



HOW TO SCALE YOUR BUSINESS WITH AI ON DATA MODELING

YOU WILL LEARN HOW AI CAN ENHANCE YOUR BUSINESS UNDERSTANDING AND
ACCELERATE THE DATA MODELS CREATION

BASED ON:

CHATGPT | KNACK NO-CODE DATABASE | DRINIZZ USE CASES

PLAN

1. BUSINESS USERS ASSISTED BY AI

2. IT TEAM ASSISTED BY AI

3. DRINKIZZ USE CASES

4. AI SOLUTIONS USED AT DRINKIZZ

5. Q&A

6. AI NEWS



NOTE FOR THIS SESSION

THIS SESSION INCLUDES CASES

THEORY

PRACTICE



1. BUSINESS USERS ASSISTED BY AI (1/4)

TO DEFINE BUSINESS NEEDS

❑ OBJECTIVE:

THE PRIMARY OBJECTIVE OF THIS STEP IS TO IDENTIFY AND ARTICULATE SPECIFIC BUSINESS REQUIREMENTS.

THIS INVOLVES UNDERSTANDING THE NEEDS AND GOALS OF THE ORGANIZATION TO INFORM STRATEGIC DECISION-MAKING.

❑ EXAMPLE:

AT DRINKIZZ, WE USE WOOCOMMERCE AND EXTERNAL E-COMMERCE LIKE BEFOOD, SHOPEEFOOD, ETC. FOR OUR ONLINE SALES.

THE NEED HERE IS TO DEFINE A SMOOTH PROCESS FOR INTEGRATING ONLINE SALES DATA INTO KNACK FOR CENTRALIZED MANAGEMENT.

THIS HELPS ALIGN SALES DATA WITH INVENTORY, ORDER MANAGEMENT AND BUSINESS ANALYTICS.

❑ AI ASSISTANCE:

TO REACH THIS GOAL, OUR BUSINESS USERS USE AI TOOLS LIKE CHATGPT TO COLLECT INFORMATION AND CREATE DETAILED REPORTS ON BUSINESS NEEDS.



1. BUSINESS USERS ASSISTED BY AI (2/4)

TO WRITE BUSINESS PROCESSES

❑ OBJECTIVE:

THE MAIN GOAL IS TO WRITE DOWN HOW THE BUSINESS WORKS. THIS MEANS SHOWING THE STEPS, ACTIVITIES, AND CHOICES IN THE ORGANIZATION'S WORK.

❑ EXAMPLE:

AT DRINKIZZ, WE WRITE DOWN EVERY STEP OF THE SALES PROCESS, FROM PLACING AN ORDER TO COMPLETING THE ORDER. THIS HELPS TO KEEP OUR OPERATIONS CONSISTENT AND EFFICIENT.

❑ AI ASSISTANCE:

AI TOOLS LIKE CHATGPT HELPS OUR BUSINESS USERS ANALYZE EXISTING WORKFLOWS TO IDENTIFY BOTTLENECKS AND SUGGEST IMPROVEMENTS.



1. BUSINESS USERS ASSISTED BY AI (3/4)

TO DEFINE GLOSSARY

❑ OBJECTIVE:

THE MAIN PURPOSE OF GLOSSARY IS TO ESTABLISH A COMMON VOCABULARY FOR BUSINESS AND IT TEAMS TO ENSURE CLEAR AND CONSISTENT COMMUNICATION.

❑ EXAMPLE:

AT DRINKIZZ, WE NEED TO ENSURE THAT ALL DEPARTMENTS USE THE SAME TERMINOLOGY WHEN REFERRING TO PRODUCTS, CUSTOMERS, AND PROCESSES. THE GLOSSARY ENSURES EVERYONE IS ON THE SAME PAGE AND REDUCES MISUNDERSTANDINGS.

❑ AI ASSISTANCE:

THE AI HELPS DRINKIZZ BUSINESS USERS TO COMPILE A COMPREHENSIVE GLOSSARY THAT INCLUDES TERMS LIKE "CUSTOMER," "CUSTOMER PURCHASE ORDER CPO," "INVENTORY," ETC AND THEIR DEFINITIONS.



1. BUSINESS USERS ASSISTED BY AI (4/4)

TO DEFINE CODIFICATION

❑ OBJECTIVE:

THE PURPOSE OF CODIFICATION IS TO DEVELOP CODING SYSTEM AND STANDARDS TO EASE THE DATA MANAGEMENT.

❑ EXAMPLE:

AT DRINKIZZ, OUR BUSINESS USERS DEFINE THE CODING SYSTEM BASED ON THE ESTABLISHED GLOSSARY AND PROCESSES.

FOR INSTANCE, THEY CREATE UNIQUE CODES FOR EACH PRODUCT CATEGORY AND SUB-CATEGORY TO ENSURE CONSISTENCY.

