**Crear\_proyecto\_LARAVEL**

1. Instalar XAMPP
   1. APACHE
   2. PHP
   3. MariaDB/Mysql

<https://www.apachefriends.org/es/index.html>

Ir -> C:\xampp\php\php.ini

Descomentar la línea: extension=zip

Añadir la carpeta php de xampp al path del sistema.

1. Instalar Composer

<https://getcomposer.org/>

1. Instalar NodeJS

<https://nodejs.org/en>

1. Instalar y configurar Git
   1. <https://git-scm.com/>
   2. $ git config --global user.name “Tu\_nombre”
   3. $ git config --global user.email “Tu\_email”
2. Instalar Laravel

<https://laravel.com/docs/11.x/installation>

En la terminal

* 1. cd C:\xampp\htdocs\
  2. composer create-project laravel/laravel example-app
  3. php artisan serve

1. Extensiones Visual Studio Code
   1. Laravel Extension Pack
   2. Tailwind CSS Intellisense
   3. Vue - Official

**~~Para proyecto Laravel 11 + Vue3 + InertiaJS + Vite (~~***~~Se puede instalar de frente con Breeze~~***~~)~~**

1. **~~Instala Laravel 11:~~**

~~composer create-project laravel/laravel nombre-del-proyecto~~

~~cd nombre-del-proyecto~~

1. **~~Instala las dependencias de frontend~~**

~~npm install~~

1. **~~Instala Inertia.js:~~**

~~composer require inertiajs/inertia-laravel~~

~~php artisan inertia:middleware~~

1. **~~Configura Vue 3 y Inertia.js:~~**

~~npm install @inertiajs/vue3~~

1. **~~Configura Vite (ya viene por defecto en Laravel 11): Asegúrate de que tu archivo vite.config.js esté configurado correctamente.~~**

~~npm install --save-dev @vitejs/plugin-vue~~

1. **~~Incluir el complemento en tu vite.config.js archivo de configuración. Hay algunas opciones adicionales que necesitarás al usar el complemento Vue con Laravel:~~**

