CSC348: Coursework 1

Models

Pokemon.php:

Trainer.php:

Factories

PokemonFactory.php:

TrainerFactory.php:

Migrations

2024_10_24_124615_create_trainers_table.php:

```
database > migrations > * 2024_10_24_124615_create_trainers_table.php
      <?php
     use Illuminate\Database\Migrations\Migration;
     use Illuminate\Database\Schema\Blueprint;
      use Illuminate\Support\Facades\Schema;
      return new class extends Migration
           * Run the migrations.
 11
           public function up()
               Schema::create('trainers', function (Blueprint $table) {
 14 🗸
                   $table->id();
                   $table->string('name');
                   $table->timestamps();
               });
            * Reverse the migrations.
           public function down(): void
               Schema::dropIfExists('trainers');
       };
```

2024_10_25_151712_create_pokemon_table.php:

```
database > migrations >  2024_10_25_151712_create_pokemon_table.php
      <?php
      use Illuminate\Database\Migrations\Migration;
      use Illuminate\Database\Schema\Blueprint;
      use Illuminate\Support\Facades\Schema;
      return new class extends Migration
           * Run the migrations.
           public function up()
               Schema::create('pokemon', function (Blueprint $table) {
                   $table->id();
                   $table->string('name');
                   $table->integer('HP');
                   $table->string('type');
                   $table->bigInteger('trainer_id')->unsigned();
                   $table->timestamps();
                   $table->foreign('trainer_id')->references('id')->on('trainers')
 23
                       ->onDelete('cascade')->onUpdate('cascade');
               });
```

```
/**
/**

Reverse the migrations.

public function down(): void

f

Schema::dropIfExists('pokemon');

}

}

}
```

Seeders

DatabaseSeeder.php:

```
database > seeders > 🦬 DatabaseSeeder.php
      You, 10 hours ago | 1 author (You)
      <?php
     namespace Database\Seeders;
    use App\Models\User;
      // use Illuminate\Database\Console\Seeds\WithoutModelEvents;
      use Illuminate\Database\Seeder;
      class DatabaseSeeder extends Seeder
 10 \( \{ \)
 11 🗸
 12
           * Seed the application's database.
           public function run()
               $this->call(TrainerTableSeeder::class);
 17
               $this->call(PokemonTableSeeder::class);
```

PokemonTableSeeder.php:

```
database > seeders > 🕶 PokemonTableSeeder.php
       You, 10 hours ago | 1 author (You)
       <?php
       namespace Database\Seeders;
      use Illuminate\Database\Console\Seeds\WithoutModelEvents;
      use Illuminate\Database\Seeder;
       use App\Models\Pokemon;
       class PokemonTableSeeder extends Seeder
 12
           * Run the database seeds.
 13
           public function run()
               $p1 = new Pokemon;
               $p1->name = "Brian";
               p1->HP = 40;
               $p1->type = 'water';
               $p1->trainer_id = 1;
 21
               $p1->save();
               Pokemon::factory()->count(100)->create();
```

TrainerTableSeeder.php:

```
database > seeders > * TrainerTableSeeder.php
       You, 12 minutes ago | 1 author (You)
       <?php
       namespace Database\Seeders;
      use Illuminate\Database\Console\Seeds\WithoutModelEvents;
      use Illuminate\Database\Seeder;
       use App\Models\Trainer;
  9
       class TrainerTableSeeder extends Seeder
 11
 12
 14 1
           public function run()
 16
               $t = new Trainer;
               $t->name = 'Ash';
               $t->save();
               Trainer::factory()->count(5)->create();
```

.env

```
DB_CONNECTION=mysql
DB_HOST=mysql
DB_PORT=3306
DB_DATABASE=laravel
DB_USERNAME=sail
DB_PASSWORD=password
```