Project 1 Kelompok 13 (Fantastic 4)
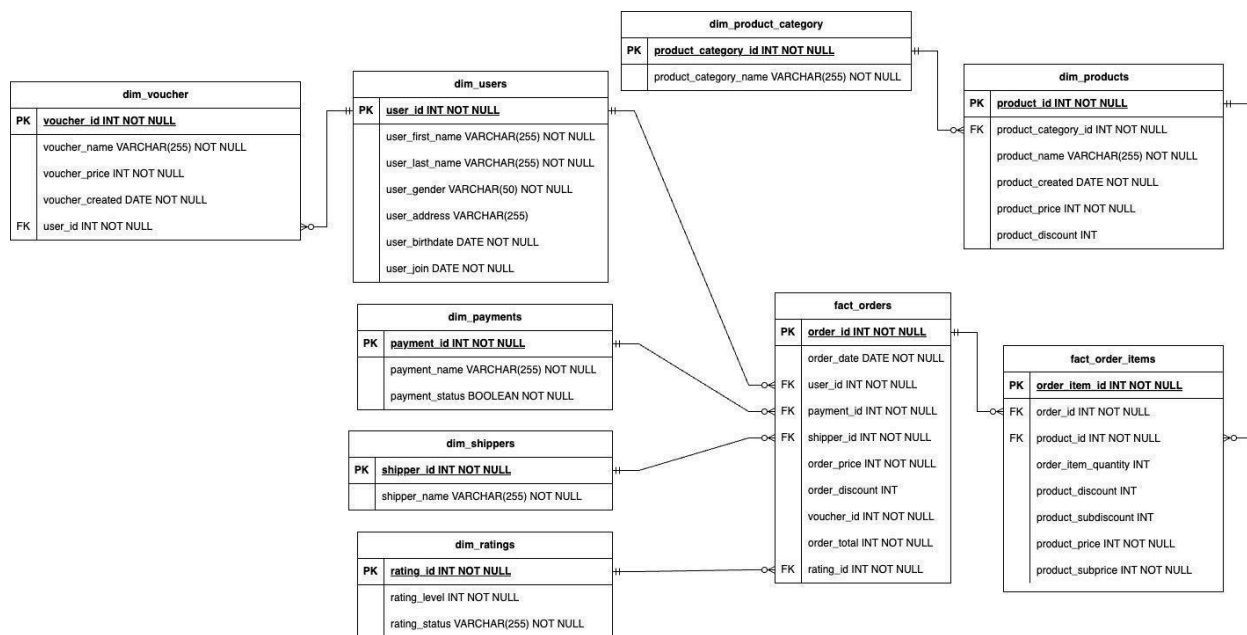
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- Ginta Khairunnissa

Link Github kolaborasi : https://github.com/thebettercode/Project-1-Fantastic-4-Digital-Skola