~~import { defineConfig } from 'vite';~~

~~import laravel from 'laravel-vite-plugin';~~

~~import vue from '@vitejs/plugin-vue';~~

~~export default defineConfig({~~

~~plugins: [~~

~~laravel(['resources/js/app.js']),~~

~~vue({~~

~~template: {~~

~~transformAssetUrls: {~~

~~// The Vue plugin will re-write asset URLs, when referenced~~

~~// in Single File Components, to point to the Laravel web~~

~~// server. Setting this to `null` allows the Laravel plugin~~

~~// to instead re-write asset URLs to point to the Vite~~

~~// server instead.~~

~~base: null,~~

~~// The Vue plugin will parse absolute URLs and treat them~~

~~// as absolute paths to files on disk. Setting this to~~

~~// `false` will leave absolute URLs un-touched so they can~~

~~// reference assets in the public directory as expected.~~

~~includeAbsolute: false,~~

~~},~~

~~},~~

~~}),~~

~~],~~

~~});~~

1. **~~Actualiza tu archivo resources/js/app.js~~**

~~import { createApp, h } from 'vue'~~

~~import { createInertiaApp } from '@inertiajs/vue3'~~

~~createInertiaApp({~~

~~resolve: name => {~~

~~const pages = import.meta.glob('./Pages/\*\*/\*.vue', { eager: true })~~

~~return pages[`./Pages/${name}.vue`]~~

~~},~~

~~setup({ el, App, props, plugin }) {~~

~~createApp({ render: () => h(App, props) })~~

~~.use(plugin)~~

~~.mount(el)~~

~~},~~

~~})~~

1. **~~Configura tu layout principal en resources/views/app.blade.php~~**

~~<!DOCTYPE html>~~

~~<html>~~

~~<head>~~

~~<meta charset="utf-8" />~~

~~<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0" />~~

~~@vite('resources/js/app.js')~~

~~@inertiaHead~~

~~</head>~~

~~<body>~~

~~@inertia~~

~~</body>~~

~~</html>~~

1. **~~Crea tu primer componente Vue en resources/js/Pages/Welcome.vue~~**

~~<template>~~

~~<h1>Bienvenido a tu nuevo proyecto</h1>~~

~~</template>~~

~~<script>~~

~~export default {~~

~~// ...~~

~~}~~

~~</script>~~

1. **~~Configura una ruta en routes/web.php~~**

~~use Inertia\Inertia;~~

~~Route::get('/', function () {~~

~~return Inertia::render('Welcome');~~

~~});~~

1. **~~Ejecuta el servidor de desarrollo~~**

~~php artisan serve~~

1. **~~En otra terminal, compila los assets~~**

~~npm run dev~~

**PROYECTO LARAVEL 11: AUTENTIFICACIÓN (BREEZE)**

$ composer create-project laravel/laravel nombre-del-proyecto

$ composer require laravel/breeze --dev

$ php artisan breeze:install

Se debe elegir opciones para seguir con la instalación (Vue + InertiaJS)

$ php artisan migrate

$ php artisan serve

$ npm run dev

*\*\* Breeze instala automáticamente Vue3 e InertiaJS por lo que no es necesario instalarlos antes.*

**Para poner Login como pagina principal (lo primero que se sea al ejecutar la app):**

En /routes/web.php

Borrar:

~~Route::get('/', function () {~~

~~return Inertia::render('Welcome', [~~

~~'canLogin' => Route::has('login'),~~

~~'canRegister' => Route::has('register'),~~

~~'laravelVersion' => Application::VERSION,~~

~~'phpVersion' => PHP\_VERSION,~~

~~]);~~

~~});~~

Añadir:  
  
Route::get('/', function () {

    if (auth()->check()) {

        return redirect()->route('dashboard');

    }

    return redirect()->route('login');

})->name('home');

\*\* Se debe configurar los permisos como RegisterUser ya que está activo para cualquier usuario.

**PROYECTO LARAVEL 11: MIGRACIÓN DE BASE DE DATOS**

* Crear solo migraciones:

$ php artisan make:migration create\_nombretabla\_table

* Crear solo modelo

$ php artisan make:model Nombremodelo

* Crear solo controller

$ php artisan make:controller NombreControlador

*Ejemplo: php artisan make:controller EstadoController*

* Crear modelo y migraciones

$ php artisan make:model Nombremodelo --migration

* Crear modelo, migraciones y controller (CRUD)

$ php artisan make:model Nombremodelo -m --resource

**Ejecutar comandos para crear models y migrations**

$ php artisan make:model PayrollType --migration

$ php artisan make:model Payroll --migration

$ php artisan make:model Employee --migration

$ php artisan make:migration create\_employee\_payroll\_table

Orden: (**Necesariamente crear migration en ese orden por tema de llave s foráneas**)

1. **User (ya está creado solo modificar)**
2. **PayrollTypes**
3. **Payroll**
4. **Employee**
5. **employee\_payroll**

**Modificar archivos:**

*En database/migrations/xxxx\_xx\_xx\_create\_users\_table.php*

public function up()

{

Schema::create('users', function (Blueprint $table) {

$table->id();

$table->string('name', 150);

$table->string('email', 100)->unique();

$table->timestamp('email\_verified\_at')->nullable();

$table->string('password', 255);

        $table->rememberToken();

$table->timestamps();

});

}

*En database/migrations/xxxx\_xx\_xx\_create\_employees\_table.php*

public function up()

{

Schema::create('employees', function (Blueprint $table) {

$table->id();

$table->string('dni', 30)->unique();

$table->string('first\_name', 150);

$table->string('last\_name', 150);

$table->timestamps();

});

}

*En database/migrations/xxxx\_xx\_xx\_create\_payrolls\_table.php*

public function up()

{

Schema::create('payrolls', function (Blueprint $table) {

$table->id();

$table->string('tittle', 255)->nullable();

