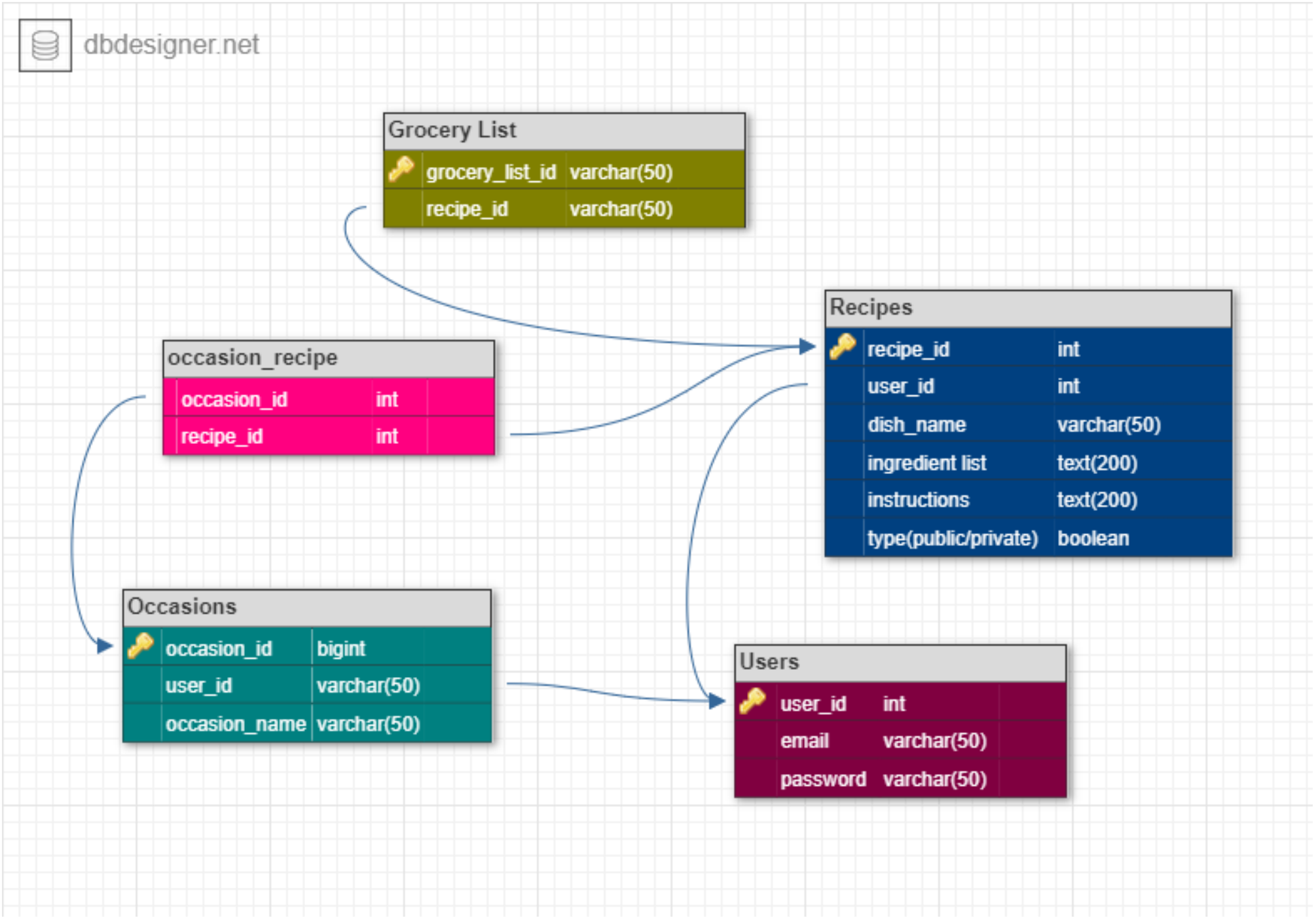
dbdesigner.net
Grocery List
grocery_list_id varchar(50)
recipe_id varchar(50)
Recipes
recipe_id int
user_id int
dish_name varchar(50)
ingredient list text(200)
instructions text(200)
type(public/private) boolean
occasion_recipe
occasion_id int
recipe_id int
Occasions
occasion_id bigint
user_id varchar(50)
occasion_name varchar(50)
Users
user_id int
email varchar(50)
password varchar(50)

- users can sign into the app with their email and password
- users can create recipes with ingredients and instructions
- recipes can be marked as public or private
- users can view other people's recipes
- ingredients from recipes can be added to user's grocery lists
- users can create their own occasions and assign recipes to occasions

Brainstorming:

- User ID
- Email
- Password
- Recipe dish
- Ingredients
- Directions
- Reviews
- Cuisines
- occasion

Table ideas:

User table:

- user id
- E-mail
- Password

Recipes:

- Recipe id
- user_id
- Dish name
- Ingredient list
- instructions
- Type (public or private)
- occasion_id

Ingredient list:

- Ingredient list_id
- User_id

Occasion:

- Occasion_id
- Ocasion name
- recipe
- user_id

Relationship:

- One to one
    - recipe/ingredient list: a recipe has a specific ingredient list, an ingredient list belongs to a specific recipe.
- One to many
    - User/recipe: One user may write many recipes, but each recipe is written by one user only.
    - user/ingredient: one user may add many ingredient lists, but one ingredient list comes from only one user.
    - user/occasion: one user may create many occasions, one occasion is created by only one user.
- Many to many
    - recipe/occasion: one recipe can be used on many occasions. One occasion can use many recipes.

```
CREATE TABLE users(
  user_id SERIAL PRIMARY KEY,
  email VARCHAR(50) NOT NULL,
  password VARCHAR(50) NOT NULL
);

CREATE TABLE recipes(
  recipe_id SERIAL PRIMARY KEY,
  user_id INTEGER NOT NULL REFERENCES users(user_id),
  dish_name VARCHAR(50),
  ingredient_list TEXT,
  instructions TEXT,
  type_public_private BOOLEAN
);

CREATE TABLE grocery_lists(
  grocery_list_id SERIAL PRIMARY KEY,
  recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id)
);

CREATE TABLE occasions(
  occasion_id SERIAL PRIMARY KEY,
  user_id INTEGER NOT NULL REFERENCES users(user_id),
  occasion_name VARCHAR(50)
);

CREATE TABLE occasions_recipes(
  occasion_id INTEGER NOT NULL REFERENCES occasions(occasion_id),
```

```
  recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id)
);
```