# Criação de Crud Usando Jquery e Ajax no Laravel 5.4

As funcionalidades CRUD (Criar, Ler, Atualizar e Excluir) são usadas na maioria das aplicações web. Aprender operações CRUD são passos muito básicos para aprender qualquer linguagem de programação. Neste artigo eu gostaria de explicar operações básicas CRUD no laravel 5.4 usando jQuery e Ajax.

Utilizaremos o banco de dados MySQL, e o primeiro passo é criar a tabela student e users para autenticacao do laravel.

CREATE TABLE IF NOT EXISTS `student` (

`id` int(10) unsigned NOT NULL AUTO\_INCREMENT,

`first\_name` varchar(255) COLLATE utf8\_unicode\_ci NOT NULL,

`last\_name` varchar(255) COLLATE utf8\_unicode\_ci NOT NULL,

`email` varchar(255) COLLATE utf8\_unicode\_ci NOT NULL,

`created\_at` timestamp NULL DEFAULT NULL,

`updated\_at` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci AUTO\_INCREMENT=1 ;

CREATE TABLE `users` (

`id` int(10) unsigned NOT NULL AUTO\_INCREMENT,

`name` varchar(255) COLLATE utf8mb4\_unicode\_ci NOT NULL,

`email` varchar(255) COLLATE utf8mb4\_unicode\_ci NOT NULL,

`password` varchar(255) COLLATE utf8mb4\_unicode\_ci NOT NULL,

`remember\_token` varchar(100) COLLATE utf8mb4\_unicode\_ci DEFAULT NULL,

`created\_at` timestamp NULL DEFAULT NULL,

`updated\_at` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB AUTO\_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_unicode\_ci;

**Modelo (app / Student.php)**

<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Student extends Model

{

protected $table = 'student';

}

?>

**Roteamento (routes/web.php)**

<?php

/\*

|--------------------------------------------------------------------------

| 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');

});

Auth::routes();

Route::get('/home', 'CRUDController@index');

//Rotas da aplicacao WEB do CRUD

Route::get('crud', 'CRUDController@index');

Route::post('crud', 'CRUDController@add');

Route::get('crud/view', 'CRUDController@view');

Route::post('crud/update', 'CRUDController@update');

Route::post('crud/delete', 'CRUDController@delete');

**Controllers (App / Http / Controladores / CRUDController.Php)**

<?php

namespace App\Http\Controllers;

use App\Http\Controllers\Controller;

use Illuminate\Http\Request;

use App\Student;

class CRUDController extends Controller

{

/\*

\* Display all data

\*/

public function index()

{

$data = Student::all();

return view('crud.index')->with('data',$data);

}

/\*

\* Add student data

\*/

public function add(Request $request)

{

$data = new Student;

$data -> first\_name = $request -> first\_name;

$data -> last\_name = $request -> last\_name;

$data -> email = $request -> email;

$data -> save();

return back()

->with('success','Record Added successfully.');

}

/\*

\* View data

\*/

public function view(Request $request)

{

if($request->ajax()){

$id = $request->id;

$info = Student::find($id);

//echo json\_decode($info);

return response()->json($info);

}

}

/\*

\* Update data

\*/

public function update(Request $request)

{

$id = $request -> edit\_id;

$data = Student::find($id);

$data -> first\_name = $request -> edit\_first\_name;

$data -> last\_name = $request -> edit\_last\_name;

$data -> email = $request -> edit\_email;

$data -> save();

return back()

->with('success','Record Updated successfully.');

}

/\*

\* Delete record

\*/

public function delete(Request $request)

{

$id = $request -> id;

$data = Student::find($id);

$response = $data -> delete();

if($response)

echo "Record Deleted successfully.";

else

echo "There was a problem. Please try again later.";

}

}

?>

**Modelo CRUD**

Crie o arquivo blade template ie, **resources / views / crud / index.blade.php**

<!DOCTYPE html>

<html lang="en">

<head>

<title>CRUD operations in Laravel 5.3</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

</head>

<body>

<div id="app">

<nav class="navbar navbar-default navbar-static-top">

<div class="container">

<div class="navbar-header">

<!-- Collapsed Hamburger -->

<button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#app-navbar-collapse">

<span class="sr-only">Toggle Navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<!-- Branding Image -->

<a class="navbar-brand" href="{{ url('/') }}">

{{ config('app.name', 'Laravel') }}

</a>

</div>

<div class="collapse navbar-collapse" id="app-navbar-collapse">

<!-- Left Side Of Navbar -->

<ul class="nav navbar-nav">

&nbsp;

</ul>

<!-- Right Side Of Navbar -->

<ul class="nav navbar-nav navbar-right">

<!-- Authentication Links -->

@if (Auth::guest())

<li><a href="{{ route('login') }}">Login</a></li>

<li><a href="{{ route('register') }}">Register</a></li>

@else

<li class="dropdown">

<a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-expanded="false">

{{ Auth::user()->name }} <span class="caret"></span>

</a>

<ul class="dropdown-menu" role="menu">

<li>

<a href="{{ route('logout') }}"

onclick="event.preventDefault();

document.getElementById('logout-form').submit();">

Logout

</a>

<form id="logout-form" action="{{ route('logout') }}" method="POST" style="display: none;">

{{ csrf\_field() }}

</form>

</li>

</ul>

</li>

@endif

</ul>

</div>

</div>

</nav>

@yield('content')