1. Lampiran gambar ERD dari draw.io

2. Lampiran screenshoot hasil dan script yg dirunning berhasil dgn tools dbeaver

https://drive.google.com/file/d/1LfeAneRyK01mN7cVPdWDDtp3XD-Xr7Qv/view?usp=sharing

```
--Tugas melengkapi script ddl_1.sql berdasarkan ERD
    CREATE TABLE IF NOT EXISTS dim_users (
        user_id INT NOT NULL PRIMARY KEY,
        user_first_name VARCHAR(255) NOT NULL,
        user_last_name VARCHAR(255) NOT NULL,
        user_gender VARCHAR(50) NOT NULL,
        user_address VARCHAR(255),
        user_birthday DATE NOT NULL,
        user_join DATE NOT NULL
    );
    CREATE TABLE IF NOT EXISTS dim_payments (
        payment_id INT NOT NULL PRIMARY KEY,
        payment_name VARCHAR(255) NOT NULL,
        payment_status BOOLEAN NOT NULL
    );
    CREATE TABLE IF NOT EXISTS dim_shippers (
        shipper_id INT NOT NULL PRIMARY KEY,
        shipper_name VARCHAR(255) NOT NULL
    );
    CREATE TABLE IF NOT EXISTS dim_ratings (
        rating_id INT NOT NULL PRIMARY KEY,
        rating_level INT NOT NULL,
        rating_status VARCHAR(255) NOT NULL
    );
    CREATE TABLE IF NOT EXISTS dim_voucher (
        voucher_id INT NOT NULL PRIMARY KEY
```
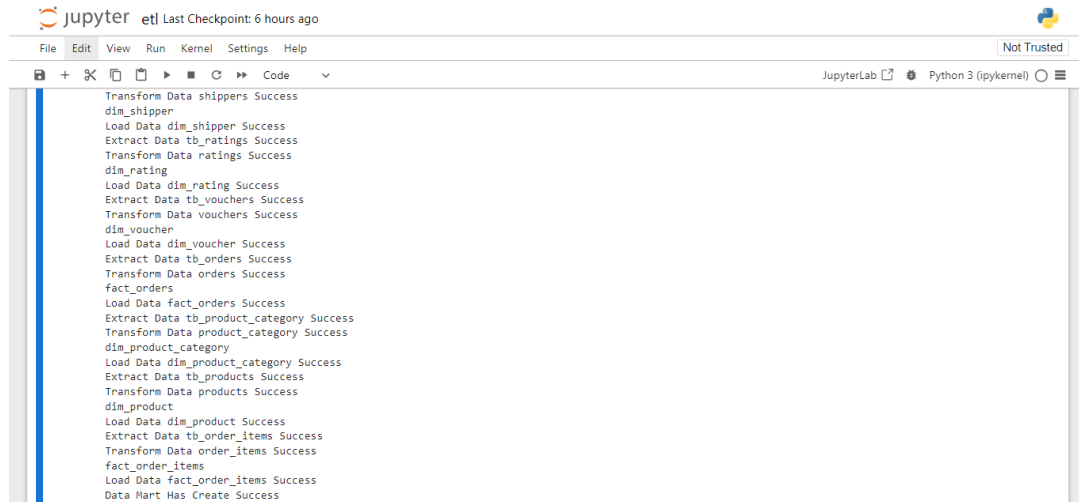
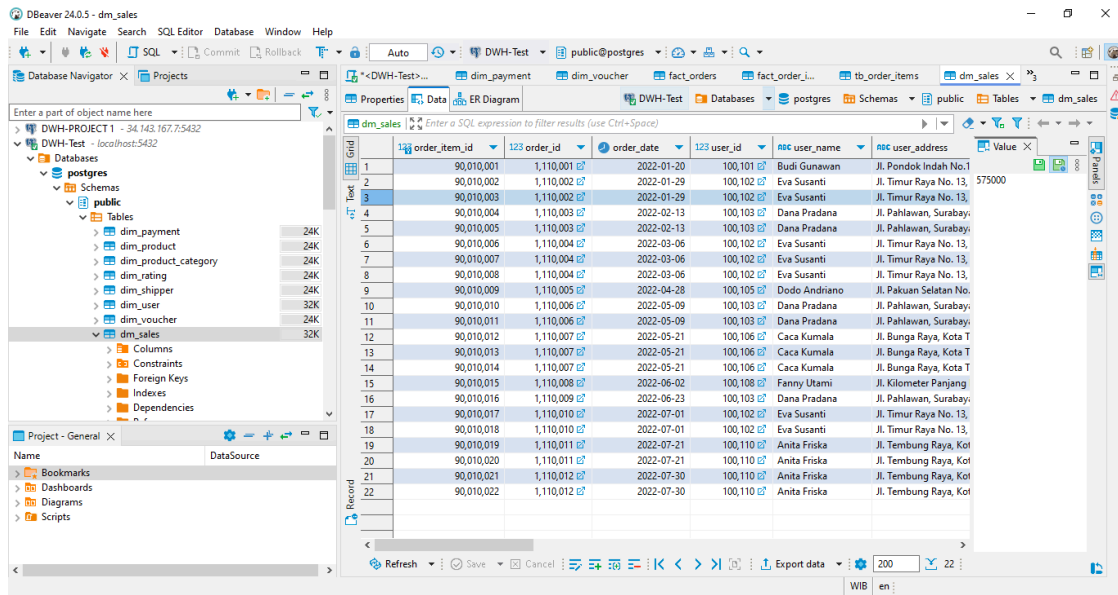3 Lampiran screenshoot hasil dan script yg di running di jupyter notebook

