**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.

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
   4. Vscode-icons
   5. Indent-rainbow

**~~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->integer('status')->default(1); // 0:Disabled , 1:Enabled

            $table->rememberToken();

            $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('title', 255)->nullable();

        $table->string('year', 4);

        $table->enum('month', ['Enero','Febrero','Marzo','Abril','Mayo','Junio','Julio','Agosto','Septiembre','Octubre','Noviembre','Diciembre']);

        $table->enum('type',['Haberes','Jornales']);

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

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

        $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\_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 Planillas y Trabajadores:**

*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>

**Para PLANILLAS:**

**Agregar nuevas rutas**

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

use App\Http\Controllers\PayrollController;

+

+

+

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

    Route::get('payroll',[PayrollController::class,'index'])->name('payroll.index');

});

**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” en resources\js\Pages y archivo después “index.vue”**

*En resources\js\Pages*

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

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

**CRUD DE TRABAJADORES**

**Modificar la funtion index en el archivo:**

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

*public function index()*

*{*

*return Inertia::render('Employee/Index');*

*}*

**Crear la carpeta “Employee” en resources\js\Pages y archivo después “index.vue”**

*<script setup>*

*import AuthenticatedLayout from '@/Layouts/AuthenticatedLayout.vue';*

*import { Head, Link } from '@inertiajs/vue3';*

*</script>*

*<template>*

*<Head title="Dashboard" />*

*<AuthenticatedLayout>*

*<template #header>*

*<div class="flex justify-between">*

*<h2 class="font-semibold text-xl text-gray-800 leading-tight">Trabajadores</h2>*

*<Link :href="route('employee.create')">Agregar trabajador</Link>*

*</div>*

*</template>*

*<div class="py-12">*

*<div class="max-w-7xl mx-auto sm:px-6 lg:px-8">*

*<!-- Search input -->*

*<div class="bg-white overflow-hidden shadow-sm sm:rounded-lg py-2 px-5">*

*<div class="flex flex-wrap justify-center gap-4 p-3">*

*<input id="inputSearch" type="text" placeholder="Ingresa DNI" class="block w-80 rounded-lg border dark:border-none dark:bg-neutral-100 text-center pr-4 text-sm focus:border-blue-400 focus:outline-none focus:ring-1 focus:ring-blue-400"/>*

*<input id="inputSearch" type="text" placeholder="Ingresa apellido" class="block w-80 rounded-lg border dark:border-none dark:bg-neutral-100 text-center pr-4 text-sm focus:border-blue-400 focus:outline-none focus:ring-1 focus:ring-blue-400"/>*

*<input id="inputSearch" type="text" placeholder="Ingresa nombre" class="block w-80 rounded-lg border dark:border-none dark:bg-neutral-100 text-center pr-4 text-sm focus:border-blue-400 focus:outline-none focus:ring-1 focus:ring-blue-400"/>*

*</div>*

*<div class="flex justify-center gap-4 p-3">*

*<button class="bg-blue-900 text-white font-semibold py-1 px-1 w-1/6 rounded-lg shadow-md hover:bg-sky-950 focus:outline-none focus:ring-2 focus:ring-blue-400 focus:ring-opacity-50">*

*Buscar*

*</button>*

*<button class="bg-rose-700 text-white font-semibold w-1/6 rounded-lg shadow-md hover:bg-rose-800 focus:outline-none focus:ring-2 focus:ring-blue-400 focus:ring-opacity-50">*

*Cancelar*

*</button>*

*</div>*

*<!-- Table -->*

*<table class="min-w-full divide-y divide-gray-200">*

*<thead class="bg-gray-50">*

*<tr>*

*<th class="px-6 py-3 text-center text-sm font-medium text-gray-500 uppercase tracking-wider">DNI</th>*

*<th class="px-6 py-3 text-center text-sm font-medium text-gray-500 uppercase tracking-wider">Apellidos</th>*

*<th class="px-6 py-3 text-center text-sm font-medium text-gray-500 uppercase tracking-wider">Nombres</th>*

*<th class="px-6 py-3 text-center text-sm font-medium text-gray-500 uppercase tracking-wider">Acción</th>*