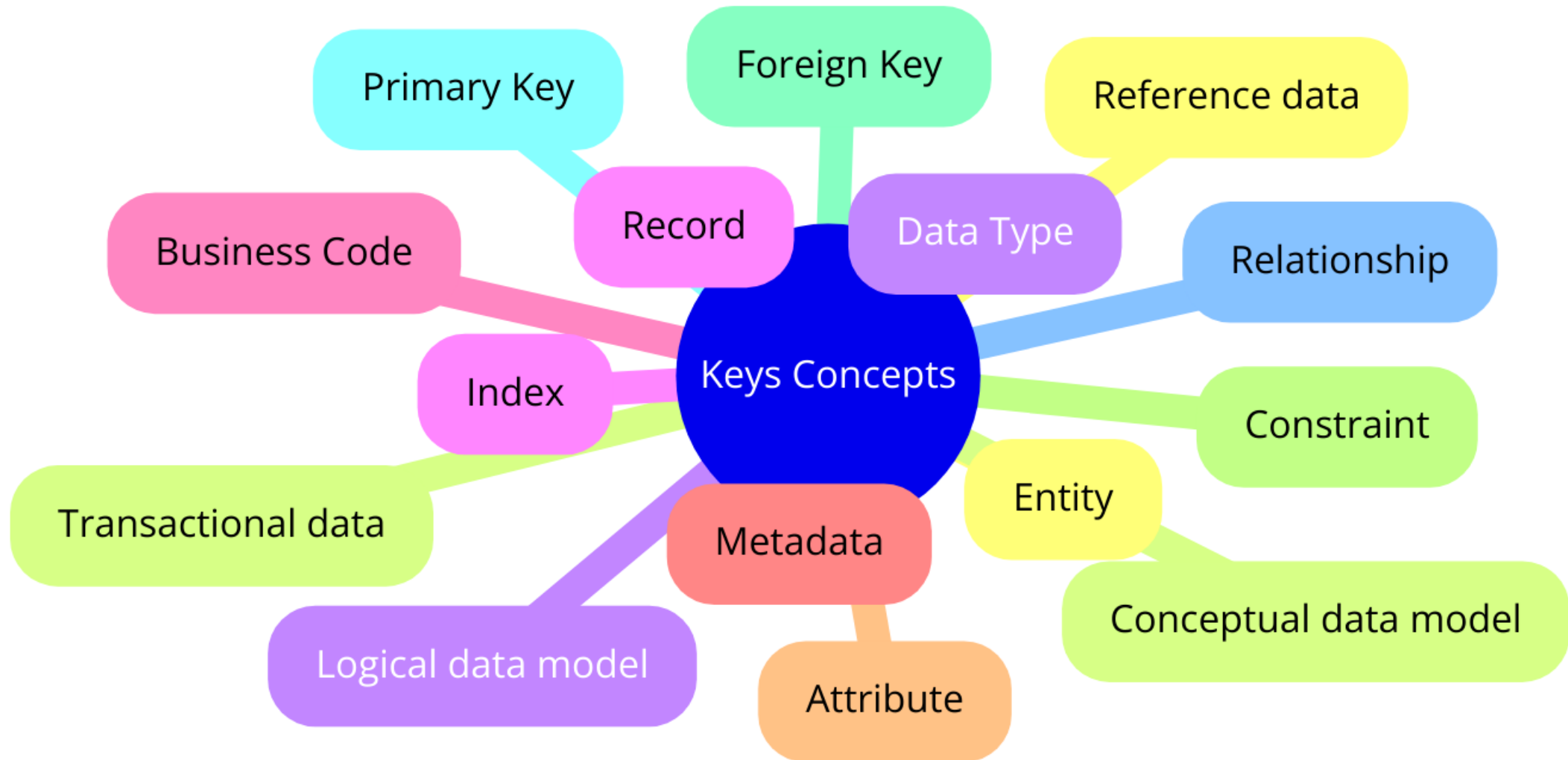
❑ AI ASSISTANCE:

AI ENSURES THAT ALL DATA HAS THE CORRECT CODES BY CHECKING AND FOLLOWING CODING RULES.



2. IT TEAM ASSISTED BY AI (1/7)

TO UNDERSTAND DATA MODEL KEYS CONCEPTS



2. IT TEAM ASSISTED BY AI (2/7)

TO UNDERSTAND DATA MODEL KEYS CONCEPTS

Keys concepts	Definition	Example
Primary Key	It represent a unique identifier for each record in a table and it can not be modified	"Customer ID" in the "Customers" table.
Foreign Key	It maintains relationships between business objects.	"Order ID" in the "Order Details" table
Business Code	It represents a unique identifier for a business object.	"PROD-001" identifies a specific product
Attribute	It represents a specific details about a business object.	Attributes of a product like "Name," "Price," and "Description."
Data Type	Defines the kind of data that can be stored in a field.	"Order date " field using a date data type.
Entity	It represents a real-world object or concept.	Customers, products, orders.
Relationship	It represent the connections between entities in the database.	One-to-many relationship between "Customers" and "Orders."
Index	It improves query performance for faster data access.	An index on the "Email" field in a "customer" table.

