGPT

The top 10 products sold the most in terms of quantity are as follows:

1. **Avery 510**: 428 units sold
2. **Executive Impressions 12" Wall Clock**: 409 units sold
3. **US Robotics 56K V.92 Internal PCI Faxmodem**: 398 units sold
4. **Verbatim DVD-RAM, 5.2GB, Rewritable, Type 1, DS**: 393 units sold
5. **Office Star - Contemporary Task Swivel chair with 2-way adjustable arms, Plum**: 391 units sold
6. **Global Troy™ Executive Leather Low-Back Tilter**: 390 units sold
7. **Tenex Contemporary Contur Chairmats for Low and Medium Pile Carpet, Computer, 39" x 49"**: 386 units sold
8. **Global High-Back Leather Tilter, Burgundy**: 385 units sold
9. **Newell 340**: 379 units sold
10. **Multimedia Mailers**: 370 units sold



The bar plot above visually represents the quantity sold for these top 10 products. [-]

THANKS

