



Laravel CRUD App

Before we start creating our CRUD app, we must first link our Database

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=database-name
DB_USERNAME=database-username
DB_PASSWORD=database-password
```

step 1 - create model and migrations

-Model:

run cmd in the terminal - php artisan make:model Post

-IN app/models/post.php add:

```
protected $fillable = [
    'title', 'description'
];
```

-Migration:

cmd - php artisan make:migration create_post_tbl

-IN databases/migrations/create_post_tbl :

```
use Illuminate\Support\Facades\Schema;
public function up()
{
    Schema::create('posts', function (Blueprint $table) {
        $table->id();
        $table->string('title');
        $table->text('description');
        $table->timestamps();
    });
}
```

run cmd in the terminal to migrate the table to the database

- php artisan make:migrate

step 2 - make PostController

Make controller to manage our CRUD app

run cmd - php artisan make:controller PostController

IN PostController add the following code:

* Show the list of product.

```
-----  
public function index() {  
    $data = Post::latest()->paginate(5);  
    return view('posts.index',compact('data'))  
        ->with('i', (request()->input('page', 1) - 1) * 5);  
}
```

* Show the form for creating a new resource.

```
-----  
public function create()  
{  
    return view('posts.create');  
}
```

* Store a newly created resource in storage.

```
-----  
public function store(Request $request)  
{  
    $request->validate([  
        'title' => 'required',  
        'description' => 'required',  
    ]);  
    Post::create($request->all());  
    return redirect()->route('posts.index')  
        ->with('success','Post created successfully.');
```

* Display the specified resource.

```
-----  
public function show(Post $post)  
{  
    return view('posts.show',compact('post'));  
}
```

* Show the form for editing the specified resource.

```
-----  
public function edit(Post $post)  
{  
    return view('posts.edit',compact('post'));  
}  
-----
```

* Update the specified resource in storage.

```
-----  
public function update(Request $request, Post $post)  
{  
    $request->validate([  
        'title' => 'required',  
        'description' => 'required',  
    ]);  
  
    $post->update($request->all());  
  
    return redirect()->route('posts.index')  
        ->with('success','Post updated successfully');  
}  
-----
```

* Remove the specified resource from storage.

```
-----  
public function destroy(Post $post)  
{  
    $post->delete();  
  
    return redirect()->route('posts.index')  
        ->with('success','Post deleted successfully');  
}  
-----
```

step 3 - create routes

```
IN routes/web.php create routes
Route::resource('posts', PostController::class);
```

step 4 - create blade view files

IN views, create a directory called "posts" and inside the directory create blade.php files such as:

- layout.blade.php
- index.blade.php
- create.blade.php
- edit.blade.php
- show.blade.php

*inside the layout.blade.php, add the following code :

```
-----
<!DOCTYPE html>
<html>
<head>
  <title>Laravel 8 CRUD Application - laravelcode.com</title>
  <link href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-alpha/
css/bootstrap.css" rel="stylesheet">
</head>
<body>
<div class="container"> @yield('content') </div>
</body>
</html>
-----
```

*inside the index.blade.php, add the following code :

```
-----
@extends('posts.layout')
@section('content')
  <div class="row" style="margin-top: 5rem;">
    <div class="col-lg-12 margin-tb">
      <div class="pull-left">
        <h2>Laravel 8 CRUD app</h2>
      </div>
      <div class="pull-right">
        <a class="btn btn-success" href="{{ route('posts.create') }}"> Create New Post</a>
      </div>
    </div>
  </div>
  @if ($message = Session::get('success'))
    <div class="alert alert-success">
      <p>{{ $message }}</p>
    </div>
  @endif
-----
```

```

<table class="table table-bordered">
<tr>
<th>No</th>
<th>Name</th>
<th>Details</th>
<th width="280px">Action</th>
</tr>
@foreach ($data as $key => $value)
<tr>
<td>{{ ++$i }}</td>
<td>{{ $value->title }}</td>
<td>{{ \Str::limit($value->description, 100) }}</td>
<td> <form action="{{ route('posts.destroy',$value->id) }}" method="POST">
<a class="btn btn-info" href="{{ route('posts.show',$value->id) }}"> Show </a>
<a class="btn btn-primary" href="{{ route('posts.edit',$value->id) }}"> Edit </a>
@csrf @method('DELETE')
<button type="submit" class="btn btn-danger">Delete</button>
</form>
</td>
</tr>
@endforeach
</table>
{!! $data->links() !!}
@endsection

```

*inside the create.blade.php, add the following code :

```

@extends('posts.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2>Add New Product</h2>
</div>
<div class="pull-right">
<a class="btn btn-primary" href="{{ route('posts.index') }}"> Back</a>
</div>
</div>
</div>
</div>
@if ($errors->any()) <div class="alert alert-danger">
<strong>Whoops!</strong> There were some problems with your input.<br><br> <ul>
@foreach ($errors->all() as $error)
<li>{{ $error }}</li>
@endforeach
</ul> </div>
@endif

```

```

<form action="{{ route('posts.store') }}" method="POST">
@csrf
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group"> <strong>Title:</strong>
<input type="text" name="title" class="form-control" placeholder="Enter Title">
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Description:</strong>
<textarea class="form-control" style="height:150px" name="description"
placeholder="Enter Description">
</textarea>
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12 text-center">
<button type="submit" class="btn btn-primary">Submit</button>
</div>
</div>
</form>
@endsection

```

*inside the edit.blade.php, add the following code :

```

@extends('posts.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2>Edit Product</h2>
</div>
<div class="pull-right">
<a class="btn btn-primary" href="{{ route('posts.index') }}"> Back</a>
</div>
</div>
</div>
@if ($errors->any())
<div class="alert alert-danger"> <strong>Whoops!</strong> There were some problems
with your input.<br><br> <ul>
@foreach ($errors->all() as $error)
<li>{{ $error }}</li>
@endforeach
</ul>
</div>
@endif

```

```

<form action="{{ route('posts.update',$post->id) }}" method="POST">
@csrf
@method('PUT')
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group"> <strong>Title:</strong> <input type="text" name="title"
value="{{ $post->title }}" class="form-control" placeholder="Title">
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Description:</strong>
<textarea class="form-control" style="height:150px" name="description"
placeholder="Detail">{{ $post->description }}
</textarea>
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12 text-center">
<button type="submit" class="btn btn-primary">Submit</button>
</div>
</div>
</form>
@endsection

```

*inside the show.blade.php, add the following code :

```

@extends('posts.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2> Show Product</h2>
</div> <div class="pull-right">
<a class="btn btn-primary" href="{{ route('posts.index') }}"> Back</a>
</div>
</div>
</div>
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group"> <strong>Title:</strong> {{ $post->title }} </div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group"> <strong>Description:</strong> {{ $post->description }} </div>
</div>
</div>
@endsection

```

step 5 - run development server

```
run cmd - php artisan serve
```