2. IT TEAM ASSISTED BY AI (3/7)

TO UNDERSTAND DATA MODEL KEYS CONCEPTS

Keys concepts	Definition	Example
Record	It is a single data item in a table, made up of fields or attributes, each holding specific information.	A customer record might include fields like CustomerID, Name, Address, and Contact Information.
Constraint	It represents the rules applied to data columns to keep the data accurate.	"NOT NULL" constraint on the "Price" field.
Metadata	It helps users understand the content and structure of data.	Metadata for a document includes author and creation date.
Reference data	It represents the data used to classify or categorize other data	Country codes or currency codes used across systems.
Transactional data	It captures the details of business transactions.	Sales transactions, purchase orders, and payment records.
Conceptual data model	It explains business needs and helps communicate between business users and IT teams.	Entities + Relationships in a conceptual data models
Logical data model	It describes how data is organized in the system, including entities, attributes, and relationships. It focuses on data structure, such as primary keys, foreign keys, and rules, without considering how it is physically stored in the database.	Entities + Attributes + Constraints + Relationships in logical data models

2. IT TEAM ASSISTED BY AI (4/7)

To UNDERSTAND DATA MODEL KEYS CONCEPTS

CUSTOMER			
Identifier	Last name	First name	Relationship to ORDER
CUST-0001	Khom	John	ORDE-00322, ORDE-01982
CUST-0002	Durand	Paul	ORDE-00322, ORDE-01982

PRODUCT		
Identifier	Name	Price
PROD-2202	Fitness elastic band	20 USD
PROD-0402	5kg fitness dumbbell	15 USD

ORDER			
Identifier	Date	Relationship with PRODUCT	
		Product	Quality ordered
ORDE-00322	2020/11/20	PROD-2202	1
ORDE-01982	2021/04/11	PROD-0402	5
ORDE-00044	2021/06/19	PROD-2202	1
		PROD-0402	1

