

64. Usando e insertando relaciones polimórficas en el Seeder de Laravel

Relaciones polimórficas

Imageable (Product ↔ *Image* ↔ User)

Productable (Cart ↔ *Product* ↔ Order)

Pasos a seguir

En DatabaseSeeder:

```
<?php
namespace Database\Seeders;

// Importantes los imports (jajaj)
use App\Models\Product, App\Models\User, App\Models\Order, App\Models\Payment,
App\Models\Image, App\Models\Cart;
use Illuminate\Database\Seeder;

class DatabaseSeeder extends Seeder
{
    /**
     * Seed the application's database.
     *
     * @return void
     */
    public function run()
    {
        $users = User::factory(20)
            >create()
            // Función anónima que recibe como parámetro a cada User
            >each(function ($user) {
                // Creamos y asignamos una imagen para cada User
                $image = Image::factory()>user()>make();
                $user->image()>save($image);
            });

        $orders = Order::factory(10)
            >make()
            >each(function($order) use ($users) {
                $order->customer_id = $users->random()>id;
                $order->save();

                $payment = Payment::factory()>make();

                // $payment->order_id = $order_id;
                // $payment->save();

                $order->payment()>save($payment);
            });

        $carts = Cart::factory(20)>create();

        $products = Product::factory(50)
            >create()
```

```

        =>each(function ($product) use ($orders, $carts) {
            $order = $orders->random();
            $order->products()->attach([
                $product->id => ['quantity' => mt_rand(1,3)]
            ]);

            $cart = $carts->random();

            $cart->products()->attach([
                $product->id => ['quantity' => mt_rand(1,3)]
            ]);

            $images = Image::factory(mt_rand(2,4))->make();
            $product->images()->saveMany($images);
        });
    }
}

```

⚠ Recordemos importar las definiciones de los modelos, gente.

En cmd:

```
php artisan migrate:fresh --seed
```

En Tinker:

Todas las instancias de **Image** (hay 164):

```

Psy Shell v0.11.8 (PHP 8.0.9 - cli) by Justin Hileman
>>> App\Models\Image::all()
=> Illuminate\Database\Eloquent\Collection {#4721
  all: [
    App\Models\Image {#4722
      id: "1",
      path: "img/users/1.jpg",
      created_at: "2022-11-12 15:39:11",
      updated_at: "2022-11-12 15:39:11",
      imageable_type: "App\Models\User",
      imageable_id: "1",
    },
    App\Models\Image {#4723
      id: "2",
      path: "img/users/2.jpg",
      created_at: "2022-11-12 15:39:11",
      updated_at: "2022-11-12 15:39:11",
      imageable_type: "App\Models\User",
      imageable_id: "2",
    },
    App\Models\Image {#4724
      id: "3",
      path: "img/users/2.jpg",
      created_at: "2022-11-12 15:39:11",
      updated_at: "2022-11-12 15:39:11",
      imageable_type: "App\Models\User",
      imageable_id: "3",
    },
    ...
  ]
}

```

Todas las instancias de **Cart** (hay 20):

```
>>> App\Models\Cart::all()
⇒ Illuminate\Database\Eloquent\Collection {#4581
  all: [
    App\Models\Cart {#4582
      id: "1",
      created_at: "2022-11-12 15:39:12",
      updated_at: "2022-11-12 15:39:12",
    },
    App\Models\Cart {#4583
      id: "2",
      created_at: "2022-11-12 15:39:12",
      updated_at: "2022-11-12 15:39:12",
    },
  ],
  ...
}
```

Obtención del primer **Product** y acceso a sus **Orders**, **Carts** e **Images**:

```
>>> $product = App\Models\Product::first()
⇒ App\Models\Product {#4869
  id: "1",
  title: "Modi porro et quae.",
  description: "Alias porro quia ducimus et molestiae et. Ut omnis distinctio eum quibusdam ad quia et dolore.",
  price: "71.65",
  stock: "2",
  status: "unavailable",
  created_at: "2022-11-12 15:39:12",
  updated_at: "2022-11-12 15:39:12",
}

>>> $product->orders
⇒ Illuminate\Database\Eloquent\Collection {#4590
  all: [
    App\Models\Order {#4592
      id: "6",
      status: "paid",
      customer_id: "6",
      created_at: "2022-11-12 15:39:11",
      updated_at: "2022-11-12 15:39:11",
      pivot: Illuminate\Database\Eloquent\Relations\MorphPivot {#4588
        product_id: "1",
        productable_id: "6",
        productable_type: "App\Models\Order",
        quantity: "3",
      },
    },
  ],
}

>>> $product->carts
⇒ Illuminate\Database\Eloquent\Collection {#4584
  all: [
    App\Models\Cart {#4595
      id: "2",
      created_at: "2022-11-12 15:39:12",
      updated_at: "2022-11-12 15:39:12",
      pivot: Illuminate\Database\Eloquent\Relations\MorphPivot {#4582
        product_id: "1",
        productable_id: "2",
        productable_type: "App\Models\Cart",
        quantity: "3",
      },
    },
  ],
}
```

```
    },  
  },  
],  
}
```

```
>>> $product->images
```

```
⇒ Illuminate\Database\Eloquent\Collection {#4585
```

```
  all: [
```

```
    App\Models\Image {#4583
```

```
      id: "21",  
      path: "img/products/2.jpg",  
      created_at: "2022-11-12 15:39:12",  
      updated_at: "2022-11-12 15:39:12",  
      imageable_type: "App\Models\Product",  
      imageable_id: "1",  
    },
```

```
    App\Models\Image {#4861
```

```
      id: "22",  
      path: "img/products/5.jpg",  
      created_at: "2022-11-12 15:39:12",  
      updated_at: "2022-11-12 15:39:12",  
      imageable_type: "App\Models\Product",  
      imageable_id: "1",  
    },
```

```
    App\Models\Image {#4558
```

```
      id: "23",  
      path: "img/products/10.jpg",  
      created_at: "2022-11-12 15:39:12",  
      updated_at: "2022-11-12 15:39:12",  
      imageable_type: "App\Models\Product",  
      imageable_id: "1",  
    },
```

```
    App\Models\Image {#4868
```

```
      id: "24",  
      path: "img/products/10.jpg",  
      created_at: "2022-11-12 15:39:12",  
      updated_at: "2022-11-12 15:39:12",  
      imageable_type: "App\Models\Product",  
      imageable_id: "1",  
    },
```

```
  ],  
}
```