

PERTEMUAN 5, 6, 7

INVENTORY MANAGEMENT SYSTEM

Pada pertemuan ke-5, saya memulai dengan mencoba dan membandingkan hasil kode yang dihasilkan oleh beberapa AI, yaitu ChatGPT, Grok, Qwen, dan BlackBox. Setelah melakukan berbagai percobaan terhadap masing-masing hasil, saya memutuskan untuk menggunakan hasil dari Grok. Hasil kerja tersebut kemudian saya presentasikan pada pertemuan ke-7.

→ Struktur folder dan tutorial dari Grok

Grok

Updated Project Structure

Here's the updated folder structure:

text

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```
beauty-inventory-system/
├── index.html      # Front-end: Main page
├── style.css       # Front-end: Styling with a cute design
├── script.js       # Front-end: JavaScript for interactivity
├── backend/
│   ├── config.php  # Database connection
│   ├── get_products.php # PHP: Fetch all products
│   ├── add_product.php # PHP: Add a new product
│   ├── edit_product.php # PHP: Edit an existing product
│   ├── delete_product.php # PHP: Delete a product
│   └── database.sql # SQL: Updated database schema
```

Step 1: Update the Database (database.sql)

Since we're focusing on beauty products and removing the "Recent Purchase Invoice" and "Top 5 Purchase" sections, we only need the `products` table. We'll also remove the `sku` column and add a `merk` (brand) column.

database.sql

Create this file in Notepad++ and save it in the `beauty-inventory-system/` folder.

sql

Copy

```
-- Create the database
CREATE DATABASE beauty_inventory_db;
USE beauty_inventory_db;

