TASK2 REPORT

1.BUSINESS TEMPLATE

1 BUSINESS DESCRIPTION

1.1 BUSINESS BACKGROUND

Cosmetics are something that every person uses. There are many shops that offer different types of cosmetics for different skin types. This type of business has a large number of competitors, so in order to achieve success, it is necessary to approach this matter responsibly and study many factors that affect the choice of cosmetics. First of all, this can be done by collecting information about product sales and analyzing it with the help of special tools.

1.2 PROBLEMS BECAUSE OF POOR DATA MANAGEMENT

Poor data management can affect incorrect decision-making. To maintain competitiveness, it is necessary to use tools that can provide you with information for analyzing and developing a business management strategy

1.3 BENEFITS FROM IMPLEMENTING A DATA WAREHOUSE

Using a data warehouse can help you solve the problems described above. Implementing a data warehouse can answer the following questions for you:

- Which producers have the highest prices?
- Which of them have the widest price distribution?
- Is there a typical price distribution (for example, normal) between brands or within specific brands? Is there a normal distribution by product prices?

Data processing will also allow you to:

- correlate specific product characteristics with price changes.
- identify brand preferences by country
- And much more.

2 DIMENSIONS OF A BUSINESS

3 LOGICAL SCHEME

4 DATA FLOW

5 FACT TABLE PARTITIONING STRATEGY

6 STRATEGY OF PARALLEL LOAD

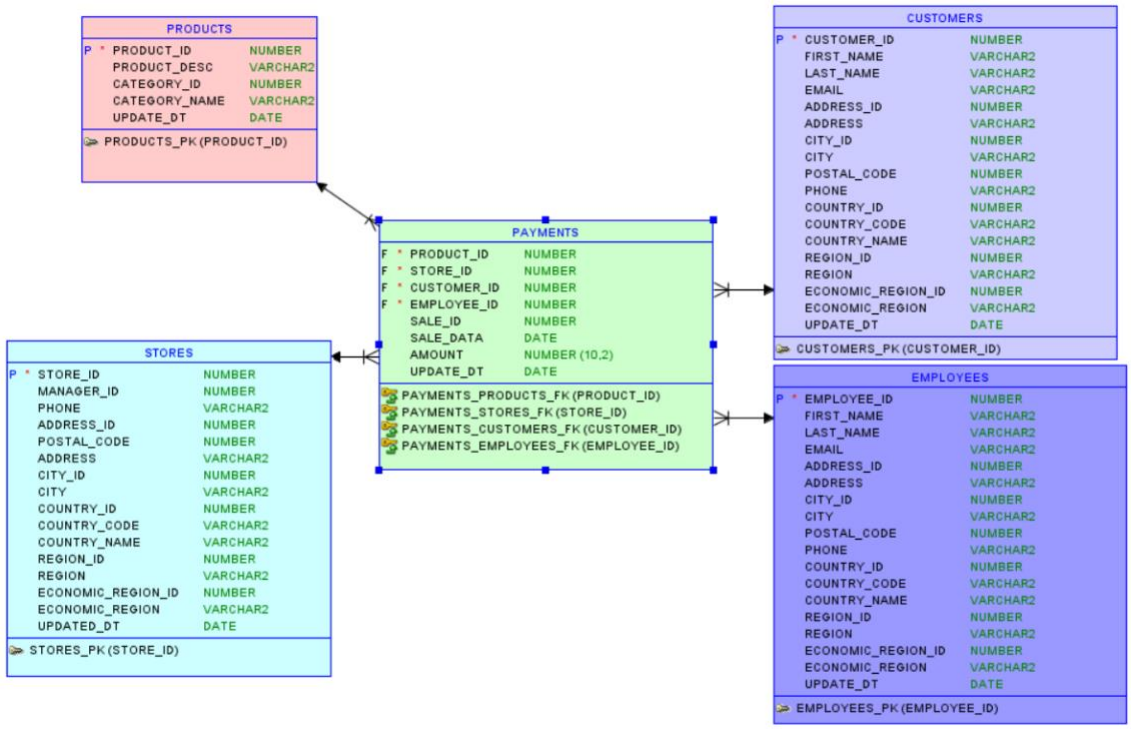
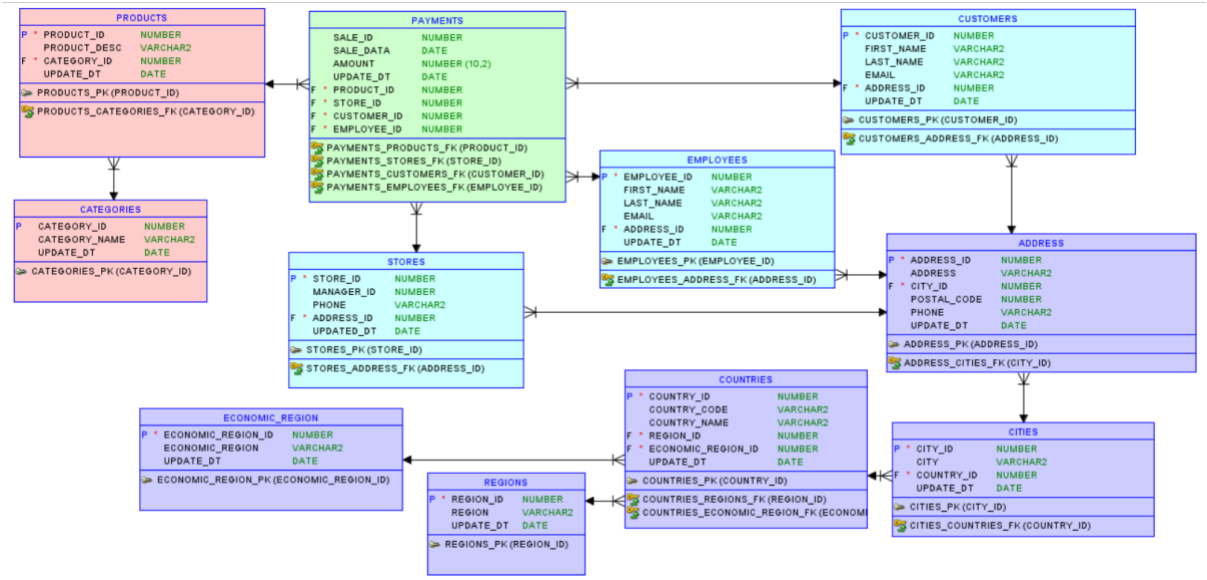
7 REPORT LAYOUTS

2.DATA MODELLING TASK

4-step 3D design process:

1) Select the business process.In my opinion, the process of this model is retail sales to individuals. Business process - receiving sales payments
2) Declaration the grain. In this scheme, the grain can be a payment. In the original diagram, the relationship between the sales and payments tables is one to many.
3) Identify the dimensions. The dimensions are product, customer, employee, store.
4) Identify the facts. The payment fact can be determined from the payment table.

Star Schema Model:



Snowflake Schema Model: