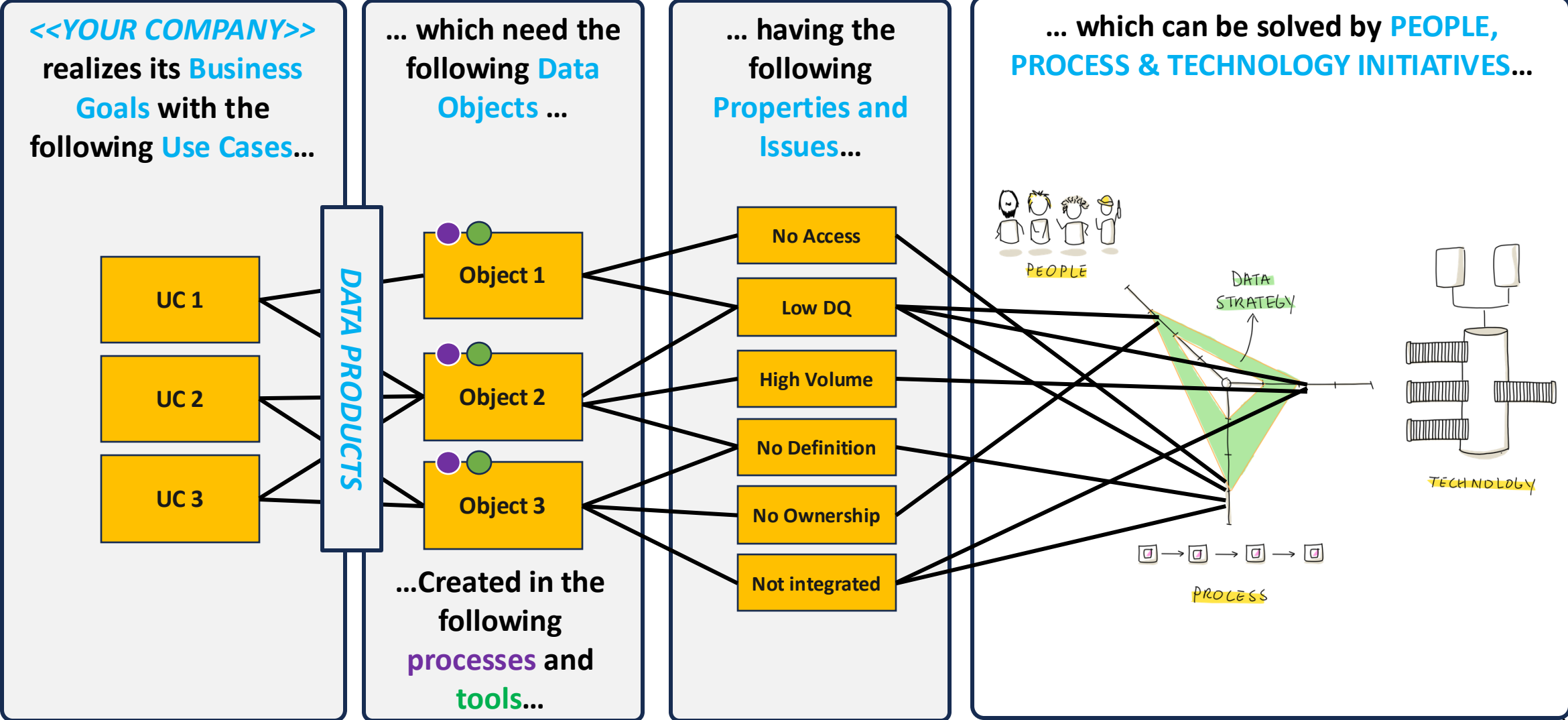


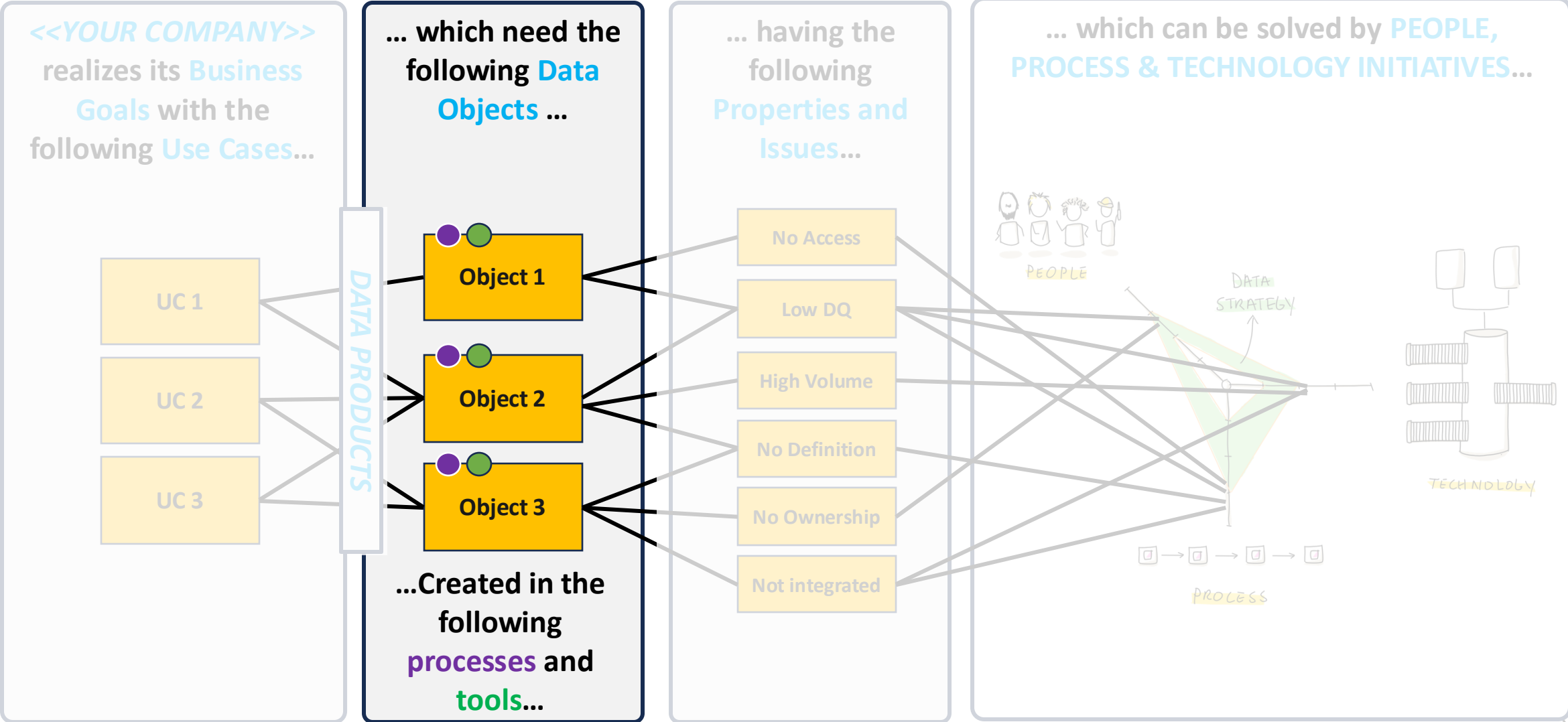
# DATA ARCHITECTURE



# Data Strategy Framework



# Data Strategy Framework

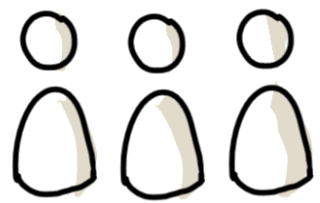


**BUS. DOMAINS:**

SALES

FINANCE / ACCOUNTING

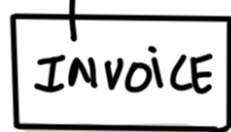
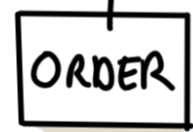
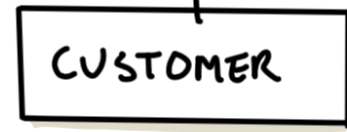
**PEOPLE**



