

# Brainstorming

## Table Ideas

### User table

- User\_id
- User\_name
- User\_password
- user\_email
- Account\_created

### Recipe table

- Recipe\_id
- Recipe\_content
- Recipe\_image
- Grocery\_list\_item
- grocery\_list\_id
- author\_id

### Sharing table

- Sharing\_id
- Time\_of\_sharing
- Recipe\_id
- user\_id

### Items table

- item\_id
- name\_of\_item

### **Grocery\_List\_Item\_Table:**

- Item\_id
- Grocery\_list\_id
- Item\_name
- Item\_quantity
- Item\_price
- Recipe\_id
- User\_id

### **Relationships:**

One-to-one:

Item => Recipe  
One-to-many:

Recipe => Sharing  
Many-to-many:  
User => Recipe  
User => Sharing  
**User => Grocery**

# Columns

User table - needed to store users personal data

Recipe table - stores users recipes, image of dish, and items used

Sharing table - used to share recipes with other users

Grocery list - used to save items needed for a recipe

Items list - a list of all foods that can be chosen for the grocery list

```
CREATE TABLE users(  
  user_id SERIAL PRIMARY KEY,  
  user_name VARCHAR(50) NOT NULL,  
  user_password VARCHAR(500) NOT NULL,  
  user_email VARCHAR(100) NOT NULL,  
  account_created TIMESTAMP NOT NULL
```

```
);
```

```
CREATE TABLE items(  
  item_id SERIAL PRIMARY KEY,  
  item_name VARCHAR(50)
```

```
);
```

```
CREATE TABLE grocery(  
  item_id SERIAL PRIMARY KEY,  
  recipe_id SERIAL PRIMARY KEY,  
  item_name VARCHAR(50)
```

```
grocery_list_id SERIAL PRIMARY KEY,  
grocery_list_items INT NOT NULL REFERENCES items(item_id),  
item_quantity INT NOT NULL,  
author_id INT NOT NULL REFERENCES users(user_id)
```

```
);
```

```
CREATE TABLE recipes(  
  recipe_id SERIAL PRIMARY KEY,  
  recipe_content VARCHAR(2000) NOT NULL,  
  recipe_image TEXT NOT NULL,  
  grocery_list_items INT NOT NULL REFERENCES items(item_id),  
  grocery_list_id INT NOT NULL REFERENCES grocery(grocery_list_id),  
  author_id INT NOT NULL REFERENCES users(user_id)
```

```
);
```

```
CREATE TABLE sharing(  
  sharing_id SERIAL PRIMARY KEY,  
  time_of_sharing TIMESTAMP NOT NULL,  
  recipe_id INT NOT NULL REFERENCES recipes(recipe_id),  
  author_id INT NOT NULL REFERENCES users(user_id)
```

```
);
```