-- Create table for products
CREATE TABLE products (

```

How can Grok help?

DeepSearch

Think

Grok 3

Grok

Step 4: Tutorial for Usage

Prerequisites

1. Install XAMPP:

As before, install XAMPP and place the `beauty-inventory-system/` folder in `C:\xampp\htdocs\`.

2. Import the Database:

Import `database.sql` into phpMyAdmin to create the `beauty_inventory_db` database.

Steps to Run

1. Start XAMPP

(Apache and MySQL).

2. Open your browser

and go to `http://localhost/beauty-inventory-system/index.html`.

3. You'll see the "Beauty Product Inventory"

page with:

- A cute, pastel-colored design.
- A form to add new products.
- A table listing all products with columns: Product, Merk, Category, Qty., Price, Total, and Actions (Edit/Delete buttons).

Interacting with the System

Add a Product:

- Fill in the form (e.g., Product Name: "Lip Gloss", Merk: "NYX", Category: "Lip Gloss", Quantity: 10, Price: 8.00).
- Click "Add Product". The table will update to include the new product.

Edit a Product:

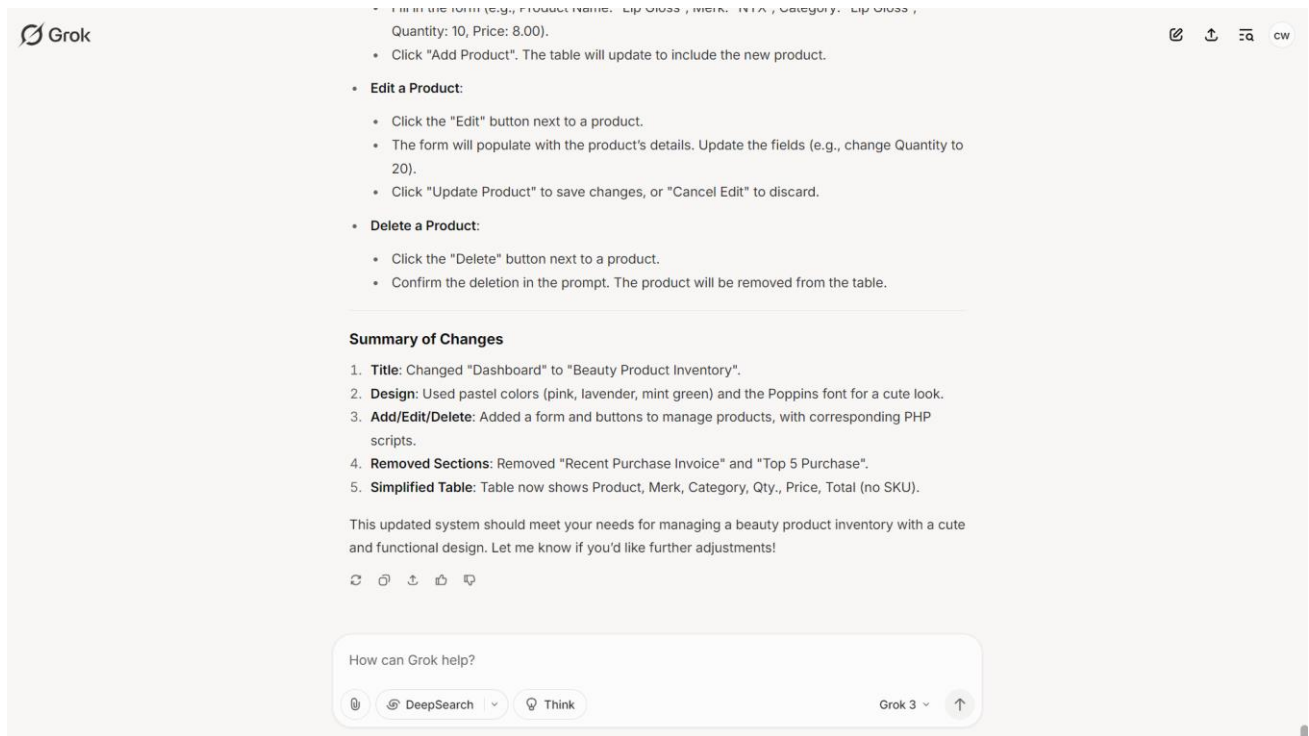
- Click the "Edit" button next to a product.
- The form will populate with the product's details. Update the fields (e.g., change Quantity ↑ 20).

How can Grok help?

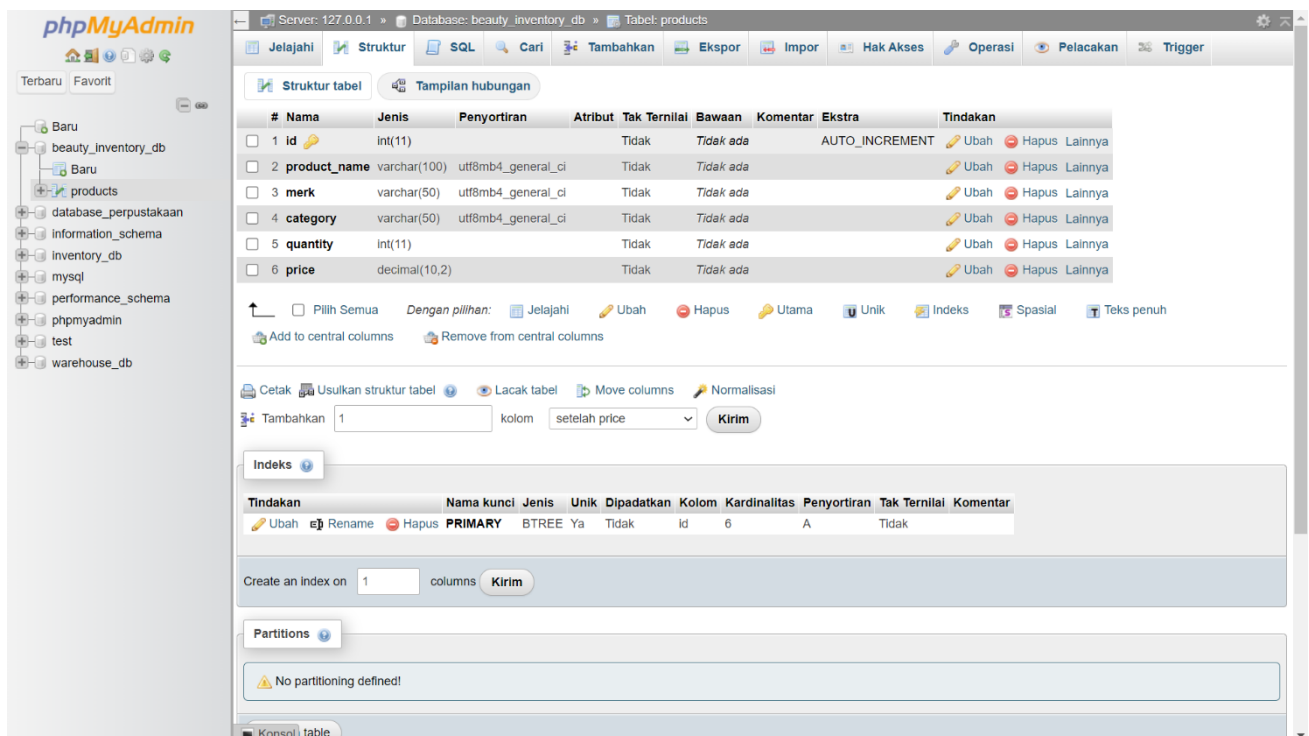
DeepSearch

Think

Grok 3



→ Tampilan pada phpMyAdmin setelah menginput SQL



→ Tampilan final dashboard Beauty Product Inventory dan telah dicoba menambahkan produk lipstick something

The screenshot displays the 'Beauty Product Inventory' dashboard. On the left is a purple sidebar with navigation links: Beauty Product Inventory, Summary, Stock Adjustment, Charges, Stock List, Stock Report, Product Ledger, and Setting. The main content area is divided into two sections. The top section, 'Add New Product', contains a form with input fields for Product Name, Merk (Brand), Category, Quantity, and Price, followed by an 'Add Product' button. The bottom section, 'Inventory List', features a table with the following data:

Product	Merk	Category	Qty.	Price	Total	Actions
Hydrating Lipstick	Maybelline	Lipstick	50	100000.00	5000000.00	<button>Edit</button> <button>Delete</button>
Matte Foundation	Fenty Beauty	Foundation	30	1000000.00	30000000.00	<button>Edit</button> <button>Delete</button>