Running function ETL process:
https://drive.google.com/file/d/16cwst4MMBx3J9HvkY07FGQuXBgl2nR2Y/view?usp=sharing

Output Data Mart:

Script insert Data di Data Mart (Config.py):
Notes : Database yg digunakan environment Localhost karena tidak bisa akses Database yang disediakan digital skola

https://drive.google.com/file/d/1B_vioAClPjhSpqRJ1pJgCJSoum2Xk89o/view?usp=sharing

```python
"insert_dm_sales": """
    TRUNCATE TABLE dm_sales;
    INSERT INTO dm_sales (order_item_id, order_id, order_date, user_id, user_name, user_address, product_id, product_name,
                          product_price, product_discount, product_margin, product_category_id,
                          product_category_name, payment_type, shipper_name,
                          order_price, order_discount, voucher_name, order_total)
    SELECT foi.order_item_id, fo.order_id, fo.order_date, fo.user_id, du.user_first_name || ' ' || du.user_last_name,
           du.user_address, dpr.product_id, dpr.product_name, dpr.product_price, dpr.product_discount,
           dpr.product_price-dpr.product_discount, dpr.product_category_id, dpc.product_category_name,
           dp.payment_name, ds.shipper_name, fo.order_price, fo.order_discount,
           dv.voucher_name, fo.order_total
    FROM fact_order_items foi
    LEFT JOIN fact_orders fo ON foi.order_id = fo.order_id
    INNER JOIN dim_user du ON fo.user_id = du.user_id
    INNER JOIN dim_payment dp ON fo.payment_id = dp.payment_id
    INNER JOIN dim_shipper ds ON fo.shipper_id = ds.shipper_id
    LEFT JOIN dim_voucher dv ON fo.voucher_id = dv.voucher_id
    INNER JOIN dim_product dpr ON foi.product_id = dpr.product_id
    INNER JOIN dim_product_category dpc ON dpr.product_category_id = dpc.product_category_id;
"""
```

