Experiment 2

Shashwat Shah
60004220126
Div B C2-2

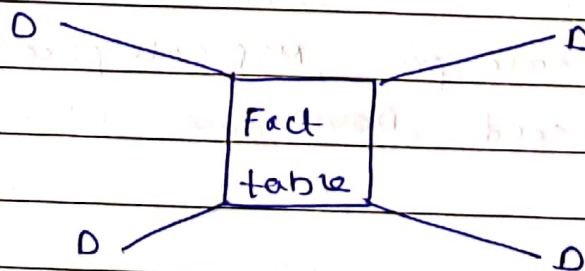**Aim :** To build a datawarehouse for a given problem statement.

① Identifying the source tables & population sample data.
② Making information package diagram.
③ Design dimensional data model.

Theory : Information package diagram is a novel idea for recording information requirement of data warehouse. It defines the relationship between subject matter and performance measures.

Facts is a quantitative piece of information. They have a foreign key relationship with a number of dimension tables.

Dimensions describe the objects in a fact table.

Star schema — It resembles a star & is the simplest type of schema. Every dimension is represented with only one dimension table. The dimension table is never no fact table using a foreign key.

Fact table

D — Dimension table

Snowflake Schema: It represents the snowflakes shape, it comparatively uses lesser disk space. It reduces the problem of data integrity. Here multiple hierarchies can belong to the same dimension.

Fact constellation schema

The schema is a group of different fact tables, that have few. group of different fact tables. that are associated with it. It is a flexible schema when compared with the others.
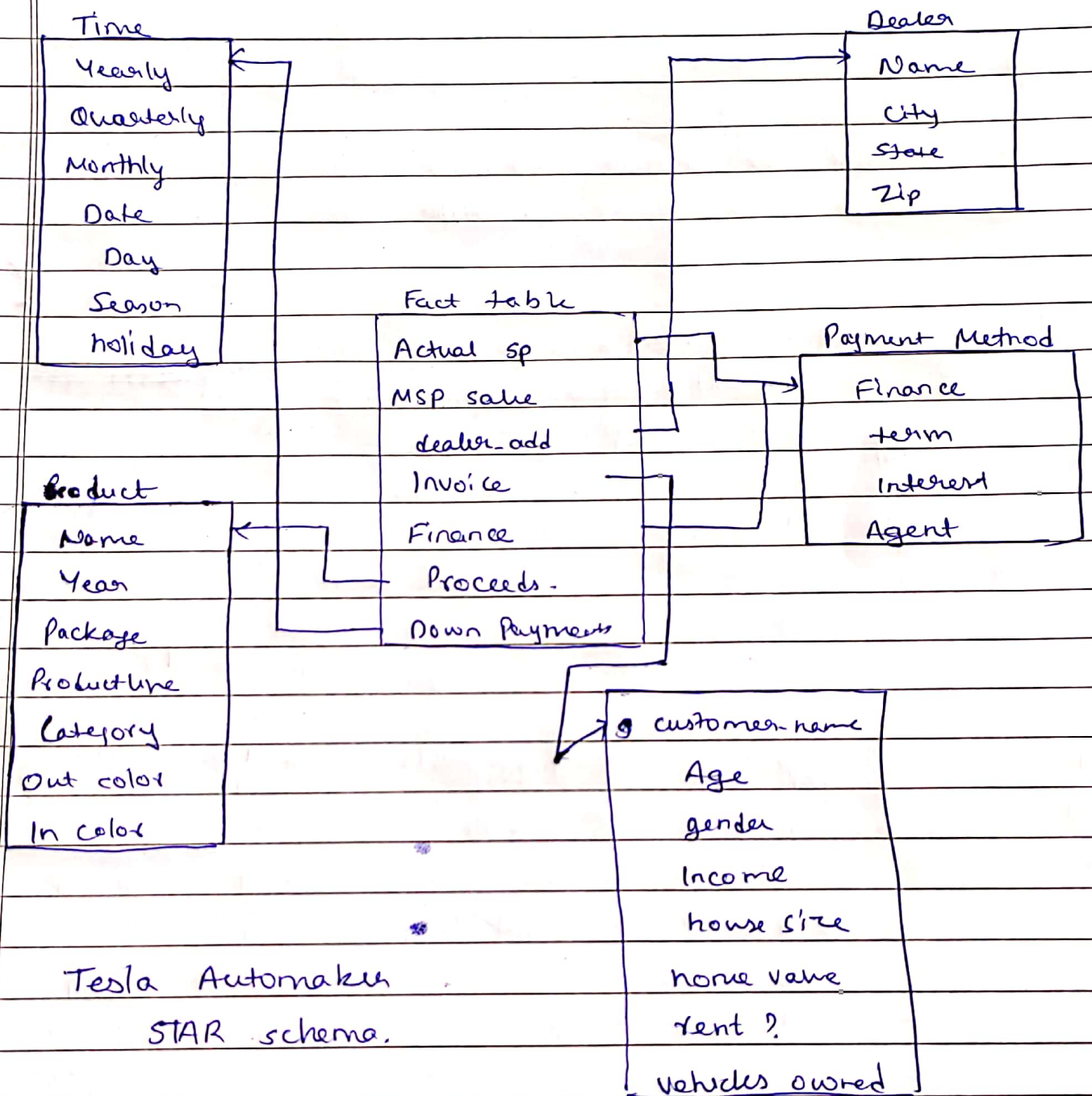
Conclusion: Hence, we have implemented Information Package

Dimensions

Time	Product	Payment Method	graphics (customer)	Dealer
Year	Name	Finance	Age	Name
Quarter	Year	Term	gender	City
Month	Package	Interest	Income	State
Date	Product line	Agent	House size	
Day	Category		home value	
Season	out colour		Rent ?	
holiday	in colour		vehicles owned	

Facts : Actual sale price, MSP sale price, dealer Add ons, Invoi
Finance, Proceeds, Down Payment.

Time

Yearly

Quarterly

Monthly

Date

Day

Season

holiday

Dealer

Name

City

State

Zip

Fact table

Actual sp

MSP sale

dealer_add

Invoice

Finance

Proceeds.

Down Payments

Payment Method

Finance

term

Interest

Agent

Product

Name

Year

Package

Productline

Category

Out color

In color

customer name

Age

gender

Income

house size

home value

rent ?

vehicles owned

Tesla Automaker

STAR schema.

Conclusion: Hence we have understood and implemented the information package.