**SQL PROJECT**

**.Stage 1**

Decide on the business (i.e. online retailer or lending service) that you will be basing your project on.

.Company Name:MoDaRoZ

.Company Type: Online Fashion Retailer

List three or four questions that the business owners will want their data to answer (such as their most/least,popular products, busiest/quietest time of year).

1.Which product is the best selling?

2.What is the average price of the producst?

3.What is the total sales amount for December 2024?

4.Which payment method is used the most ?

**.Stage 2**

Decide on the tables required for your project including the fields that would be stored in each, the data type of each field (you don’t need to include any actual data at this stage).

Tables

-Categories

-Customers

-Employees

-Orders

-Payments

-Products

Show the relationships between the tables and identify primary and foreign keys.

Use https://app.diagrams.net/ (the List icon and lines/arrows) to create a diagram of the database design. Or you can use another programme or just draw it on paper and take a picture.

A diagram of a company

AI-generated content may be incorrect.

**.Stage 3**

The tables have been populated with data.

**.Stage 4**

1.Which product is the best selling?

SELECT p.product\_name, SUM(orders.Quantity) AS total\_sold

FROM orders JOIN products

ON orders.Product\_ID = product.product\_id

GROUP BY product.product\_name

ORDER BY total\_sold DESC

LIMIT 1;

Answer:Kids Cotton T-Shirt

2.What is the average price of the producst?

SELECT AVG(price) as average\_price

from products;

Answer:45.5311666

3.What is the total sales amount for December 2024?

SELECT sum(total\_amount) as total\_sales

FROM orders

where sale\_date >='2024-12-01'

dand sale\_date <='2024-12-31';

13.61691

4. Which payment method is used the most ?

SELECT payment\_method, COUNT(\*) AS usage\_count

FROM payments

GROUP BY payment\_method

ORDER BY usage\_count DESC

LIMIT 1;

Answer:Paypal=7

Based on my queries, my business’s best-selling category is the children’s section. The highest sales occur during the winter months. The most commonly used payment method among customers is PayPal. Considering the average price, I concluded that the business primarily caters to the middle class.”