4 Lampiran hasil chart dashboard dan link looker studio
https://lookerstudio.google.com/s/u2XE_sEtgxo

Overview

Pelanggan

Dashboard "the Fantastic 4" — halaman Pelanggan
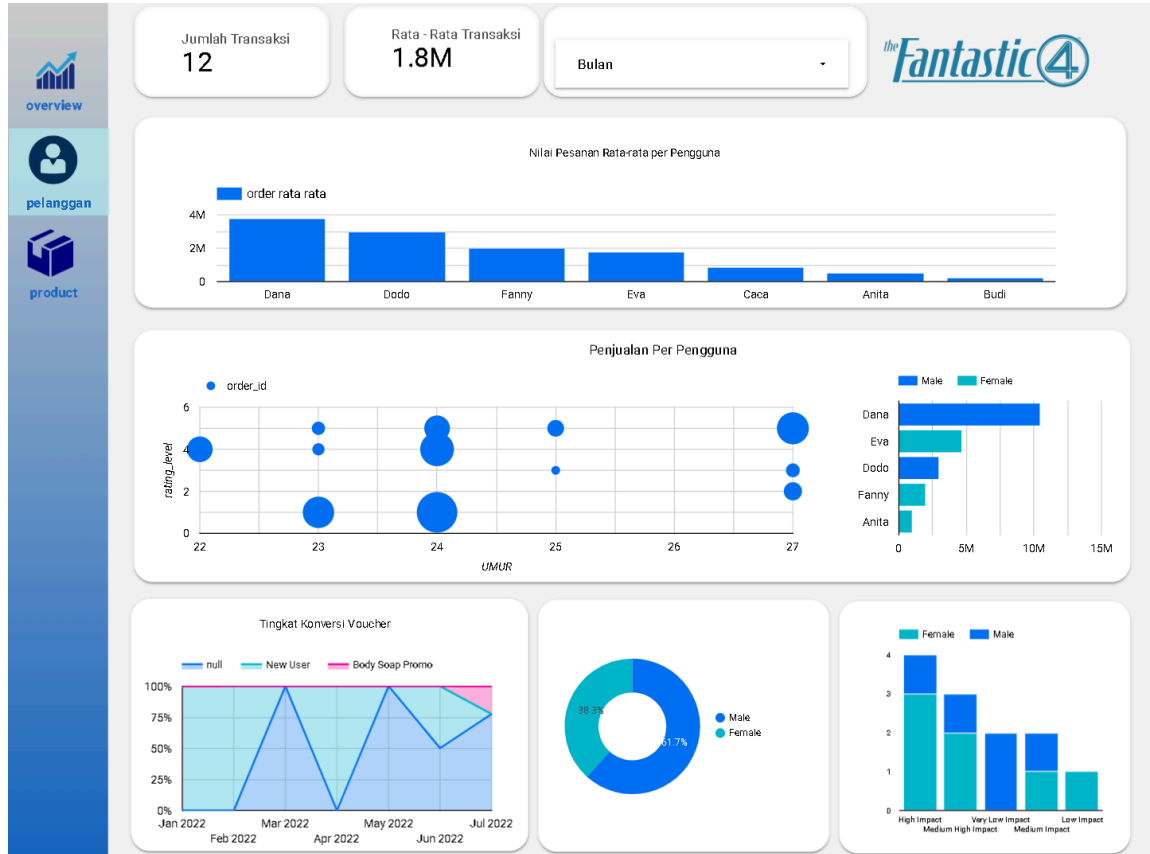
- Jumlah Transaksi: **12**
- Rata - Rata Transaksi: **1.8M**
- Bulan

Nilai Pesanan Rata-rata per Pengguna (order rata rata): Dana, Dodo, Fanny, Eva, Caca, Anita, Budi

Penjualan Per Pengguna (order_id) — rating_level vs UMUR (22–27); Male / Female: Dana, Eva, Dodo, Fanny, Anita

Tingkat Konversi Voucher (null, New User, Body Soap Promo) — Jan 2022 – Jul 2022

Donut Male / Female: 38.3% / 61.7%

Female / Male: High Impact, Medium High Impact, Very Low Impact, Medium Impact, Low Impact

Product

Dashboard "the Fantastic 4" — halaman Product

- Total Jumlah Product: **7**
- Total Kategori Produk: **3**
- Bulan

Jumlah Produck diorder: Shirt, Body Soap, Bag, Television, Headphone, Supplement, Camera

Jumlah Discount: Headphone, Body Soap, Shirt, Camera, Supplement, Bag, Television

Sebaran penjualan per kategori produk — Map (Malaysia, Indonesia)
order_price 250,000 – 18,500,000; product_category_name: Electronic, Fashion, Health & Beauty

Penjualan per Kategori Produk: Fashion 18, Electronic 7, Health & Beauty 5

Margin Laba Per Kategori Produk — Headphone, Shirt, Body Soap, Television, Supplement, Camera, Bag; Electronic, Fashion, Health & Beauty

Tingkat Konversi Voucher (null, New User, Body Soap Pr...): New User 50%, 41.67%, Body Soap Promo 8.33%