Repositories

Now that we've learned about data, we can move on to the database. Where to put your queries? How to structure your code? We've all asked these questions, and here's the answer: no one knows precisely. It's different for every project and every team.

One way to organize your queries is by using repositories. It's a controversial topic in the Laravel and PHP community. I won't be using them in the demo application, but it's a DDD concept and, to be honest, not a bad one. At the end of this chapter, I'll show you the Laravel equivalent of the repository pattern.

This is a repository class:

```php
class ProductRepository
{
  public function create(ProductData $data): Product
  {
    Product::create($data->all());
    // Other database related code
  }

  public function search(
    PriceRange $priceRange,
    string $searchTerm
  ): Collection {
    return Product::query()
      ->whereBetween('price', [
        $priceRange->low,
        $priceRange->high
      ])
      ->where('name', 'like', "%{$searchTerm}%")
      ->limit(10)
```