Part 1

Holds the user's information
User:
User_id SERIAL PRIMARY KEY
Email VARCHAR
Password VARCHAR
User_name VARCHAR

Holds the user's ingredients
Ingredients:
ingredients_ id SERIAL PRIMARY KEY
User_id INTEGER NOT NULL REFERENCES
Pepper
Spinach
Lime

Shows what products are available in the store
Products:
Products_id SERIAL PRIMARY KEY
Ingredients_id INTEGER NOT NULL REFERENCES ingredients(ingredients_id)
Eggs
Chicken
Steak
Pork
Wings

Show's the recipes and attaches the ingredients with the recipes
Recipes:
Recipe_id SERIAL PRIMARY KEY
Ingredients_id INTEGER NOT NULL REFERENCES ingredients (ingredients_id)
Recipe_name VARCHAR(100)
Recipe_instructions TEXT

Can see other user's profiles and what recipes that they have chosen
friends:
friends_id SERIAL PRIMARY KEY
Recipe_id INTERGER NOT NULL REFERENCES Recipes(recipe_id)

User's Recommendations:
recommendations_id SERIAL PRIMARY KEY
friends_id INTERGER NOT NULL REFERENCES friends(friendsid)
Recipe_id INTERGER NOT NULL REFERENCES recipes(recipe_id)

Rating INTEGER

Part 2

Table's description

Users:
Holds the user's information. Chose this data so that we can hold the user's information

Ingredients:
Holds the user's ingredients. This data will allow users to see what ingredients is shown and what they can hold

Products:
Shows what products are available in the store. Data allows for users to see what products are available in the store

Recipes:
Show's the recipes and attaches the ingredients with the recipes. We chose this data so that users can sew what recipes will be best suited for the products

Friends:
Can see other user's profiles and what recipes that they have chosen

Recommendations:
Users can see what other users in the site recommends to try out for new recipes

https://app.dbdesigner.net/designer/schema/443081

Part 3

```
-- CREATE TABLE users (
-- users_id SERIAL PRIMARY KEY,
-- email VARCHAR(100),
-- password VARCHAR(100),
-- user_name VARCHAR(100)
-- );

-- CREATE TABLE ingredients (
-- ingredients_id SERIAL PRIMARY KEY,
```

```
-- user_id INTEGER NOT NULL REFERENCES users(users_id)
-- );

-- CREATE TABLE products(
-- products_id SERIAL PRIMARY KEY,
-- ingredients_id INTEGER NOT NULL REFERENCES ingredients(ingredients_id),
-- );

-- CREATE TABLE recipes (
-- recipe_id SERIAL PRIMARY KEY,
-- ingredients_id INTEGER NOT NULL REFERENCES ingredients(ingredients_id),
-- recipe_name VARCHAR(100),
-- recipe_instructions TEXT
-- );

-- CREATE TABLE friends(
-- friends_id SERIAL PRIMARY KEY,
-- recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id)
-- );

-- CREATE TABLE recommendations(
-- recommendations_id SERIAL PRIMARY KEY,
-- friends_id INTEGER NOT NULL REFERENCES friends(friends_id),
-- recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id)
-- );
```