*</tr>*

*</thead>*

*<tbody class="bg-white divide-y divide-gray-200">*

*<tr>*

*<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-500">00000000</td>*

*<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-500">xxxxxxxx</td>*

*<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-500">xxxxxxxx</td>*

*<td class="px-6 py-4 whitespace-nowrap text-center text-sm font-medium">*

*<a href="#" class="text-indigo-600 hover:text-indigo-900">Editar</a>*

*</td>*

*</tr>*

*</tbody>*

*</table>*

*</div>*

*</div>*

*</div>*

*</AuthenticatedLayout>*

*</template>*

***PARA LA CREACIÓN DE NUEVOS TRABAJADORES:***

**Agregar ruta para crear trabajador**

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

use App\Http\Controllers\EmployeeController;

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

    Route::get('employees', [EmployeeController::class,'index'])->name('employee.index');

Route::get('employees/create',[EmployeeController::class,'create'])->name('employee.create');

});

**Crear en la carpeta “resources\js\Pages Employee” el archivo “create.vue”**

*<script setup>*

*import AuthenticatedLayout from '@/Layouts/AuthenticatedLayout.vue';*

*import { Head, Link, useForm } from '@inertiajs/vue3';*

*import InputLabel from '@/Components/InputLabel.vue';*

*import TextInput from '@/Components/TextInput.vue';*

*import InputError from '@/Components/InputError.vue';*

*import PrimaryButton from '@/Components/PrimaryButton.vue';*

*const initialValues = {*

*dni: '',*

*first\_name: '',*

*last\_name: '',*

*}*

*const form = useForm(initialValues);*

*const submit = () =>{*

*form.post(route('employee.store'));*

*}*

*</script>*

*<template>*

*<Head title="Dashboard" />*

*<AuthenticatedLayout>*

*<template #header>*

*<div class="flex justify-between">*

*<h2 class="font-semibold text-xl text-gray-800 leading-tight">Agregar trabajadores</h2>*

*<Link :href="route('employee.index')">Lista de trabajadores</Link>*

*</div>*

*</template>*

*<div class="py-12">*

*<div class="flex justify-center">*

*<div class="w-1/4 bg-white overflow-hidden shadow-sm sm:rounded-lg py-5 px-5">*

*<form @submit.prevent="submit">*

*<div class="py-3">*

*<InputLabel for="dni" value="DNI" />*

*<TextInput id="dni" type="text" class="mt-1 block w-full" v-model="form.dni"*

*placeholder="Ingresa DNI" />*

*<InputError class="mt-2" :message="form.errors.dni" />*

*</div>*

*<div class="py-3">*

*<InputLabel for="first\_name" value="Nombres" />*

*<TextInput id="first\_name" type="text" class="mt-1 block w-full" v-model="form.first\_name"*

*placeholder="Ingresa nombres" />*

*<InputError class="mt-2" :message="form.errors.first\_name" />*

*</div>*

*<div class="py-3">*

*<InputLabel for="last\_name" value="Apellidos" />*

*<TextInput id="last\_name" type="text" class="mt-1 block w-full" v-model="form.last\_name"*

*placeholder="Ingresa apellidos" />*

*<InputError class="mt-2" :message="form.errors.last\_name" />*

*</div>*

*<div class="flex justify-center py-3">*

*<PrimaryButton>*

*AGREGAR TRABAJADOR*

*</PrimaryButton>*

*</div>*

*</form>*

*</div>*

*</div>*

*</div>*

*</AuthenticatedLayout>*

*</template>*

**Modificar el archivo de rutas:**

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

*Route::get('payrolls',[PayrollController::class,'index'])->name('payroll.index');*

*Route::get('employees', [EmployeeController::class,'index'])->name('employee.index');*

*Route::get('employees/create',[EmployeeController::class,'create'])->name('employee.create');*

*Route::post('employees',[EmployeeController::class,'store'])->name('employee.store');*

*});*

**Modificar la funtion create en archivo:**

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

*public function create()*

*{*

*return Inertia::render('Employee/Create');*

*}*

**Para la validación de los input**

*$ php artisan make:request Employee/StoreRequest*

**Modificar el archivo StoreRequest.php**

    public function authorize(): bool

    {

        return Auth::check();

    }

+

+

    public function rules(): array

    {

        return [

            "dni" => 'required|min:8|max:30|unique:employees',

            "first\_name" => 'required|max:150',

            "last\_name" => 'required|max:150',

        ];

    }

**Modificar la funtion store en archivo:**

    public function store(StoreRequest $request)

    {

        $data = $request->all();

        Employee::create($data);

        return to\_route('employee.index');

    }

**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>

**How to Enable & disable User's Status in Laravel**

<https://www.youtube.com/watch?v=eW_k2_De0rI>