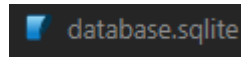


## Creamos el proyecto de laravel

```
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel> composer create-project laravel/laravel colegio
Creating a "laravel/laravel" project at "./colegio"
Installing laravel/laravel (v8.5.17)
- Downloading laravel/laravel (v8.5.17)
- Installing laravel/laravel (v8.5.17): Extracting archive
Created project in C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 104 installs, 0 updates, 0 removals
Locking composer.json (v8.5.17)
```

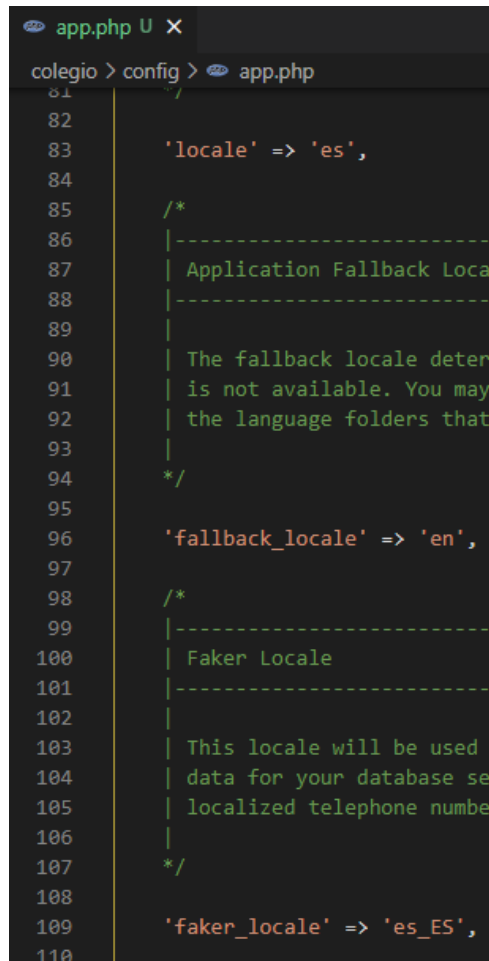
Creo un archivo database.sqlite para utilizarlo como database



Creo la conexión

```
DB_CONNECTION=sqlite
DB_FOREIGN_KEYS=true
```

Cambio el idioma a español



```
81 //
82
83 'locale' => 'es',
84
85 /*
86 |-----
87 | Application Fallback Loca
88 |-----
89 |
90 | The fallback locale deter
91 | is not available. You may
92 | the language folders that
93 |
94 */
95
96 'fallback_locale' => 'en',
97
98 /*
99 |-----
100 | Faker Locale
101 |-----
102 |
103 | This locale will be used
104 | data for your database se
105 | localized telephone numbe
106 |
107 */
108
109 'faker_locale' => 'es_ES',
110
```

Creo el modelo Profesor

```
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio> php artisan make:Model Profesor --mfc
Model created successfully.
Factory created successfully.
Created Migration: 2021_05_18_072440_create_profesors_table
Controller created successfully.
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio>
```

Creo la migración de Profesor

```
public function up()
{
    Schema::create('profesors', function (Blueprint $table) {
        <?php
        Blueprint $table nombre');
        $table->string('apellidos');
        $table->string('email')->unique();
        $table->string('localidad');
        $table->timestamps();
    });
}
```

Creo el modelo profesor, también creo una función de 1 a muchos con asignaturas, y extraigo en un array los profesores con su ID y su Nombre

```
class Profesor extends Model
{
    use HasFactory;
    protected $fillable=['nombre', 'apellidos', 'email', 'localidad'];

    public function profesores(){
        return $this->hasMany(Asignatura::class);
    }

    public static function getArrayIdNombre(){
        $profesores=Profesor::orderBy('nombre')->get();
        $miArray=[];
        foreach($profesores as $item){
            $miArray[$item->id]=$item->nombre." ".$item->apellidos;
        }
        return $miArray;
    }
}
```

Creo el factory de Profesor

```
public function definition()
{
    return [
        'nombre'=>$this->faker->firstName(),
        'apellidos'=>$this->faker->lastName()." ".$this->faker->lastName(),
        'email'=>$this->faker->unique()->freeEmail(),
        'localidad'=>$this->faker->city()
    ];
}
```

Y el seeder de Profesor

```
public function run()
{
    // \App\Models\User::factory(10)->create();
    \App\Models\Profesor::factory(10)->create();
}
```

Y creamos los datos

```
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicalaravel\colegio> php artisan migrate:fresh --seed
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (175.89ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (165.68ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (149.52ms)
Migrating: 2021_05_18_072440_create_profesores_table
Migrated: 2021_05_18_072440_create_profesores_table (174.05ms)
Database seeding completed successfully.
```