Primary key

Attributes

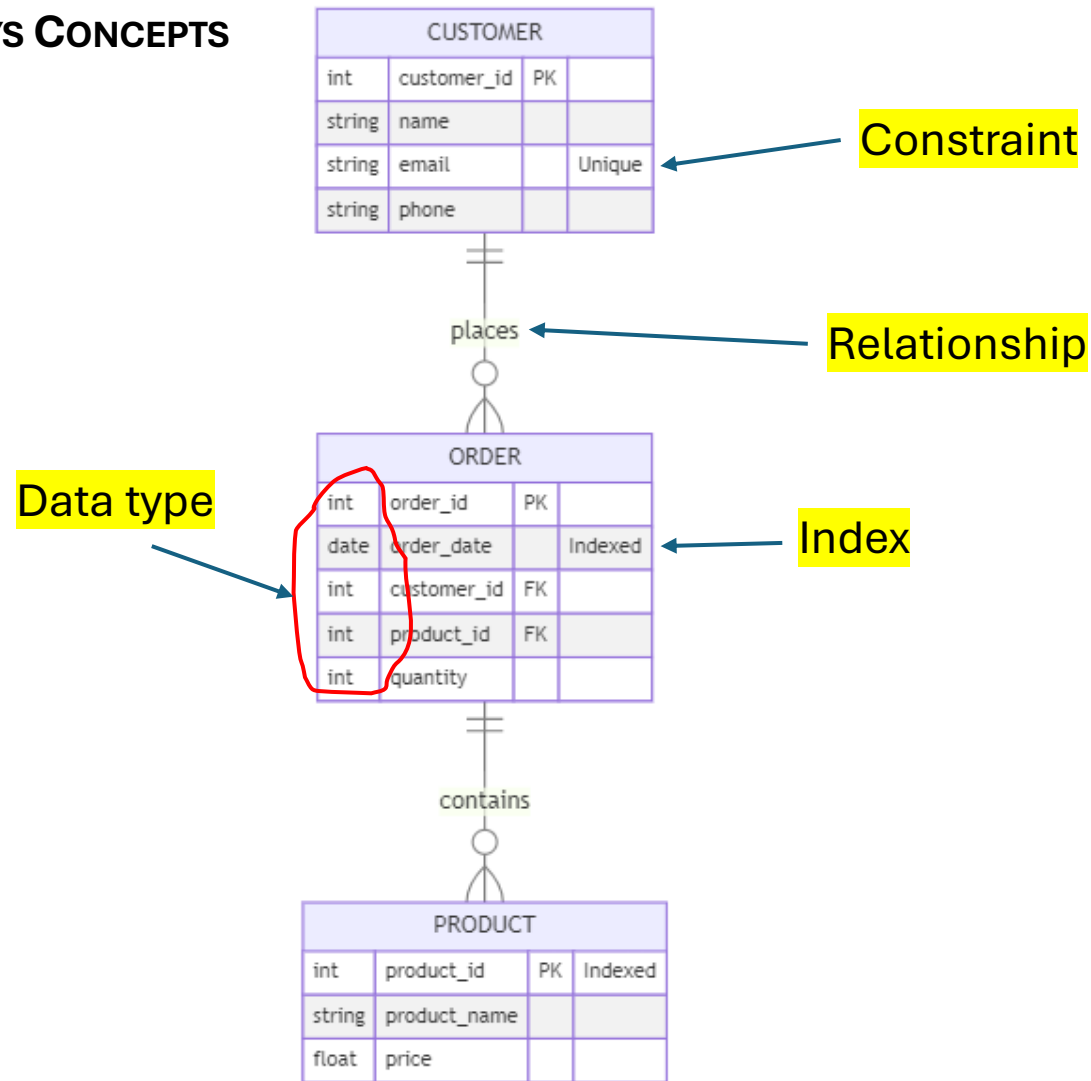
1 product record

Customer, product
And order are
Entities

Foreign key

2. IT TEAM ASSISTED BY AI (5/7)

To UNDERSTAND DATA MODEL KEYS CONCEPTS



A LOGICAL DATA MODEL

2. IT TEAM ASSISTED BY AI (6/7)

To CREATE THE DATA MODEL

1. Customer Management:

- **Customer Information:** Capture and store customer details such as name, email, and address to facilitate communication and service delivery.
- **Order Placement:** Enable customers to place orders for various items.

2. Order Processing:

- **Order Tracking:** Track the status of orders from placement to delivery.
- **Order Management:** Manage order details including order ID, status, and order date.

3. Shipping and Delivery:

- **Shipping Information:** Record shipping details including shipping ID, delivery method, and estimated delivery date.
- **Delivery Tracking:** Track the delivery status of orders to ensure timely delivery to customers.

4. Payment Processing:

- **Payment Details:** Record payment information such as payment ID, method, amount, and payment date.
- **Payment Verification:** Ensure payments are processed correctly and are linked to the corresponding orders.

5. Inventory Management:

- **Inventory Tracking:** Monitor the availability of items in inventory, including item IDs, quantities, and stock availability.
- **Stock Management:** Update inventory levels based on orders placed and delivered.

6. Item Management:

- **Product Information:** Maintain a database of items with details like item ID, name, and quantity.
- **Order Fulfillment:** Ensure that ordered items are available in inventory and manage their allocation to orders.