</div>

<!-- Scripts -->

</body>

<div class="container">

<h2>CRUD and Login in Laravel 5.4 With Ajax</h2>

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

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

<button type="button" class="close" data-dismiss="alert">×</button>

<strong>{{ $message }}</strong>

</div>

@endif

<button type="button" class="btn btn-info btn-sm pull-right" data-toggle="modal" data-target="#addModal">Add</button>

<table class="table table-bordered">

<thead>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Email</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

@foreach($data as $x)

<tr>

<td>{{$x -> first\_name}}</td>

<td>{{$x -> last\_name}}</td>

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

<td>

<input type="hidden" name="idHidden" id="idHidden" value="{{$x -> id}}" />

<button class="btn btn-info" data-toggle="modal" data-target="#viewModal" id="btnView">View</button>

<button class="btn btn-warning" data-toggle="modal" data-target="#editModal" id="btnEdit">Edit</button>

<button class="btn btn-danger" id="btnDelete">Delete</button>

</td>

</tr>

@endforeach

</tbody>

</table>

<input type="hidden" name="hidden\_view" id="hidden\_view" value="{{url('crud/view')}}">

<input type="hidden" name="hidden\_delete" id="hidden\_delete" value="{{url('crud/delete')}}">

<!-- Add Modal start -->

<div class="modal fade" id="addModal" role="dialog">

<div class="modal-dialog">

<!-- Modal content-->

<div class="modal-content">

<div class="modal-header">

<button type="button" class="close" data-dismiss="modal">&times;</button>

<h4 class="modal-title">Add Record</h4>

</div>

<div class="modal-body">

<form action="{{ url('crud') }}" method="post">

{{ csrf\_field() }}

<div class="form-group">

<div class="form-group">

<label for="first\_name">First Name:</label>

<input type="text" class="form-control" id="first\_name" name="first\_name">

</div>

<div class="form-group">

<label for="last\_name">Last Name:</label>

<input type="text" class="form-control" id="last\_name" name="last\_name">

</div>

<label for="email">Email address:</label>

<input type="email" class="form-control" id="email" name="email">

</div>

<button type="submit" class="btn btn-default">Submit</button>

</form>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- add code ends -->

<!-- View Modal start -->

<div class="modal fade" id="viewModal" role="dialog">

<div class="modal-dialog">

<!-- Modal content-->

<div class="modal-content">

<div class="modal-header">

<button type="button" class="close" data-dismiss="modal">&times;</button>

<h4 class="modal-title">View</h4>

</div>

<div class="modal-body">

<p><b>First Name : </b><span id="view\_fname" class="text-success"></span></p>

<p><b>Last Name : </b><span id="view\_lname" class="text-success"></span></p>

<p><b>Email : </b><span id="view\_email" class="text-success">bhaskar.panja@quadone.com</span></p>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- view modal ends -->

<!-- Edit Modal start -->

<div class="modal fade" id="editModal" role="dialog">

<div class="modal-dialog">

<!-- Modal content-->

<div class="modal-content">

<div class="modal-header">

<button type="button" class="close" data-dismiss="modal">&times;</button>

<h4 class="modal-title">Edit</h4>

</div>

<div class="modal-body">

<form action="{{ url('crud/update') }}" method="post">

{{ csrf\_field() }}

<div class="form-group">

<div class="form-group">

<label for="edit\_first\_name">First Name:</label>

<input type="text" class="form-control" id="edit\_first\_name" name="edit\_first\_name">

</div>

<div class="form-group">

<label for="edit\_last\_name">Last Name:</label>

<input type="text" class="form-control" id="edit\_last\_name" name="edit\_last\_name">

</div>

<label for="edit\_email">Email address:</label>

<input type="email" class="form-control" id="edit\_email" name="edit\_email">

</div>

<button type="submit" class="btn btn-default">Update</button>

<input type="hidden" id="edit\_id" name="edit\_id">

</form>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Edit code ends -->

</div>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>

<script type="text/javascript" src="{!! asset('js/crud.js') !!}"></script>

</body>

</html>

|  |  |
| --- | --- |
|  |  |

**Criando Requisições AJAX com Laravel e Jquery**

Criar em Public/js/crud.js

var GerenciamentoCrud = {

buscarPorId: function () {

var view\_url = $("#hidden\_view").val();

$.ajax({

url: view\_url,

type:"GET",

data: {"id":$("#idHidden").val()},

success: function(result){

$("#view\_fname").text(result.first\_name);

$("#view\_lname").text(result.last\_name);

$("#view\_email").text(result.email);

}

});

},

editar: function(){

var view\_url = $("#hidden\_view").val();

$.ajax({

url: view\_url,

type:"GET",

data: {"id":$("#idHidden").val()},

success: function(result){

//console.log(result);

$("#edit\_id").val(result.id);

$("#edit\_first\_name").val(result.first\_name);

$("#edit\_last\_name").val(result.last\_name);

$("#edit\_email").val(result.email);

}

});

},

deletar: function(){

var conf = confirm("Are you sure want to delete??");

if(conf){

var delete\_url = $("#hidden\_delete").val();

$.ajax({

url: delete\_url,

type:"POST",

data: {"id":$("#idHidden").val(),\_token: $('input[name="\_token"]').val()},

success: function(response){

alert(response);

location.reload();

}

});

}

else{

return false;

}

}

};

$(document).ready(function() {

$("body").on("click", "#btnView", GerenciamentoCrud.buscarPorId)

$("body").on("click", "#btnEdit", GerenciamentoCrud.editar);

$("body").on("click", "#btnDelete", GerenciamentoCrud.deletar);

});