Blush On Peach	NARS	Blush	20	2250000.00	45000000.00	<button>Edit</button> <button>Delete</button>
Eyeliner Waterproof	L'Oréal	Eyeliner	40	100000.00	4000000.00	<button>Edit</button> <button>Delete</button>
Moisturizing Cream	Cetaphil	Skincare	15	150000.00	2250000.00	<button>Edit</button> <button>Delete</button>
lipstick	something	makeup	10	150000.00	1500000.00	<button>Edit</button> <button>Delete</button>

The browser window shows the URL 'localhost/beauty-inventory-system/index.html' and the system clock indicates 2:59 PM on 3/28/2025.

→ Terbukti telah sinkron dengan phpMyadmin

Server: 127.0.0.1 » Database: beauty_inventory_db » Tabel: products

Terbaru Favorit

Baru
beauty_inventory_db
Baru
products
database_perpustakaan
information_schema
inventory_db
mysql
performance_schema
phpmyadmin
test
warehouse_db

Menampilkan baris 0 - 5 (total 6, Pencarian dilakukan dalam 0,0261 detik.)

SELECT * FROM `products`

Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]

Tampilkan semua | Jumlah baris: 25 | Saring baris: Cari di tabel ini | Sort by key: Tidak ada

Extra options

				id	product_name	merk	category	quantity	price		
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	1	Hydrating Lipstick	Maybelline	Lipstick	50	100000.00
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	2	Matte Foundation	Fenty Beauty	Foundation	30	1000000.00
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	3	Blush On Peach	NARS	Blush	20	2250000.00
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	4	Eyeliner Waterproof	L'Oréal	Eyeliner	40	100000.00
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	5	Moisturizing Cream	Cetaphil	Skincare	15	150000.00
<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	14	lipstick	somethinc	makeup	10	150000.00

Pilih Semua Dengan pilihan: Ubah Salin Hapus Ekspor

Tampilkan semua | Jumlah baris: 25 | Saring baris: Cari di tabel ini | Sort by key: Tidak ada

Operasi hasil kueri

Cetak Salin ke clipboard Ekspor Tampilan bagan Buat tampilan

Markah kueri SQL ini

Judul: ☐ Izinkan semua pengguna untuk mengakses markah ini

localhost/phpmyadmin/index.php?route=/table/search&db=beauty_inventory_db&table=products