$table->string('year', 4);

$table->string('month', 50);

$table->string('file\_uri', 255);

$table->foreignId('payroll\_type\_id')->constrained();

$table->foreignId('user\_id')->constrained();

$table->timestamps();

});

}

*En database/migrations/xxxx\_xx\_xx\_create\_payroll\_types\_table.php*

public function up()

{

Schema::create('payroll\_types', function (Blueprint $table) {

$table->id();

$table->string('name\_type', 100);

$table->timestamps();

});

}

*En database/migrations/xxxx\_xx\_xx\_create\_employee\_payroll\_table.php*

public function up()

{

Schema::create('employee\_payroll', function (Blueprint $table) {

$table->foreignId('payroll\_id')->constrained()->onDelete('cascade');

$table->foreignId('employee\_id')->constrained()->onDelete('cascade');

$table->primary(['payroll\_id', 'employee\_id']);

$table->timestamps();

});

}

**Modificar los models**

*Employee.php*

    public function payrolls()

    {

        return $this->belongsToMany(Payroll::class);

    }

*Payroll.php*

    public function payrollType()

    {

        return $this->belongsTo(PayrollType::class);

    }

    public function user()

    {

        return $this->belongsTo(User::class);

    }

    public function employees()

    {

        return $this->belongToMany(Employee::class);

    }

*PayrollType.php*

    public function payrolls()

    {

        return $this->hasMany(Payroll::class);

    }

*User.php*

    public function payrolls ()

    {

        return $this->hasMany(Payroll::class);

    }

**Agregar Seeder de PayrollType**

$ php artisan make:seeder PayrollTypeSeeder

*En database/seeders/PayrollTypeSeeder.php*

namespace Database\Seeders;

use Illuminate\Database\Console\Seeds\WithoutModelEvents;

use Illuminate\Database\Seeder;

use App\Models\PayrollType;

class PayrollTypeSeeder extends Seeder

{

    public function run(): void

    {

        PayrollType::create([

            'name\_type' => 'Haberes',

        ]);

        PayrollType::create([

            'name\_type' => 'Jornales',

        ]);

    }

}

*Actualizar database/seeders/DatabaseSeeder.php*

    public function run()

    {

        $this->call([

            PayrollTypeSeeder::class,

        ]);

    }

Ejecutar comando:

php artisan migrate

php artisan db:seed

**PROYECTO LARAVEL 11: CRUD**

**Crear controllers para Planillas y Trabajadores.**

$ php artisan make:controller PayrollController --resource  
$ php artisan make:controller EmployeeController --resource

**Rutas de navegación en dashboard**

*En resources\js\Layouts\ AuthenticatedLayout.vue*

                            <!-- Navigation Links -->

                            <div class="hidden space-x-8 sm:-my-px sm:ms-10 sm:flex">

                                <NavLink :href="route('dashboard')" :active="route().current('dashboard')">

                                    Dashboard

                                </NavLink>

                                <NavLink :href="route('payroll.index')" :active="route().current('payroll.index')">

                                    Planillas

                                </NavLink>

                                <NavLink :href="route('employee.index')" :active="route().current('employee.index')">

                                    Trabajadores

                                </NavLink>

                            </div>

**Agregar nuevas rutas**

*En routes\web.php agregar nuestras rutas:*

use App\Http\Controllers\PayrollController;

+

+

+

Route::prefix('dashboard')->group(function(){

Route::get('payroll',[PayrollController]{

dd('inner');

});

});

**Modificar e importar Inertia en el archivo:**

*En app\http\Controllers\PayrollController.php*

use Inertia\Inertia;

**+**

**+**

public function index()

{

return Inertia::render('Payroll/Index')

}

**Crear la carpeta “Payroll” y archivo “index.vue”**

*En resources\js\Pages*

*- > resources\js\Pages\Index.vue*

**CRUD Full Stack con Laravel, Inertia y Vue minuto 52**

**Ayuda con git y github**

[**https://docs.github.com/es/authentication**](https://docs.github.com/es/authentication)

