## **POSTGRES DATABASE**

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#### 3

#### **TABLE CREATION**

Files for the Scripts for creating tables and insert the data

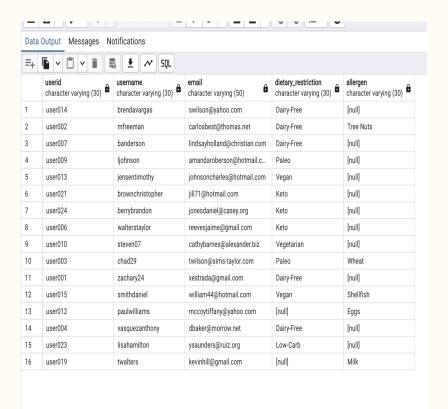
- Combined.txt
  - script to create the tables
- RANDOM\_DATA\_INSERTION.txt
  - script to insert data
- CLEAR\_ALL\_TABLES.txt
  - script to delete all tables

```
DROP TABLE IF EXISTS Appliser CASCADE;
DROP TABLE IF EXISTS Gender CASCADE;
DROP TABLE IF EXISTS Languages CASCADE;
DROP TABLE IF EXISTS Country CASCADE;
DROP TABLE IF EXISTS UserProfile CASCADE;
DROP TABLE IF EXISTS Allergies CASCADE;
DROP TABLE IF EXISTS DietaryPref CASCADE;
DROP TABLE IF EXISTS Cuisine CASCADE;
DROP TABLE IF EXISTS User_User_Relationship CASCADE;
DROP TYPE IF EXISTS Status CASCADE:
-- ENUMS
CREATE TYPE Status as ENUM('ACTIVE', 'SUSPENDED', 'DEACTIVATED', 'BANNED');
--USER
CREATE TABLE AppUser (
UserID varchar(30) PRIMARY KEY,
Username varchar(30),
Email varchar(50),
EmailVerified boolean,
PasswordHash varchar(100),
AutoProvider varchar(30),
OAuthToken varchar(50).
RegistrationDate timestamp,
AccountStatus Status.
LastLogin timestamp,
IPAddress varchar(30)
-- GENDER
CREATE TABLE Gender(
GenderID varchar(30) PRIMARY KEY
-- I ANGUAGE
CREATE TABLE Languages (
LanguageID varchar(5) PRIMARY KEY,
LanguageDescription varchar(150)
```

#### **Potential Queries**

Here are some potential queries that can be used for the Machine Learning team or the Development Team to get the data they need to do their work.





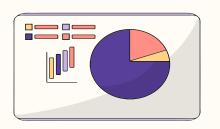
#### **QUERY #1**

This query gives a list of users who have provided either dietary preferences, allergy information, or both. It shows contact information along with the relevant dietary or allergen data

**Tables** 

- App Users, DietaryPref, Allergies
- Where Diet name or AllergyName is not null

### **QUERY**



For the Development team, after the user logins in the development team can use this query to upload information about the user on their profile page or dashboard page.

Information: username, first name, last name, email, gender, language, and country

username character varying (30)	firstname character varying (30)	lastname character varying (30)	email character varying (50)	genderid character varying (30)	languageid character varying (5)	countryid character varying (5)
zachary24	Amber	Evans	xestrada@gmail.com	Female	EN6	C2

SELECT a.username, cp.firstname, cp.lastname, a.email, g.genderid, lan.languageid, c.countryid

FROM AppUser a, Gender g, Languages Ian, Country c, UserProfile cp
WHERE a.userid = 'user001' and a.userid = cp.userid and cp.gender = g.genderid
and cp.languages = Ian.languageid and cp.country = c.countryid;

4.64

3.47

1.53

tbsp

piece

OZ

7

{"Calories": 505, "Protein": 36.6, "Fat": 27.9}

Olive Oil

Pasta

**DATA TEAM** 

Data Output

2

3

4

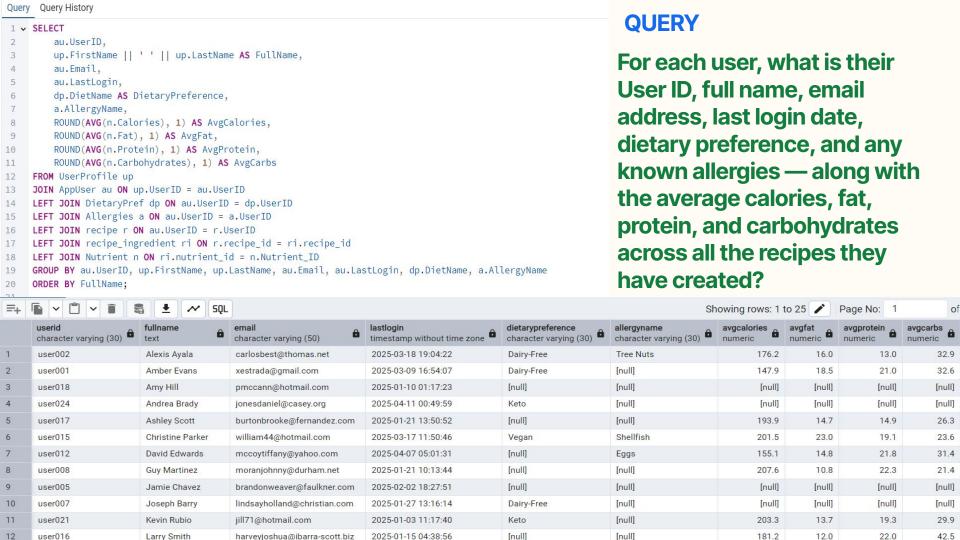
5

recipe\_id

integer

title

Chicken Pasta Salad



# DEMO

LINK TO VIDEO DEMO

We are unable to add the image into the server, when running the final command "docker run some-postgres" it never finished running for the last 15 mins, this was as screenshot of our last progress

```
cycled; write=0.005 s, sync=0.001 s, total=0.015 s; sync files=2, longest=0.001 s, average=0.001 s; distance=0 kB, estima
te=0 kB; lsn=0/14E4F98, redo lsn=0/14E4F98
2025-04-21 20:33:18.740 UTC [123] LOG: database system is shut down
 done
server stopped
PostgreSQL init process complete; ready for start up.
2025-04-21 20:33:19.026 UTC [1] LOG: starting PostgreSQL 17.4 (Debian 17.4-1.pgdg120+2) on aarch64-unknown-linux-gnu, co
mpiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
2025-04-21 20:33:19.034 UTC [1] LOG: listening on IPv4 address "0.0.0.0", port 5432
2025-04-21 20:33:19.035 UTC [1] LOG: listening on IPv6 address "::", port 5432
2025-04-21 20:33:19.038 UTC [1] LOG: listening on Unix socket "/var/run/postgresgl/.s.PGSQL.5432"
2025-04-21 20:33:19.065 UTC [158] LOG: database system was shut down at 2025-04-21 20:33:18 UTC
2025-04-21 20:33:19.112 UTC [1] LOG: database system is ready to accept connections
docker ps
docker exec -it some-postgres bash
[psql -h localhost -U postgres
2025-04-21 20:38:19.168 UTC [154] LOG: checkpoint starting: time
2025-04-21 20:38:20.896 UTC [154] LOG: checkpoint complete: wrote 20 buffers (0.1%); 0 WAL file(s) added, 0 removed, 0 r
ecycled; write=1.715 s, sync=0.002 s, total=1.727 s; sync files=10, longest=0.001 s, average=0.001 s; distance=49 kB, est
imate=49 kB; lsn=0/14F1538, redo lsn=0/14F14E0
```

DATA TEAM Questions?