**PROCESS**



**TECHNOLOGY**



**DATA (ENTITIES)**



# Business Domain

A specific **area of expertise or knowledge within a company** that focuses on particular business functions or industries. For example, "Finance" or "Human Resources" are business domains. It defines the scope of responsibilities, rules, and activities in a specific field.

# Business Process

A series of tasks or steps carried out to achieve a specific business goal. **It's how work gets done within an organization.** For example, the **order-to-cash process** includes all the steps from receiving an order to collecting payment.



# Entities

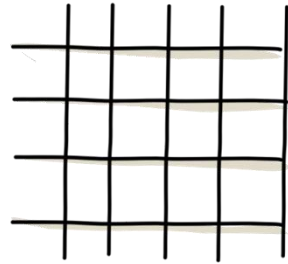
An entity is a **conceptual representation of something relevant to a business**, usually a tangible or abstract entity, **that groups data**. Examples:

- **Customer**, grouping data like name, address, and purchase history
- **Product**, grouping data like product ID, price, and stock level.

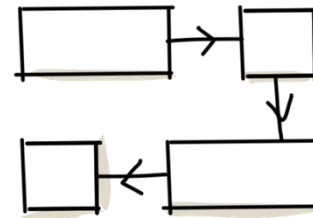


# Data Architecture

MATRIX

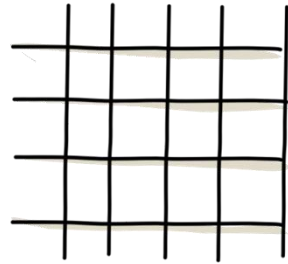


DATA FLOW

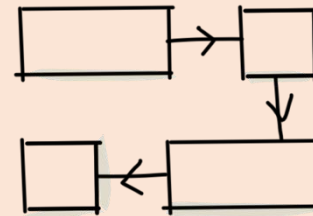


# Data Architecture

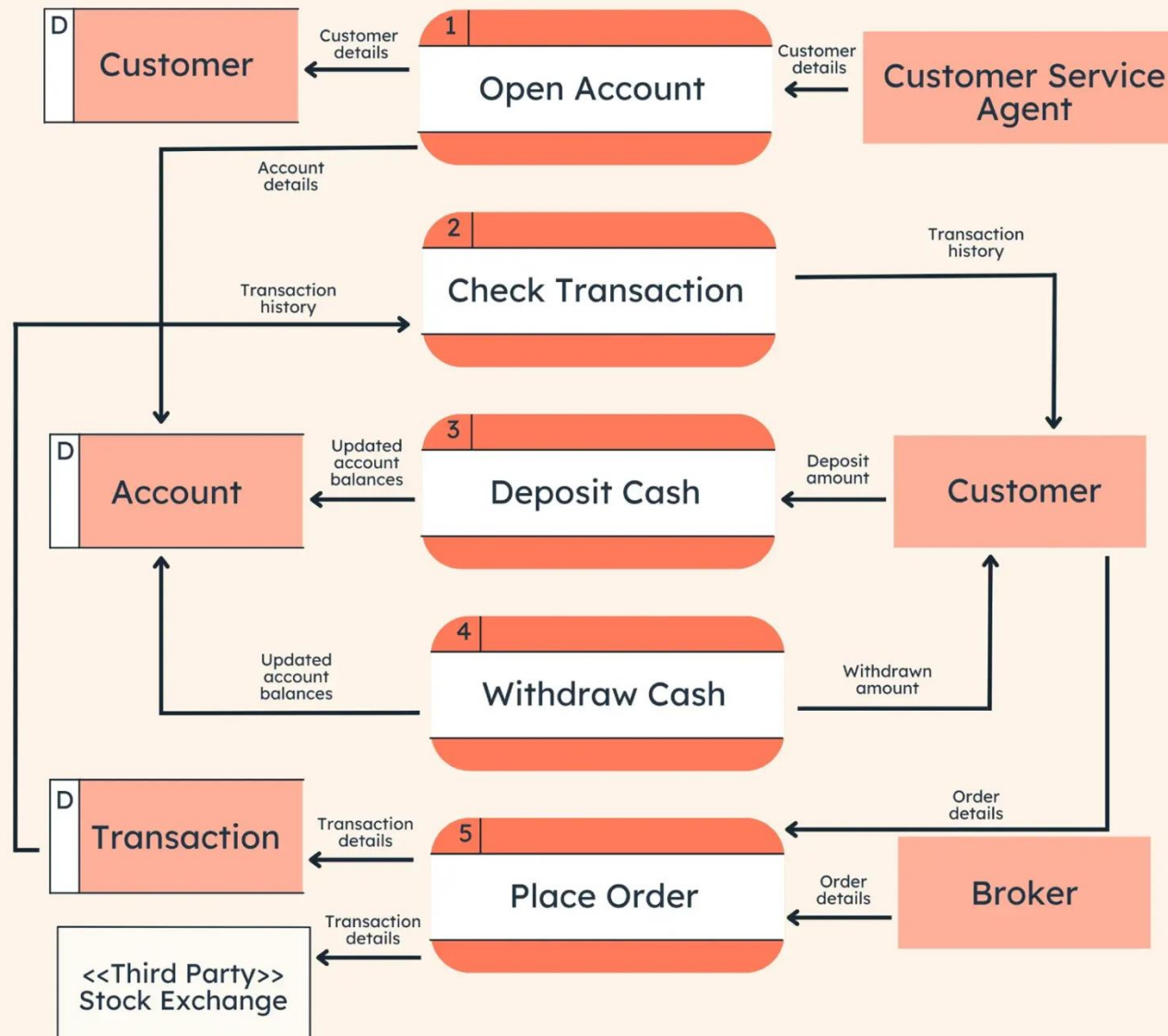
MATRIX

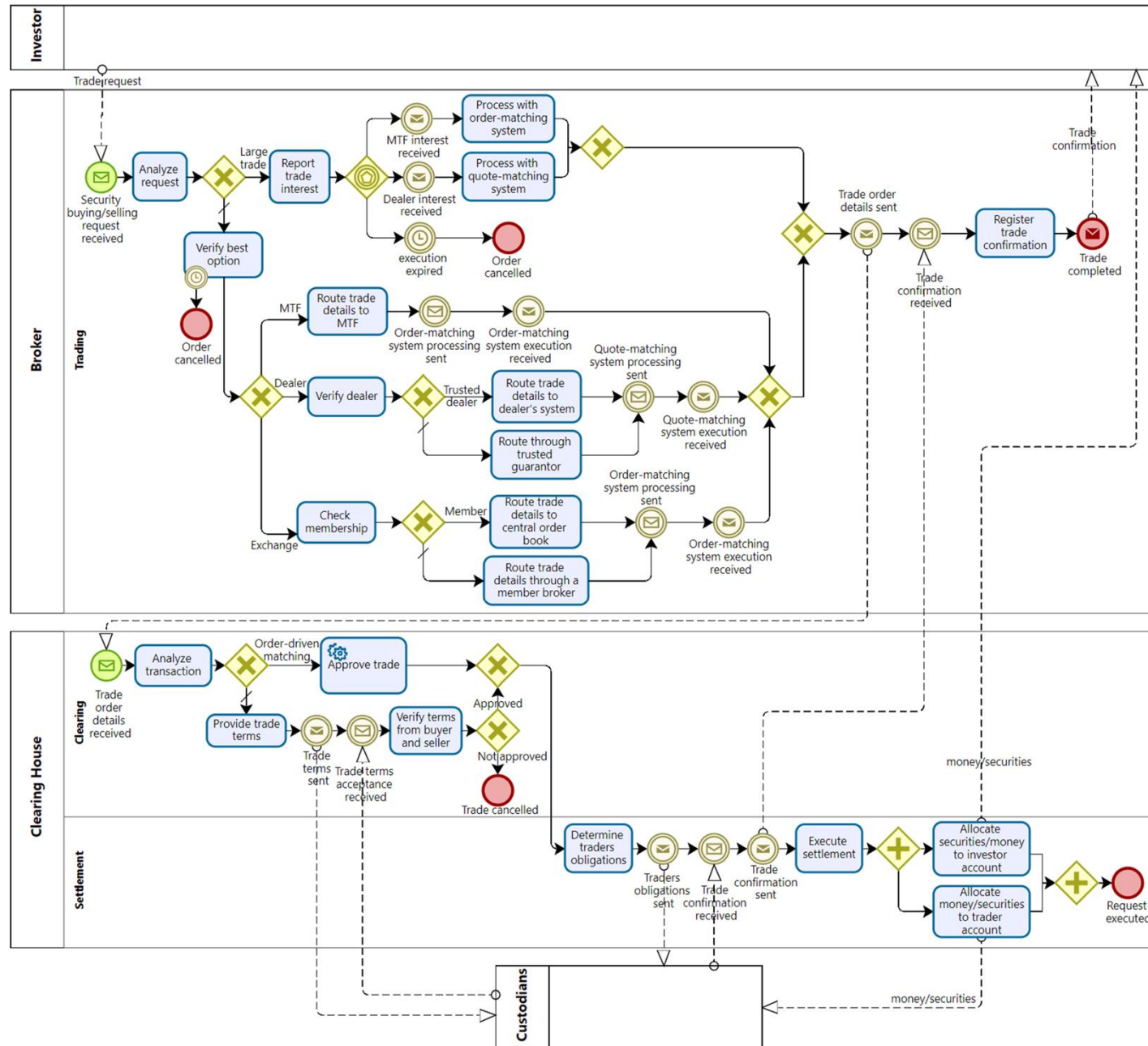


DATA FLOW



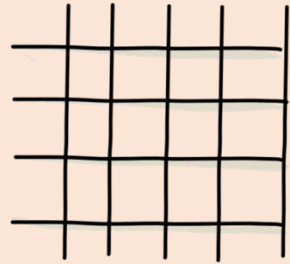
# Data Flow Diagram – Processes & Data



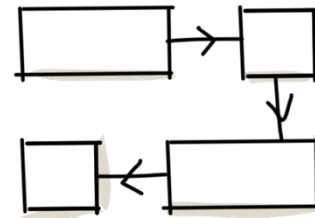


# Data Architecture

MATRIX



DATA FLOW

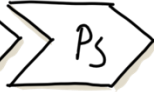
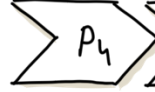
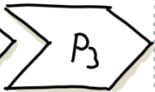


# Domains, Processes and Entities

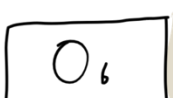
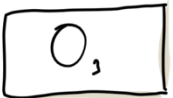
## BUSINESS DOMAINS



## BUSINESS PROCESSES



## DATA ENTITIES



● = CREATE

● = USE

● = UPDATE

“Process **P1** (part of Domain **DA**) creates Entity **O1**. This entity is updated in Process **P2** and used in Process **P4**.”











# My advice on Data Architecture

1. Run an initial workshop for your most important use cases
2. Use these artefacts to identify:
  - Data origin (sources)
  - DQ problem rootcauses
  - UC Stakeholders
  - Base of data modeling
  - Data Owners
  - ...
3. Don't go too far, creating a detailed process x tool x data map can take a lot of time.
4. If you have BPO / BA / EA resources, collaborate with them! They can gradually own these artefacts.