Business needs

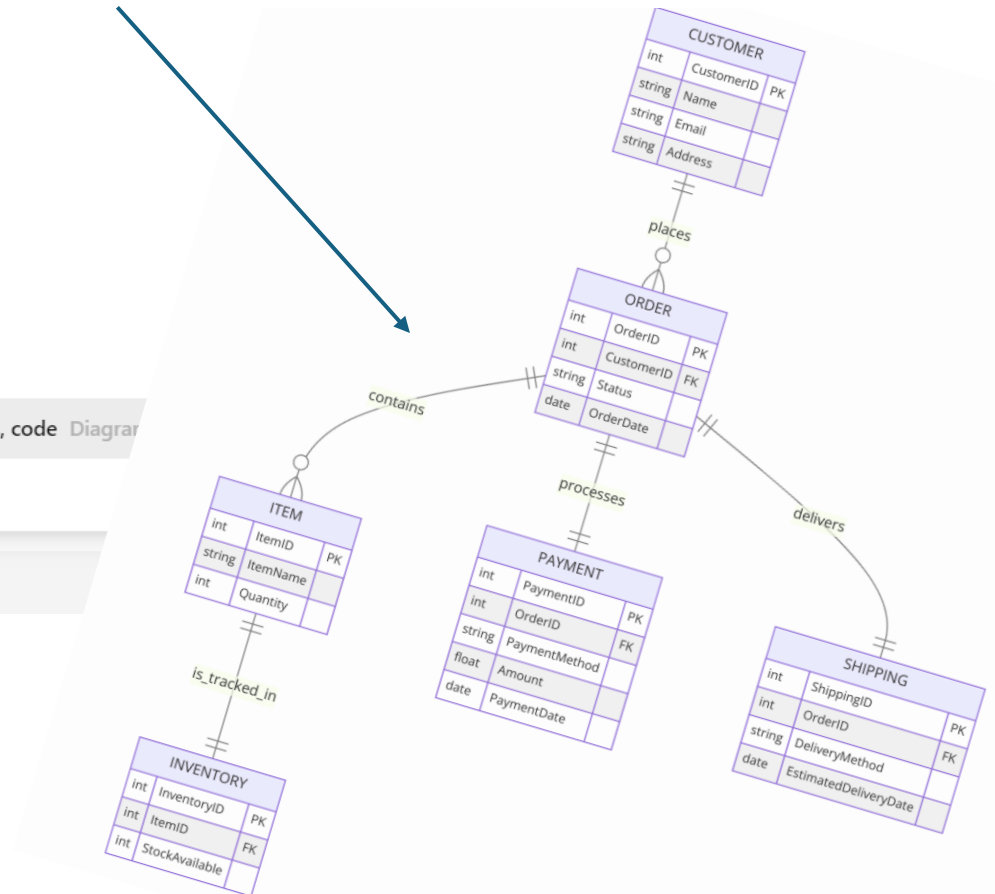


I will create a logical data model based on the business needs outlined from the provided diagram. This logical data model will include entities, attributes, and relationships that reflect the core functionalities necessary for managing customer orders, payments, shipping, inventory, and items.

Here's the logical data model:

Diagrams: Show Me | charts, presentations, code Diagram

+ Create a GPT



2. IT TEAM ASSISTED BY AI (7/7)

TO IMPLEMENT THE NO-CODE DATABASE

No-code database creation following the logical data model.

Using no-code database, the physical data model is generated automatically after creating the logical data model.

AI accelerated the database creation

The screenshot shows a no-code database interface for 'Order Management Data Model'. On the left, a sidebar contains navigation icons for 'Data', 'Records', 'Tasks', 'Pages', 'Settings', and 'Data Model'. A blue arrow points from the 'Data Model' icon to the main data model diagram. The main area features a search bar and a 'View' button. The data model consists of five tables:

- Customers** (5 records): Fields include Name, Email, Phone, Address, Orders, and Total Amount Sum.
- Orders** (2 records): Fields include Order Date, Total Amount, Items, Payment, Customer, Total Customers, Total Price, and Total Shipments.
- Shipping** (2 records): Fields include Address, Delivery Date, Status, and Order.
- Inventory** (4 records): Fields include Item Name, Description, Price, Quantity, Orders, Total Amount Sum, and Order Count.
- Payments** (1 record): Fields include Amount, Method, Confirmation, Payment Type, Total Amount Sum, and Total Amount Average.

Relationships are shown between tables: Customers to Orders, Orders to Shipping, Orders to Inventory, and Orders to Payments.

3. DRINKIZZ USE CASES (1/3)

BUSINESS PROCESSES

Sales process to manage order, payment, inventory and delivery

Process	Description	Entities Involved
Customer Registration	Capturing and storing customer details including name, email, and address.	Customer
Customer Purchase Order (CPO) Placement	Enabling customers to place orders by selecting products and specifying order details.	Customer, Customer Purchase Order (CPO), Product
CPO Tracking	Tracking the status of orders from placement to delivery.	Customer Purchase Order (CPO)
Payment Processing	Recording and verifying payment details including method, amount, and payment date.	Customer Purchase Order (CPO), Payment
Shipping and Delivery	Recording shipping details and tracking the delivery status of orders.	Customer Purchase Order (CPO), Shipping
Inventory Management	Monitoring the availability of items in inventory and updating stock levels.	Item, Inventory
CPO Fulfillment	Ensuring ordered items are available in inventory and managing their allocation to orders.	Customer Purchase Order (CPO), Item, Inventory

3. DRINKIZZ USE CASES (2/3)

GLOSSARY

Entity	Description	Codification Rules
Customer	An individual or entity that purchases products from Drinkizz.	Customer codes should be in the format VNMCUSTBTC-XXXX where XXXX is a unique, sequential number starting from 0001 and BTC for customer B to C.
Customer Purchase Order (CPO)	A request by a customer to purchase products, including details such as order date, customer name, and product information.	CPO codes should be in the format VNMCPOBTCYYYYMMDD-XXXX where YYYYMMDD is the date of the order and XXXX is a unique, sequential number for that day starting from 0001 and CPOBTC is order from customer B to C.
Product	An item sold by Drinkizz, including attributes like product name, category, price, and stock level.	Product codes should be in the format VNMPROD-XXXX where XXXX is a unique, sequential number starting from 0001.
Payment	Details of the transaction including method, amount, and payment date.	Payment records should reference the corresponding CPO code and use payment IDs in the format VNMPAY-XXXX.
Shipping	Details regarding the shipment of orders, including tracking information.	Shipping records should include the CPO code and use shipment IDs in the format VNMSHP-XXXX.

