Brainstorming

new recipes

recipes

ingredients

food types

cooking appliances

utensils

nutritional info

users

username

password

grocery lists

occasions

**Table Ideas**

User

Id

Username

Password

Email

Submitted\_Recipes (id of recipe)

Recipe // connected to user

id

ingredients (fk of ingredients tables)

food type

appliances

utensils

Ingredients table. //connected to recipe, holds the ingredients user will need for recip

id

User table

Bakery (id of bakery)

Dairy (id of dairy)

Delicatessen (id of deli)

Frozen (id of frozen)

Produce (id of produce)

Groceries (id of groceries)

meat (id of meat)

Dairy //dairy products

Id

Product

amount

Delicatessen table // deli items

Id

Product

amount

Frozen food. //frozen sections

Id

Product

amount

Produce //fruits and veggies

Id

Product

amount

Groceries // other general groceries (cans, sauces etc.)

Id

Product

amount

Meat //meat

Id

Product

Amount

Bakery (id of bakery) // breads

**Relationships**

**Many to many**

Recipe-ingredients many to many

Ingredients – meat

**One to Many**

**One to one**

User -> recipe many to many

**SQL CODE**

CREATE TABLE bakery (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE groceries (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE dairy (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE deli (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE meat (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE frozen (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE produce (

id SERIAL PRIMARY KEY,

product VARCHAR(255) NOT NULL,

amount INT,

price INT

);

CREATE TABLE ingredients (

id SERIAL PRIMARY KEY,

bakery\_id INT REFERENCES bakery(id),

groceries\_id INT REFERENCES groceries(id),

dairy\_id INT REFERENCES dairy(id),

deli\_id INT REFERENCES deli(id),

frozen\_id INT REFERENCES frozen(id),

meat\_id INT REFERENCES meat(id),

produce\_id INT REFERENCES produce(id)

);

CREATE TABLE recipe (

id SERIAL PRIMARY KEY,

ingredients\_id INT REFERENCES ingredients(id)

);

CREATE TABLE users (

id SERIAL PRIMARY KEY,

recipe\_id INT REFERENCES recipe(id),

username VARCHAR(25) NOT NULL UNIQUE,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL

);

Diagram

Description automatically generated