**Dimensional modelling for Fufu Republic**

**Business Process: Order Processing**

Fufu Republic wants to understand how customers make purchases, which payment methods are most popular, inventory management across branches, and how menu items and promotions affect sales.

**Business Questions:**

* What are the total sales across branches?
* Sales performance
* How does the stock level impact sales performance?
* Number of customers across all location
* How do promotions impact customer purchasing behaviour?

**Entities /tables**

1. Customer
2. Order
3. Menu
4. Order date
5. Payment method
6. Location
7. Inventory
8. Promotion

**Relationship**

Customer to order; One to many

Location to Customer

Order to payment method; One to many

Promotion to Order; One to many

Order to menu; One to many

Location to order; One to many

Location to inventory; One to many

**Constraint**

Order ID, Customer ID, Payment ID must not be NULL

**Fact table;**

Order

**Dimension table;**

Customer

Menu

Order date

Payment method

Location

Inventory

Promotion