3. DRINKIZZ USE CASES (3/3)

CODIFICATION

Entity	Code Format	Example
Customer	VNMCUSTBTC-XXXX	VNMCUSTBTC-0001
Customer Purchase Order (CPO)	VNMCPOBTCYYYYMMDD-XXXX	VNMCPOBTC20240621-0001
Product	VNMPROD-XXXX	VNMPROD-0001

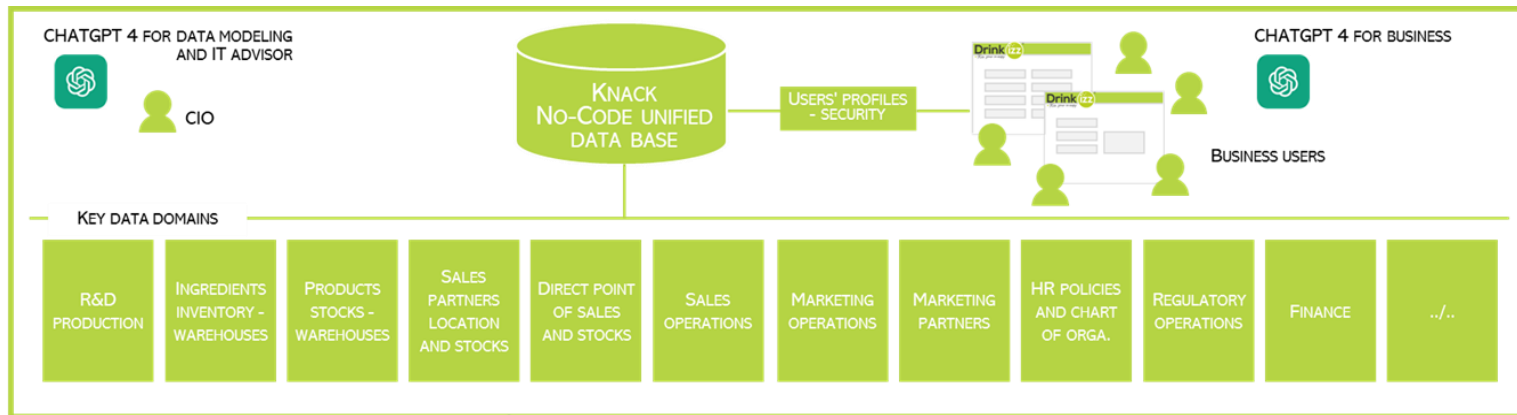
XXXX => Incremental number

4. AI SOLUTIONS USED AT DRINKIZZ

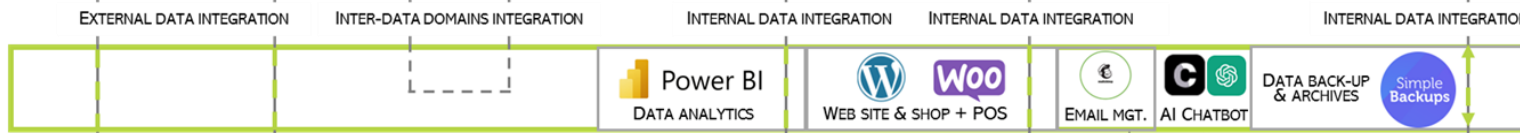
- ✓ THE DNA OF OUR DRINK, O.N.E (ORGANIC NATURAL ENERGY), IS ALIGNED WITH OUR VISION OF DATA MANAGEMENT AND OUR DIGITALIZATION
- ✓ IT'S THE IDEA OF PROGRESSING IN A SUSTAINABLE WAY BASED ON SOLID AND HEALTHY CHOICES. JUST LIKE OUR HEALTH, IT NEEDS PARTICULARLY INTELLIGENT ATTENTION TO SURVIVE IN A WORLD OF STRONG INNOVATION AND COMPLEXITY
- ✓ WE BELIEVE AND OBSERVE THAT NO-CODE + AI IS FUNDAMENTAL FOR SUSTAINABILITY IN TERMS OF DATA AND IT WHILE SIGNIFICANTLY REDUCING COSTS AND BETTER INVOLVING USERS

MASTERING YOUR DATA MEANS MASTERING YOUR BUSINESS, JUST AS MASTERING ONE'S HEALTH IS MUCH BETTER WITH OUR O.N.E DRINK

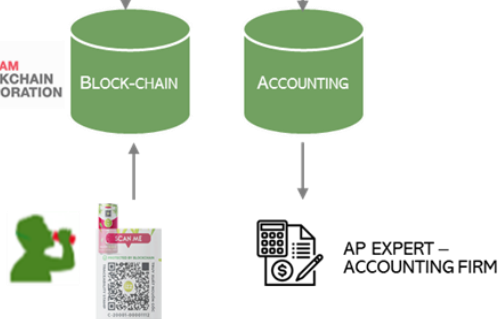
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DATA MANAGEMENT



