



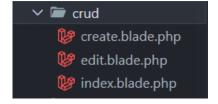
## 2: CRUD Operations Using Eloquent in Laravel with One-to-One Relationship with SoftDelete

IIn this task, you will implement CRUD operations (Create, Read, Update, Delete) using Eloquent ORM in Laravel. This tutorial focuses on a One-to-One relationship between the *User and Phone models*.

- composer create-project --prefer-dist laravel/laravel crud-laravel
- Create Database DB\_DATABASE=one
- To implement the One-to-One relationship, you will need a User model and a Phone model.

  php artisan make: model User mcr

  php artisan make: model Phone m
- Define Database Schema & Define Relationships in Models
- Define Routes for CRUD Operations
  Route::resource('one', CrudController::class);
- Create View for CRUD Operations





- Use **hasOne()** in the User model and **belongsTo()** in the Phone model to define the One-to-One relationship.
- Always use the with() method to eager load relationships (like phone data) to avoid N+1 gueries.
- Remember to define the foreign key (user\_id) in the phones table and set the relationship correctly.
- Use \$fillable or \$guarded properties in your models to protect against mass-assignment
- Don't forget to use SoftDelete in Model
- Use findOrFail() for Safe Fetching

Coach Amro

