**Following Steps To Create A Crud Operation App In Laravel 9**

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**Step 1 – Download Laravel 9 App**

First of all, download or install laravel 9 new setup. So, open the terminal and type the following command to install the new laravel 9 app into your machine:

composer create-project --prefer-dist laravel/laravel:^9.0 laravel-9-crud

**Step 2 – Setup Database with App**

Setup database with your downloaded/installed laravel app. So, you need to find the .env file and setup database details as follows:

*DB\_CONNECTION*=mysql

*DB\_HOST*=127.0.0.1

*DB\_PORT*=3306

*DB\_DATABASE*=database-name

*DB\_USERNAME*=database-user-name

*DB\_PASSWORD*=database-password

**Step 3 – Create Company Model & Migration For CRUD App**

Open again your command prompt. And run the following command on it. To create model and migration file for form:

php artisan make:model Company -m

After that, open **company**migration file inside **laravel-9-crud/database/migrations/** directory. And then update the function up() with the following code:

public function up()

{

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

$table->id();

$table->string('name');

$table->string('email');

$table->string('address');

$table->timestamps();

});

}

**app/Models/Company.php**

<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;

use Illuminate\Database\Eloquent\Model;

class Company extends Model

{

use HasFactory;

protected $fillable = ['name', 'email', 'address'];

}

Then, open again command prompt and run the following command to create tables in the database:

php artisan migrate

**Read Also:** [How to set up Free self-hosted Email marketing with Mautic (60k Emails per month!)](https://techvblogs.com/blog/set-up-free-self-hosted-email-marketing-with-mautic)

**Step 4 – Create Company Controller By Artisan Command**

Create a controller by using the following command on the command prompt to create a controller file:

php artisan make:controller CompanyController

After that, visit app/Http/controllers and open the CompanyController.php file. And update the following code into it:

<?php

namespace App\Http\Controllers;

use App\Models\Company;

use Illuminate\Http\Request;

class CompanyController extends Controller

{

/\*\*

\* Display a listing of the resource.

\*

\* @return \Illuminate\Http\Response

\*/

public function index()

{

$companies = Company::orderBy('id','desc')->paginate(5);

return view('companies.index', compact('companies'));

}

/\*\*

\* Show the form for creating a new resource.

\*

\* @return \Illuminate\Http\Response

\*/

public function create()

{

return view('companies.create');

}

/\*\*

\* Store a newly created resource in storage.

\*

\* @param \Illuminate\Http\Request $request

\* @return \Illuminate\Http\Response

\*/

public function store(Request $request)

{

$request->validate([

'name' => 'required',

'email' => 'required',

'address' => 'required',

]);

Company::create($request->post());

return redirect()->route('companies.index')->with('success','Company has been created successfully.');

}

/\*\*

\* Display the specified resource.

\*

\* @param \App\company $company

\* @return \Illuminate\Http\Response

\*/

public function show(Company $company)

{

return view('companies.show',compact('company'));

}

/\*\*

\* Show the form for editing the specified resource.

\*

\* @param \App\Company $company

\* @return \Illuminate\Http\Response

\*/

public function edit(Company $company)

{

return view('companies.edit',compact('company'));

}

/\*\*

\* Update the specified resource in storage.

\*

\* @param \Illuminate\Http\Request $request

\* @param \App\company $company

\* @return \Illuminate\Http\Response

\*/

public function update(Request $request, Company $company)

{

$request->validate([

'name' => 'required',

'email' => 'required',

'address' => 'required',

]);

$company->fill($request->post())->save();

return redirect()->route('companies.index')->with('success','Company Has Been updated successfully');

}

/\*\*

\* Remove the specified resource from storage.

\*

\* @param \App\Company $company

\* @return \Illuminate\Http\Response

\*/

public function destroy(Company $company)

{

$company->delete();

return redirect()->route('companies.index')->with('success','Company has been deleted successfully');

}

}

**Step 5 – Create Routes**

Then create routes for laravel crud app. So, open the web.php file from the routes directory of laravel CRUD app. And update the following routes into the web.php file:

use App\Http\Controllers\CompanyController;

Route::resource('companies', CompanyController::class);

**Step 6 – Create Blade Views File**

Create the directory and some blade view, see the following:

* Make Directory Name Companies
* index.blade.php
* create.blade.php
* edit.blade.php

Create directory name **companies** inside the **resources/views**directory.