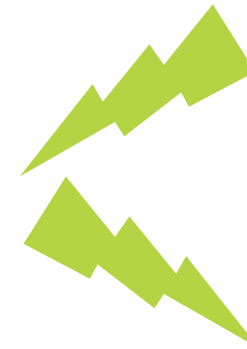
make
DATA INTEGRATION
BUSINESS WORKFLOWS



VIETNAM BLOCKCHAIN CORPORATION



CUSTOMER SUPPORT



LEARN MORE AND ENGAGE

CREATE A WORKING GROUP AND PROPOSE AN "ASK ME ANYTHING" SESSION



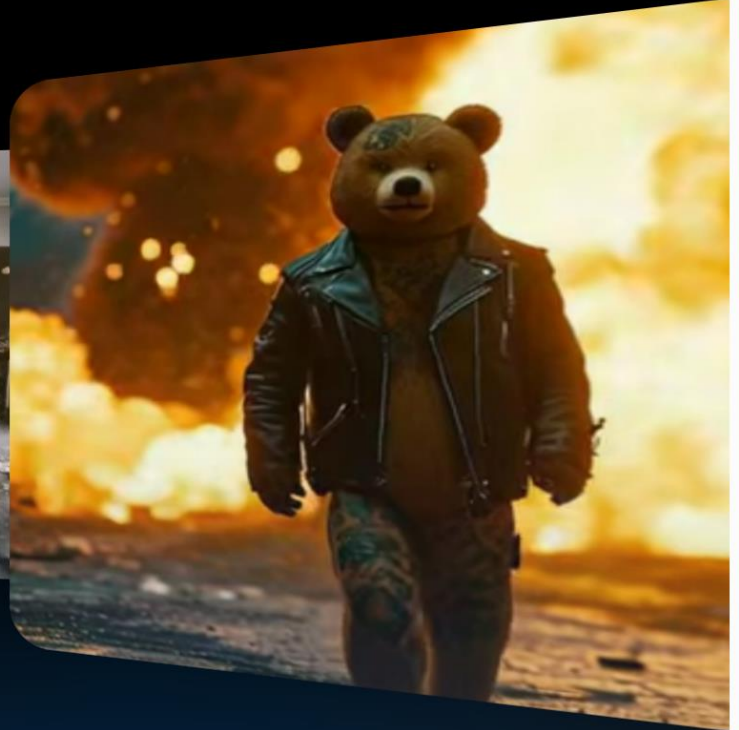
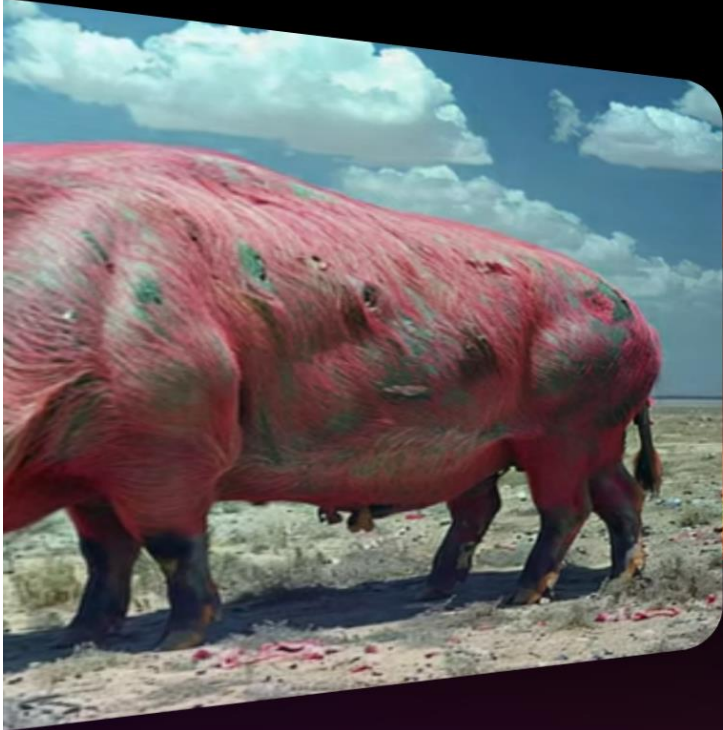
AI NEWS

AI VIDEO CRAFTING



Dream MACHINE

Try Now



My prompt:

One thousand spheres moving above a lake in a future world



My prompt:

An asia woman drinking a can of organic natural energy at gym center in the past 1950 in USA



My prompt:

A blue bird flying in a red sky



My prompt:

Another bird in green color suddenly chase the blue bird and tourn aaround him



MASTERING NO-CODE AND AI

Master the fundamentals of No-code and AI with a hands-on **4-hour course** designed to help you launch and scale your business.