**CLONAR REPOSITORIO DE GITHUB**

* Al clonar un repositorio de Github hay archivos que no se clonan a causa de .gitignore como:

/.phpunit.cache

/node\_modules

/public/build

/public/hot

/public/storage

/storage/\*.key

**/vendor**

**.env**

.env.backup

.env.production

.phpactor.json

.phpunit.result.cache

Homestead.json

Homestead.yaml

auth.json

npm-debug.log

yarn-error.log

/.fleet

/.idea

/.vscode

* **Para solucionar .env**

$ cp .env.example .env

* **Para solucionar /vendor**

$ composer install

* **Para solucionar vite**

$ npm install

* **Actualizar los datos de .env**

DB\_CONNECTION=sqlite

# DB\_HOST=127.0.0.1

# DB\_PORT=3306

# DB\_DATABASE=laravel

# DB\_USERNAME=root

# DB\_PASSWORD=

$ php artisan key:generate

$ php artisan migrate

**AVANZAR EL PROYECTO DESDE UN COMMIT, PERO TENER ERRORES.**

**PASOS PARA VOLVER AL INICIO DEL COMMIT**

* **Primero, obtén el hash del primer commit. Puedes usar el comando git log para ver el historial de commits**

$ git log --oneline

* **Resetear el Repositorio al Commit**

$ git reset –hard [hash]

* **Volver a la Rama Principal**

$ git checkuot main

**Videos de ayuda:**

* **CRUD Full Stack con Laravel, Inertia y Vue**

<https://www.youtube.com/watch?v=esIlt5wREL8&t=323s>

* **Laravel - Tablar - Login, Dashboard y CRUD ¡Fácil y rápido!**

<https://www.youtube.com/watch?v=JbAtwtCN8PI>

* **APLICACIÓN REAL DE LARAVEL, VUE LARAVEL 9 - 10**

<https://www.youtube.com/watch?v=xgu6NbM06gA&list=PLDllzmccetSPjp-wGeCUnzoU_f0wxE-t_>

**#1 Desarrollando un Proyecto Real con Laravel y Vue: Paso a Paso | GOGODEV**

(creación de model, migration, controller – ejemplo de base de datos many-to-many : 38:00)

**#2 Desarrollando un Proyecto Real con Laravel y Vue: Paso a Paso | GOGODEV**

(roles y permisos)

Paginas\_de\_ayuda

# **Buenas prácticas para escribir commits en Git**

<https://midu.dev/buenas-practicas-escribir-commits-git/>

# **Cómo Instalar Laravel en Windows, macOS y Linux**

<https://kinsta.com/es/base-de-conocimiento/instalar-laravel/#windows-6>

<https://tablar.ebuz.xyz/>

**# Open-Source Admin Template for Laravel, and More**

<https://tablar.ebuz.xyz/>

**Cómo clonar un repositorio Laravel desde GitHub**

<https://www.youtube.com/watch?v=EdZ0hQtrfEU>

**Manual de instalación TABLAR**

<https://tablar.ebuz.xyz/docs/11.0/overview>

**Autentificación Laravel**

<https://laravel.com/docs/11.x/authentication>

<https://laravel.com/docs/11.x/starter-kits#laravel-breeze>

**Laravel 11 Many-to-Many Relationship**

<https://medium.com/@maitrikt1998/laravel-many-to-many-relationship-4bbe2d70dbec>

**Laravel 11 One-to-Many Relationship**

<https://medium.com/@maitrikt1998/laravel-one-to-many-relationship-2d165a8db6b5>

**Laravel 11 Multi Auth using Breeze with CRUD Admin**

<https://www.youtube.com/watch?v=b-qEj11h7as>

**Doble CRUD Laravel 11 Vue 3 con Inertia | Tailwind | ChartJs | Select2 | Subir imágenes | Dashboard**

<https://www.youtube.com/watch?v=aaR9JNkFcnc&t=1561s>