Introduzco la ruta Profesor

```
<?php

use Illuminate\Support\Facades\Route;
use App\Http\Controllers\ProfesorController;

/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great.
|
*/

Route::get('/', function () {
    return view('welcome');
});

Route::resource('profesores', ProfesorController::class);
```

Y compruebo las funciones introducidas

```
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicalaravel\colegio> php artisan route:list
```

Domain	Method	URI	Name	Action	Middleware
	GET HEAD	/		Closure	web
	GET HEAD	api/user		Closure	api
	GET HEAD	profesores	profesores.index	App\Http\Controllers\ProfesorController@index	web
	POST	profesores	profesores.store	App\Http\Controllers\ProfesorController@store	web
	GET HEAD	profesores/create	profesores.create	App\Http\Controllers\ProfesorController@create	web
	GET HEAD	profesores/{profesore}	profesores.show	App\Http\Controllers\ProfesorController@show	web
	PUT PATCH	profesores/{profesore}	profesores.update	App\Http\Controllers\ProfesorController@update	web
	DELETE	profesores/{profesore}	profesores.destroy	App\Http\Controllers\ProfesorController@destroy	web
	GET HEAD	profesores/{profesore}/edit	profesores.edit	App\Http\Controllers\ProfesorController@edit	web

Creo el modelo Asignatura

```
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio> php artisan make:Model Asignatura --mfcn
Model created successfully.
Factory created successfully.
Created Migration: 2021_05_18_074041_create_asignaturas_table
Controller created successfully.
```

Creo la migración

```
public function up()
{
    Schema::create('asignaturas', function (Blueprint $table) {
        $table->id();
        $table->string('nombre')->unique();
        $table->string('descripcion');
        $table->string('creditos');
        $table->foreignId('id_profesor');
        $table->foreign('id_profesor')
            ->references('id')->on('profesors')
            ->onDelete('cascade')->onUpdate('cascade');
        $table->timestamps();
    });
}
```

Creo el modelo y que Asignatura viene de Profesor

```
class Asignatura extends Model
{
    use HasFactory;
    protected $fillable=['nombre', 'descripcion', 'creditos', 'id_profesor'];

    public function profesor(){
        return $this->belongsTo(Profesor::class);
    }
}
```

Creo el factory de Profesor

```

use App\Models\Profesor;

class AsignaturaFactory extends Factory
{
    /**
     * The name of the factory's corresponding model.
     *
     * @var string
     */
    protected $model = Asignatura::class;

    /**
     * Define the model's default state.
     *
     * @return array
     */
    public function definition()
    {
        $profesores=Profesor::all('id');
        return [
            'nombre'=>$this->faker->unique()->firstName(),
            'descripcion'=>$this->faker->text($maxNbChars = 200),
            'creditos'=>$this->faker->randomDigit(),
            'id_profesor'=>$profesores->get(rand(0, count($profesores)-1))
        ];
    }
}

```

Creo el seeder de Asignatura

```

public function run()
{
    // \App\Models\User::factory(10)->create();
    \App\Models\Profesor::factory(10)->create();
    \App\Models\Asignatura::factory(20)->create();
}

```

Y creo lo datos

```

PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio> php artisan migrate:fresh --seed
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (187.78ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (214.85ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (264.52ms)
Migrating: 2021_05_18_072440_create_profesors_table
Migrated: 2021_05_18_072440_create_profesors_table (248.61ms)
Migrating: 2021_05_18_074041_create_asignaturas_table
Migrated: 2021_05_18_074041_create_asignaturas_table (198.88ms)
Database seeding completed successfully.
PS C:\Users\Usuario\Documents\GitHub\laravel1\practicaLaravel\colegio>

```

Introduzco la nueva ruta

```

use App\Http\Controllers\{ProfesorController, AsignaturaController};

/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. The
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::get('/', function () {
    return view('welcome');
});

Route::resource('profesores', ProfesorController::class);
Route::resource('asignaturas', AsignaturaController::class);

```

Y compruebo las funciones

PS C:\Users\Usuario\Documents\GitHub\laravel\practicaLaravel\colegio> php artisan route:list