"Featuring a real-world case study from startup Drinkizz in the beverage industry."

No code and AI Training Session

This course shares Drinkizz's journey in leveraging No-code and AI, showcasing its power even for small startups.

It underlines how No-code and AI reduce IT expenses while maintaining agility, emphasizing the importance of methodology and data management.

We demonstrate that with a strategic approach, these tools can be pivotal for businesses of any size, fostering growth and allowing for continuous innovation and stability.

OUR OFFERS

COURSE CONTENT

9 sections - Total duration: 4 h

SECTION 1

INTRODUCTION TO NO-CODE TOOLS.

SECTION 2

BUILD A KNACK APP (NO-CODE DATABASE).

SECTION 3

AI USED FOR DATA MODELING.

SECTION 4

DATA INGESTION WITH MAKE.

SECTION 5

DATA BACKUP WITH SIMPLE BACKUP AND GOOGLE DRIVE.

SECTION 6

DATA REPORTING AND ANALYSIS WITH CHATGPT-4.

SECTION 7

CREATE AN AI CHATBOT WITH CHATBASE.

SECTION 8

QUIZZES TO TEST YOUR UNDERSTANDING OF KEY KNOWLEDGE.

SECTION 9

QUESTIONS & ANSWERS.

<https://drinkizz.com/no-code-ai-training-session/>

OUR OFFERS

BOOST YOUR BUSINESS
WITH THE No-CODE
AND AI ADVISORY
STARTER-PACK



DAY 1

We take the time to understand your context and your needs to support you in the most relevant way during the 5 days.

Considering your context and stakes. Analysis of your documents necessary for knowledge acquisition - First discussion about No-Code with you.

DAY 2

We explain how No-Code and AI tools will help you and what method to use for their implementation (data, glossary, codification, processes, security, performance, back-up, maintenance).

Advice on the use of No-Code and AI tools in your context and justification of our choices.

DAY 3

The No-Code database is created with a maximum of about ten tables. We can also load real data from your CSV and Excel files and configure your users' profiles security.

Setting up the No-Code database with the use of ChatGPT as a modeling aid.

DAY 4

The other No-Code tools are installed and demonstrated in your context. Five integration processes are set up between a maximum of two systems.

Implementation of other No-Code tools: data backup, system integration, AI chatbot, email marketing, data analysis with ChatGPT and PowerBI.

DAY 5

We provide you with the financial details including the cost of the No-Code and AI tools as well as the skills needed for their implementation

Financial study with an estimate of the costs of No-Code and AI tools at the launch of your operations and for scaling up - Conclusion of the intervention.

<https://drinkizz.com/consulting-package-no-code-ai-by-drinkizz/>

NEXT SESSION ANNOUNCEMENT

AI BY DRINKIZZ #7 SCHEDULED FOR JULY 3, 2024, AT 9 AM CEST (2 PM VIETNAM TIME)



Pierre BONNET

Using AI to achieve
financial independence
in entrepreneurship



In this session, Pierre Bonnet will explain how AI can be used to accelerate entrepreneurial practice, focusing on Motion, Engagement, Treasury, and Insurance

THANK YOU!



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Organic Natural Energy Drink

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Organic by drinkizz

[YouTube](https://www.youtube.com/channel/UCqH4z0m171k-25)



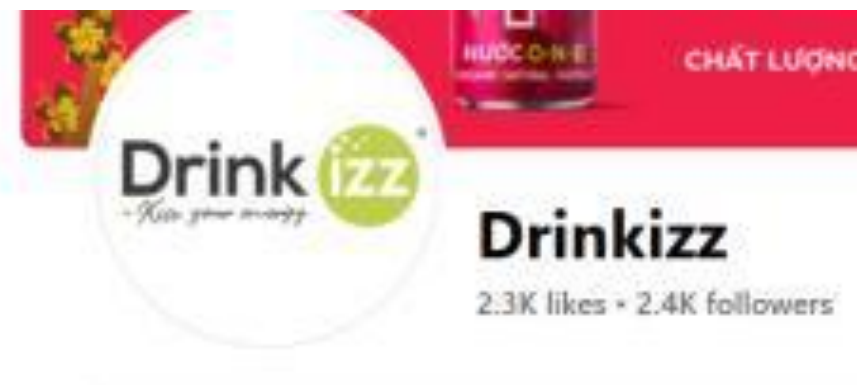
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Food and Beverage Services

Đà Kao, Ho Chi Minh City · 630 followers

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