Note that, create index.blade.php, create.blade.php, and edit.blade.php inside the companies directory. And update the following code into the following files:

**index.blade.php**:

<!DOCTYPE html>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<title>Laravel 9 CRUD Tutorial Example</title>

<link *rel*="stylesheet" *href*="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" >

</head>

<body>

<div *class*="container mt-2">

<div *class*="row">

<div *class*="col-lg-12 margin-tb">

<div *class*="pull-left">

<h2>Laravel 9 CRUD Example Tutorial</h2>

</div>

<div *class*="pull-right mb-2">

<a *class*="btn btn-success" *href*="{{ route('companies.create') }}"> Create Company</a>

</div>

</div>

</div>

@if ($message = Session::get('success'))

<div *class*="alert alert-success">

<p>{{ $message }}</p>

</div>

@endif

<table *class*="table table-bordered">

<thead>

<tr>

<th>S.No</th>

<th>Company Name</th>

<th>Company Email</th>

<th>Company Address</th>

<th *width*="280px">Action</th>

</tr>

</thead>

<tbody>

@foreach ($companies as $company)

<tr>

<td>{{ $company->id }}</td>

<td>{{ $company->name }}</td>

<td>{{ $company->email }}</td>

<td>{{ $company->address }}</td>

<td>

<form *action*="{{ route('companies.destroy',$company->id) }}" *method*="Post">

<a *class*="btn btn-primary" *href*="{{ route('companies.edit',$company->id) }}">Edit</a>

@csrf

@method('DELETE')

<button *type*="submit" *class*="btn btn-danger">Delete</button>

</form>

</td>

</tr>

@endforeach

</tbody>

</table>

{!! $companies->links() !!}

</div>

</body>

</html>

**create.blade.php:**

<!DOCTYPE html>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<title>Add Company Form - Laravel 9 CRUD</title>

<link *rel*="stylesheet" *href*="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div *class*="container mt-2">

<div *class*="row">

<div *class*="col-lg-12 margin-tb">

<div *class*="pull-left mb-2">

<h2>Add Company</h2>

</div>

<div *class*="pull-right">

<a *class*="btn btn-primary" *href*="{{ route('companies.index') }}"> Back</a>

</div>

</div>

</div>

@if(session('status'))

<div *class*="alert alert-success mb-1 mt-1">

{{ session('status') }}

</div>

@endif

<form *action*="{{ route('companies.store') }}" *method*="POST" *enctype*="multipart/form-data">

@csrf

<div *class*="row">

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Name:</strong>

<input *type*="text" *name*="name" *class*="form-control" *placeholder*="Company Name">

@error('name')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Email:</strong>

<input *type*="email" *name*="email" *class*="form-control" *placeholder*="Company Email">

@error('email')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Address:</strong>

<input *type*="text" *name*="address" *class*="form-control" *placeholder*="Company Address">

@error('address')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<button *type*="submit" *class*="btn btn-primary ml-3">Submit</button>

</div>

</form>

</div>

</body>

</html>

**edit.blade.php**:

<!DOCTYPE html>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<title>Edit Company Form - Laravel 9 CRUD Tutorial</title>

<link *rel*="stylesheet" *href*="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div *class*="container mt-2">

<div *class*="row">

<div *class*="col-lg-12 margin-tb">

<div *class*="pull-left">

<h2>Edit Company</h2>

</div>

<div *class*="pull-right">

<a *class*="btn btn-primary" *href*="{{ route('companies.index') }}" *enctype*="multipart/form-data">

Back</a>

</div>

</div>

</div>

@if(session('status'))

<div *class*="alert alert-success mb-1 mt-1">

{{ session('status') }}

</div>

@endif

<form *action*="{{ route('companies.update',$company->id) }}" *method*="POST" *enctype*="multipart/form-data">

@csrf

@method('PUT')

<div *class*="row">

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Name:</strong>

<input *type*="text" *name*="name" *value*="{{ $company->name }}" *class*="form-control"

*placeholder*="Company name">

@error('name')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Email:</strong>

<input *type*="email" *name*="email" *class*="form-control" *placeholder*="Company Email"

*value*="{{ $company->email }}">

@error('email')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<div *class*="col-xs-12 col-sm-12 col-md-12">

<div *class*="form-group">

<strong>Company Address:</strong>

<input *type*="text" *name*="address" *value*="{{ $company->address }}" *class*="form-control"

*placeholder*="Company Address">

@error('address')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

</div>

</div>

<button *type*="submit" *class*="btn btn-primary ml-3">Submit</button>

</div>

</form>

</div>

</body>

</html>

If you submit the add or edit form blank. So the error message will be displayed with the help of the code given below:

@error('name')

<div *class*="alert alert-danger mt-1 mb-1">{{ $message }}</div>

@enderror

**Step 7 – Run Development Server**

In the last step, open a command prompt and run the following command to start the development server:

php artisan serve

Then open your browser and hit the following URL on it:

http://127.0.0.1:8000/companies