

## Data Warehouse Schema Design:

### Dimensions:

#### Customer Dimension:

- customer\_id (PK)
- full\_name
- membership\_type\_id (FK)
- loyalty\_number
- membership\_valid\_from
- membership\_valid\_to
- created\_date
- update\_date

#### Items Dimension:

- item\_id (PK)
- item\_name
- sale\_price
- cost\_price
- parent\_item\_id (FK)
- created\_date

#### Campaign Dimension:

- campaign\_id (PK)
- campaign\_name
- membership\_type\_id (FK)
- store\_id (FK)
- valid\_from\_date
- valid\_to\_date
- is\_expired
- created\_date
- created\_by

#### Store Dimension:

- store\_id (PK)
- store\_name
- address
- city
- country
- tax\_rate\_1
- tax\_rate\_2
- created\_date

#### Preferences Dimension:

- preference\_id (PK)
- preference\_name
- preference\_type

- created\_date

#### Customer Preferences Dimension:

- customer\_preferences\_id (PK)
- customer\_id (FK)
- preference\_id (FK)
- preference\_name
- preference\_value
- created\_date

#### Order List Dimension:

- order\_list\_id (PK)
- order\_id (FK)
- item\_id (FK)
- sale\_price
- created\_date
- updated\_date

#### Order Status Dimension:

- order\_status\_id (PK)
- order\_status\_name
- created\_date
- updated\_date

### Facts:

#### Orders Fact:

- order\_id (PK)
- customer\_id (FK)
- campaign\_id (FK)
- store\_id (FK)
- order\_list\_id (FK)
- item\_id (FK)
- order\_status\_id (FK)
- customer\_preference\_id (FK)
- total\_gross
- since\_create\_till\_order
- gross\_per\_slae
- customer\_preferences
- delivery\_time\_avg
- since\_create\_till\_add\_preference
- since\_improve\_membership
- campain\_per\_store

