

Features:

- Users can sign into the app with their email and password
- Users can follow each other
- Users can create posts with photos/and or text
- Users can join groups
- Users can create posts within groups

Brainstorming/Data:

1.

Email Address

Password

First Name

Last Name

User id

3.

Post id

Post photo

Post Text

User ID for Post

4.

Comment Id

Post Id

User Id (commenter)

User Id (poster)

Body

5.

Group Id

Group name

Group members

Group posts

Organize to tables:

Users Table:

- User id SERIAL PRIMARY KEY
- Email Address VARCHAR
- Password VARCHAR
- First Name VARCHAR
- Last Name VARCHAR

Post Table:

- Post Id SERIAL PRIMARY KEY
- Post Photo Link TEXT
- Post Text: VARCHAR(1000)
- User_id Foreign Key

Comment Table:

- Comment ID SERIAL PRIMARY KEY
- Post ID
- User Id (post)
- User Id (commentator)
- Body: text

Group table:

- Group ID
- Group Name

Group Members Table:

- Group member Id
- User Id Foreign key From Users Table

Group Post Table:

- Group post id
- Group id

```
CREATE TABLE "public.User" (  
  "user_id" serial NOT NULL,  
  "username" varchar NOT NULL UNIQUE,  
  "password" varchar NOT NULL,  
  "email" varchar NOT NULL UNIQUE,  
  CONSTRAINT "User_pk" PRIMARY KEY ("user_id")  
) WITH (
```

```
    OIDS=FALSE
);

CREATE TABLE "public.Recipe" (
    "recipe_id" serial NOT NULL,
    "ingredients_id" integer NOT NULL,
    "instructions" TEXT NOT NULL,
    "isPrivate" BOOLEAN NOT NULL,
    "user_id" integer,
    CONSTRAINT "Recipe_pk" PRIMARY KEY ("recipe_id")
) WITH (
    OIDS=FALSE
);

CREATE TABLE "public.Ingredients" (
    "ingredients_id" serial NOT NULL,
    "ingredient_name" TEXT NOT NULL,
    CONSTRAINT "Ingredients_pk" PRIMARY KEY ("ingredients_id")
) WITH (
    OIDS=FALSE
);

CREATE TABLE "public.Occasions" (
    "occasion_id" serial NOT NULL,
    "user_id" integer NOT NULL,
    "recipe_id" integer NOT NULL,
    CONSTRAINT "Occasions_pk" PRIMARY KEY ("occasion_id")
) WITH (
    OIDS=FALSE
);

CREATE TABLE "public.Grocery" (
    "groceryList_id" serial NOT NULL,
    "user_id" integer NOT NULL,
```

```
    "ingredients_id" integer NOT NULL,  
    CONSTRAINT "Grocery_pk" PRIMARY KEY ("groceryList_id")  
) WITH (  
    OIDS=FALSE  
) ;  
  
ALTER TABLE "Recipe" ADD CONSTRAINT "Recipe_fk0" FOREIGN KEY ("ingredients_id")  
REFERENCES "Ingredients"("ingredients_id");  
ALTER TABLE "Recipe" ADD CONSTRAINT "Recipe_fk1" FOREIGN KEY ("user_id") REFERENCES  
"User"("user_id");  
  
ALTER TABLE "Occasions" ADD CONSTRAINT "Occasions_fk0" FOREIGN KEY ("user_id")  
REFERENCES "User"("user_id");  
ALTER TABLE "Occasions" ADD CONSTRAINT "Occasions_fk1" FOREIGN KEY ("recipe_id")  
REFERENCES "Recipe"("recipe_id");  
  
ALTER TABLE "Grocery" ADD CONSTRAINT "Grocery_fk0" FOREIGN KEY ("user_id") REFERENCES  
"User"("user_id");  
ALTER TABLE "Grocery" ADD CONSTRAINT "Grocery_fk1" FOREIGN KEY ("ingredients_id")  
REFERENCES "Ingredients"("ingredients_id");
```