

Jessica Farr

SWDV691

I will be using PostgreSQL for my database for this application. I chose PostgreSQL because it's functionality with relational databases. I have a few tables that will be communicating with each other, and another that will hopefully be dynamic, so I think this is the best option for that. I will be starting with tables for Customers, Users, Countertop Information, and Measure Information.

Clients

This table will include the pertinent customer information needed for measure and identifying.

```
-- Table: public.Clients

-- DROP TABLE IF EXISTS public."Clients";

CREATE TABLE IF NOT EXISTS public."Clients"
(
    "Client ID" integer NOT NULL,
    "Client Company Name" character varying(255) COLLATE pg_catalog."default" NOT NULL,
    "Street Address" character varying(255) COLLATE pg_catalog."default" NOT NULL,
    "City" character varying COLLATE pg_catalog."default" NOT NULL,
    "State" character varying(20) COLLATE pg_catalog."default" NOT NULL,
    "Zip" character varying COLLATE pg_catalog."default" NOT NULL,
    "Phone" character varying(15) COLLATE pg_catalog."default" NOT NULL,
    "Type" character(3) COLLATE pg_catalog."default" NOT NULL,
    CONSTRAINT "Customers_pkey" PRIMARY KEY ("Client ID")
)

TABLESPACE pg_default;

ALTER TABLE IF EXISTS public."Clients"
    OWNER to postgres;
```

Users

This table will include the relevant information for the people that will be using the application in any capacity. It will include the project management team and the services team.

```
-- Table: public.Users
```

```
-- DROP TABLE IF EXISTS public."Users";
```

```
CREATE TABLE IF NOT EXISTS public."Users"
```

```
(
```

```
  "First Name" character varying(20) COLLATE pg_catalog."default" NOT NULL,
```

```
  "Last Name" character varying(20) COLLATE pg_catalog."default" NOT NULL,
```

```
  "Email" character varying(50) COLLATE pg_catalog."default" NOT NULL,
```

```
  CONSTRAINT "Users_pkey" PRIMARY KEY ("Email")
```

```
)
```

```
TABLESPACE pg_default;
```

```
ALTER TABLE IF EXISTS public."Users"
```

```
  OWNER to postgres;
```

Countertop Information

This table will just be a chart of the different types of information that is needing recorded for every countertop.

```
-- Table: public.Countertops
```

```
-- DROP TABLE IF EXISTS public."Countertops";
```

```
CREATE TABLE IF NOT EXISTS public."Countertops"
```

```
(
```

```
  "Type" character varying(10) COLLATE pg_catalog."default" NOT NULL,
```

```
  "Sink Cutout" character(1) COLLATE pg_catalog."default" NOT NULL,
```

```

"Centerline" integer,
"Right End" character(1) COLLATE pg_catalog."default" NOT NULL,
"Left End" character(1) COLLATE pg_catalog."default" NOT NULL,
"Backslash?" character(1) COLLATE pg_catalog."default" NOT NULL
)

```

```

TABLESPACE pg_default;

```

```

ALTER TABLE IF EXISTS public."Countertops"
OWNER to postgres;

```

Measure Information

This final table will be the dynamic table that will be added to while the application is in progress. It will include the information pulled from Countertop Information and apply it to a job site and unit.

```

-- Table: public.Measure Information

```

```

-- DROP TABLE IF EXISTS public."Measure Information";

```

```

CREATE TABLE IF NOT EXISTS public."Measure Information"
(
    "Room" character varying COLLATE pg_catalog."default" NOT NULL,
    "Type" character varying COLLATE pg_catalog."default" NOT NULL,
    "Length" integer NOT NULL,
    "Sink" "char" NOT NULL,
    "Centerline" integer,
    "Right End" "char" NOT NULL,
    "Left End" "char" NOT NULL,
    "Job ID" integer NOT NULL,
    "Backslash" character varying COLLATE pg_catalog."default" NOT NULL
)

```

```
TABLESPACE pg_default;
```

```
ALTER TABLE IF EXISTS public."Measure Information"  
OWNER to postgres;
```

Job Information

This table will contain all the pertinent information about the job being measured and link back to the specific client.

```
-- Table: public.Job Information
```

```
-- DROP TABLE IF EXISTS public."Job Information";
```

```
CREATE TABLE IF NOT EXISTS public."Job Information"  
(  
    "Job ID" integer NOT NULL,  
    "Address" character varying COLLATE pg_catalog."default" NOT NULL,  
    "City" character varying COLLATE pg_catalog."default" NOT NULL,  
    "State" character varying COLLATE pg_catalog."default" NOT NULL,  
    "Client PM Phone" integer NOT NULL,  
    "Units" integer NOT NULL,  
    "Tops" integer NOT NULL,  
    "Client PM" character varying COLLATE pg_catalog."default" NOT NULL,  
    "LES PM" character varying COLLATE pg_catalog."default" NOT NULL,  
    "Site Contact" character varying(255) COLLATE pg_catalog."default",  
    "Site Contact Phone" integer,  
    "LES PM Phone" integer NOT NULL,  
    "Client ID" integer NOT NULL,  
    CONSTRAINT "Job Information_pkey" PRIMARY KEY ("Job ID")  
)
```

```
TABLESPACE pg_default;
```

```
ALTER TABLE IF EXISTS public."Job Information"  
OWNER to postgres;
```