

Docker

```
services:
  db:
    image: postgres:latest
    container_name: postgres-db
    environment:
      POSTGRES_USER: myuser
      POSTGRES_PASSWORD: mypassword
      POSTGRES_DB: blogdb
    volumes:
      - postgres_data:/var/lib/postgresql/data
    ports:
      - "5455:5432" # Expose PostgreSQL on port 5455 of the host
machine
  restart: always

volumes:
  postgres_data:
    driver: local
```

DB TABLES

```
-- Creating the 'user' table
CREATE TABLE "user" (
  id SERIAL PRIMARY KEY,
  name VARCHAR(255) NOT NULL,
  email VARCHAR(255) UNIQUE NOT NULL,
  image_link TEXT,
  created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,
  updated_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP
);

-- Creating the 'topic' table
CREATE TABLE topic (
  id SERIAL PRIMARY KEY,
  name VARCHAR(255) NOT NULL
);
```

-- Creating the 'blog' table

```
CREATE TABLE blog (  
    id SERIAL PRIMARY KEY,  
    title VARCHAR(255) NOT NULL,  
    content TEXT NOT NULL,  
    author_id INT REFERENCES "user" (id) ON DELETE SET NULL,  
    topic_id INT REFERENCES topic (id) ON DELETE RESTRICT,  
    created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,  
    updated_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP  
);
```

-- Creating the 'user_blog_likes' table

```
CREATE TABLE user_blog_likes (  
    id SERIAL PRIMARY KEY,  
    user_id INT REFERENCES "user" (id) ON DELETE CASCADE,  
    blog_id INT REFERENCES blog (id) ON DELETE CASCADE,  
    UNIQUE(user_id, blog_id)  
);
```