Domain	Method	URI	Name	Action	Middleware
	GET HEAD	/		Closure	web
	GET HEAD	api/user		Closure	api
		asignaturas	asignaturas.index	App\Http\Controllers\AsignaturaController@index	auth:api
	POST	asignaturas	asignaturas.store	App\Http\Controllers\AsignaturaController@store	web
	GET HEAD	asignaturas/create	asignaturas.create	App\Http\Controllers\AsignaturaController@create	web
	GET HEAD	asignaturas/{asignatura}	asignaturas.show	App\Http\Controllers\AsignaturaController@show	web
	PUT PATCH	asignaturas/{asignatura}	asignaturas.update	App\Http\Controllers\AsignaturaController@update	web
	DELETE	asignaturas/{asignatura}	asignaturas.destroy	App\Http\Controllers\AsignaturaController@destroy	web
	GET HEAD	asignaturas/{asignatura}/edit	asignaturas.edit	App\Http\Controllers\AsignaturaController@edit	web
	GET HEAD	profesores	profesores.index	App\Http\Controllers\ProfesorController@index	web
	POST	profesores	profesores.store	App\Http\Controllers\ProfesorController@store	web
	GET HEAD	profesores/create	profesores.create	App\Http\Controllers\ProfesorController@create	web
	GET HEAD	profesores/{profesor}	profesores.show	App\Http\Controllers\ProfesorController@show	web
	PUT PATCH	profesores/{profesor}	profesores.update	App\Http\Controllers\ProfesorController@update	web
	DELETE	profesores/{profesor}	profesores.destroy	App\Http\Controllers\ProfesorController@destroy	web
	GET HEAD	profesores/{profesor}/edit	profesores.edit	App\Http\Controllers\ProfesorController@edit	web

Introduzco form-components

```

PS C:\Users\Usuario\Documents\GitHub\laravel\practicaLaravel\colegio> composer require protonemedia/laravel-form-components
Using version ^2.5 for protonemedia/laravel-form-components
./composer.json has been updated
Running composer update protonemedia/laravel-form-components
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking protonemedia/laravel-form-components (2.5.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Installing protonemedia/laravel-form-components (2.5.4): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

```

Y edito como framework hacia bootstrap

```

colegio > vendor > protonemedia > laravel-form-components > config > config.php
1  <?php
2
3  use ProtoneMedia\LaravelFormComponents\Components;
4
5  return [
6      'prefix' => '',
7
8      /** tailwind | tailwind-2 | bootstrap-4 */
9      'framework' => 'bootstrap-4',
10
11     'components' => [
12         'form' => [

```

Introduzco la paginación con bootstrap

```

app > Providers > AppServiceProvider.php > ...
1  <?php
2
3  namespace App\Providers;
4
5  use Illuminate\Support\ServiceProvider;
6  use Illuminate\Pagination\Paginator;
7
8  class AppServiceProvider extends ServiceProvider
9  {
10     /**
11      * Register any application services.
12      *
13      * @return void
14      */
15     public function register()
16     {
17         //
18     }
19
20     /**
21      * Bootstrap any application services.
22      *
23      * @return void
24      */
25     public function boot()
26     {
27         Paginator::useBootstrap();
28     }
29 }
30

```

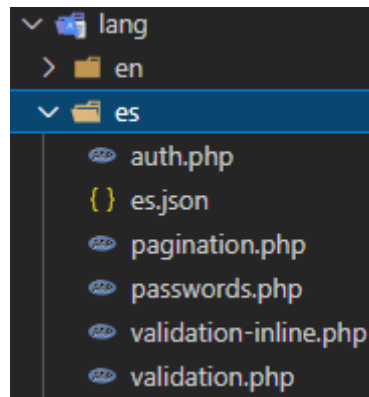
Introduzco los idiomas

```

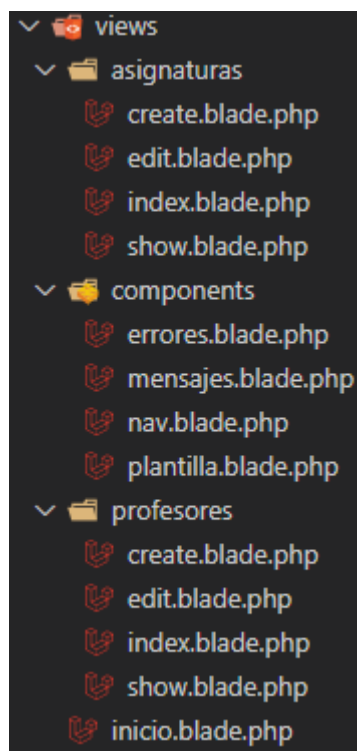
PS C:\Users\yepes\OneDrive\Escritorio\GitHub\practicalaravel\colegio> composer require laravel-lang/lang
Using version ^9.1 for laravel-lang/lang
./composer.json has been updated
Running composer update laravel-lang/lang
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking laravel-lang/lang (9.1.2)

```

Y copio la carpeta de español, en la carpeta de idiomas



Creo las siguientes vistas y las relleno



Y relleno los métodos para el correspondiente funcionamiento de la página