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## **Models**

## Comment.php

```
app > 🦬 Comment.php
     <?php
     namespace App;
     use Illuminate\Database\Eloquent\Model;
     class Comment extends Model
     {
         public function user()
              return $this->belongsTo("App\User");
11
12
13
14
         public function post()
15
              return $this->belongsTo("App\Post");
17
          }
19
```

## Notepad.php

## Post.php

```
app > 🦬 Post.php
     <?php
     namespace App;
     use Illuminate\Database\Eloquent\Model;
     class Post extends Model
         public function user()
             return $this->belongsTo("App\User");
11
12
         public function tags()
13
14
15
             return $this->belongsToMany("App\Tag");
         public function comments()
17
             return $this->hasMany("App\Comment");
19
21
```

# Tag.php

### **User.php**

```
W User.php app/User.php
 use Illuminate\Contracts\Auth\MustVerifyEmail;
 use Illuminate\Foundation\Auth\User as Authenticatable;
 use Illuminate\Notifications\Notifiable;
 class User extends Authenticatable
     public function posts()
         return $this->hasMany("App\Post");
     public function notepad()
         return $this->hasOne("App\Notepad");
     public function comments()
     return $this->hasMany("App\Comment");
     protected $fillable = [
     protected $hidden = [
      * The attributes that should be cast to native types.
     protected $casts = [
        'email verified at' => 'datetime',
```

# **Migrations**

(in order of creation and omitting password\_rests and failed\_jobs table)

#### 2014\_10\_12\_000000\_create\_users\_table.php

```
database > migrations > # 2014_10_12_000000_create_users_table.php
     <?php
     use Illuminate\Database\Migrations\Migration;
     use Illuminate\Database\Schema\Blueprint;
     use Illuminate\Support\Facades\Schema;
     class CreateUsersTable extends Migration
          * Run the migrations.
11
12
          * @return void
13
          public function up()
14
15
              Schema::create('users', function (Blueprint $table) {
                  $table->bigIncrements('id');
17
                  $table->string('name');
                  $table->string('email')->unique();
                  $table->timestamp('email verified at')->nullable();
                  $table->string('password');
21
                  $table->rememberToken();
22
                  $table->timestamps();
23
24
              });
25
27
29
          * @return void
31
          public function down()
32
33
34
              Schema::dropIfExists('users');
     }
```

### 2019\_11\_04\_192208\_create\_tags\_table.php

```
database > migrations > * 2019_11_04_192208_create_tags_table.php
     <?php
     use Illuminate\Database\Migrations\Migration;
     use Illuminate\Database\Schema\Blueprint;
     use Illuminate\Support\Facades\Schema;
     class CreateTagsTable extends Migration
          * Run the migrations.
11
12
          * @return void
13
         public function up()
15
             Schema::create('tags', function (Blueprint $table) {
                  $table->bigIncrements('id');
17
                  $table->string("tag")->unique();
                 $table->timestamps();
19
              });
21
22
23
          * Reverse the migrations.
24
25
          * @return void
27
         public function down()
29
              Schema::dropIfExists('tags');
32
```

### 2019\_11\_04\_192214\_create\_posts\_table.php

#### 2019\_11\_04\_192220\_create\_comments\_table.php

### 2019\_11\_04\_192226\_create\_notepads\_table.php

## 2019\_11\_04\_192939\_create\_post\_tags.php

## **Factories**

## CommentFactory.php

### NotepadFactory.php

#### PostFactory.php

## TagFactory.php

## UserFactory.php

## **Seeders**

## DatabaseSeeder.php

```
database > seeds > 🤲 DatabaseSeeder.php
     <?php
     use Illuminate\Database\Seeder;
     class DatabaseSeeder extends Seeder
         * Seed the application's database.
          * @return void
11
         public function run()
12
13
             //Tags are required before posts
15
             $this->call(TagsTableSeeder::class);
             //Users are required before posts, comments and notepads
             $this->call(UsersTableSeeder::class);
             //Posts are required before comments
             $this->call(PostsTableSeeder::class);
             $this->call(CommentsTableSeeder::class);
             $this->call(NotepadsTableSeeder::class);
21
22
```

## CommentsTableSeeder.php

## NotepadsTableSeeder.php

```
database > seeds > * NotepadsTableSeeder.php
    <?php
     use Illuminate\Database\Seeder;
     class NotepadsTableSeeder extends Seeder
     {
         * Run the database seeds.
11
12
         public function run()
13
             $users = App\User::get();
             //Each user will have one notepad
             foreach($users as $user)
                 $notepad = factory(App\Notepad::class)->make();
                 $user->notepad()->save($notepad);
19
21
```

#### PostsTableSeeder.php

```
database > seeds > M PostsTableSeeder.php
    <?php
    use Illuminate\Database\Seeder;
     class PostsTableSeeder extends Seeder
     {
         * Run the database seeds.
          * @return void
11
12
         public function run()
13
15
             factory(App\Post::class,100)->make()->each(function ($post)
                 //For each post give it a creator (a user)
17
                 $user = App\User::inRandomOrder()->first();
                 $user->posts()->save($post);
                 //Add tags to this post
                 $numberOfTags = rand(1,10); //Between 1 and 10 tags
22
                 $tags = App\Tag::get()->take($numberOfTags);
                 $post->tags()->saveMany($tags);
24
             });
27
29
```

## TagsTableSeeder.php

```
database > seeds > 😭 TagsTableSeeder.php
     use Illuminate\Database\Seeder;
     class TagsTableSeeder extends Seeder
          public function run()
              $tags = factory(App\Tag::class,50)->make();
              foreach($tags as $tag){
                  $saved = false;
                  while (!$saved)
                          $tag->save();
                          $saved = true;
                      catch (\Illuminate\Database\QueryException $e) {
                          $tag = factory(App\Tag::class)->make();
```

# UsersTableSeeder.php