

How to implement a Laravel 5 Rating System

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Here i will show you how to build a star-rating system in your laravel 5.5 web application. In this example i have installed laravel ratable composer package and created posts table in php myadmin . So you have to follow below simple steps and you will get preview as the screen shots at the end of this page..

step 1 (install laravel 5.+ application)

first you have to install laravel 5.5 application. You can install laravel via laravel installer or via laravel create- project.

- **via laravel installer**

- first download the laravel installer using composer. Using

```
composer global require laravel/installer
```

- Now you can create the project using the below command.

```
laravel new blog
```

- **via Composer create - project**

- Open your terminal and run below command .It will create a new project called blog

```
composer create-project --prefer-dist laravel/laravel blog
```

now run the below command on your terminal to start development

server at <http://localhost:8000>

```
php artisan serve
```

step 2 (install composer rateable package package)

Now install composer rateable package to your project using bellow command.

```
composer require willvincent/laravel-rateable
```

After that you have to add the following provider into providers array of configuration file in config/app.php.

```
<?php
return [
    ....
    'providers'=>[
        willvincent\Rateable\RateableServiceProvider::class,
    ],
    .....
```

After the rateable package correctly installed we need to generate the migration by running the following command on the the terminal.

```
php artisan rateable:migration
```

Next require to run the new generated migration by using following command.

```
php artisan migrate
```

step 3 (Generate default auth)

Next create the default auth using below command.

```
php artisan make:auth
```

step 4 (Create posts table and model)

For the next step we should create a posts table using laravel 5.+ php artisan command.

```
php artisan make:migration create_posts_table
```

After the above command ran, we will find one file in the following path **database/migrations** and you have to put below code in your migration file to create posts table.

```
<?php
use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class CreatePostsTable extends Migration
{
    public function up()
    {
        Schema::create('posts', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->timestamps();
        });
    }

    public function down()
    {
        Schema::dropIfExists('posts');
    }
}
```

important:- Do not keep any space at the top. The first line must be <?php .
Next you need to create a model for 'posts' table. Just run the below command.

```
php artisan make:model Post
```

After running above command you will see a **app/Post.php** and put below code in Post.php file.

```
<?php

namespace App;
use Illuminate\Database\Eloquent\Model;
use willvincent\Rateable\Rateable;

class Post extends Model
{
    use Rateable;
}
```

step 5(Create controller method)

In this step we will create three methods called rate(),ratings(),show() in home controller. But you can add these methods anywhere according to your requirements.

```
<?php

namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Post;

class HomeController extends Controller
{
    public function __construct()
    {
        $this->middleware('auth');
    }
}
```

```

public function index()
{
    return view('home');
}

public function posts()
{
    $posts = Post::all();
    return view('posts', compact('posts'));
}

public function show($id)
{
    $post = Post::find($id);
    return view('postsShow', compact('post'));
}

public function postPost(Request $request)
{
    request()->validate(['rate' => 'required']);
    $post = Post::find($request->id);
    $rating = new \willvincent\Rateable\Rating;
    $rating->rating = $request->rate;
    $rating->user_id = auth()->user()->id;
    $post->ratings()->save($rating);
    return redirect()->route("posts");
}
}

```

step 6(Create blade files)

Let's create two blade files, one to make view page for rating and another one for listing average rating for all posts.

- create a blade file in **resources/views/posts.blade.php**

```
@extends('layouts.app')
@section('content')

<div class="container">
    <div class="row">
        <div class="col-md-12">
            <div class="panel panel-default">
                <div class="panel-heading">Posts</div>
                <div class="panel-body">
                    <table class="table table-bordered">
                        <tr>
                            <th>Id</th>
                            <th>Name</th>
                            <th width="400px">Star</th>
                            <th width="100px">View</th>
                        </tr>
                        @if($posts->count())
                            @foreach($posts as $post)
                                <tr>
                                    <td>{{ $post->id }}</td>
                                    <td>{{ $post->name }}</td>
                                    <td>
                                        <input id="input-1"
                                        name="input-1" class="rating rating-loading" data-min="0" data-
                                        max="5" data-step="0.1" value="{{ $post->averageRating }}" data-
                                        size="xs" disabled="">
                                    </td>
                                    <td>
                                        <a href="{{
                                        route('posts.show',$post->id) }}" class="btn btn-primary btn-
                                        sm">View</a>
                                    </td>
                                </tr>
                            @endforeach
                        @endif
                    </table>
                </div>
            </div>
        </div>
    </div>
</div>
```



```
<div class="tab-pane
active" id="pic-1"></div>
</div>
</div>
<div class="details col-md-6">
<h3 class="product-
title">Laravel 5.5 Rating System</h3>
<div class="rating">
<input id="input-1"
name="rate" class="rating rating-loading" data-min="0" data-max="5"
data-step="1" value="{{ $post->userAverageRating }}" data-
size="xs">
<input type="hidden"
name="id" required="" value="{{ $post->id }}">
<br/>
<button class="btn btn-
success">Submit Review</button>
</div>
</div>
</div>
</div>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<script type="text/javascript">
$("#input-id").rating();
</script>
```


@endsection

step 7(Create new routes)

Next step is adding routes to **routes/web.php** file. Add following routes to that file.

```
Route::get('posts', 'HomeController@posts')->name('posts');

Route::post('posts', 'HomeController@postPost')->name('posts.post')
;

Route::get('posts/{id}', 'HomeController@show')->name('posts.show')
;
```

step 8(Create CSS file)

The next step is adding CSS files. Add the following CSS file links to the

resources/views/layouts/app.blade.php

```
<link href="http://netdna.bootstrapcdn.com/bootstrap/3.3.6/css/boot
strap.css" rel="stylesheet">

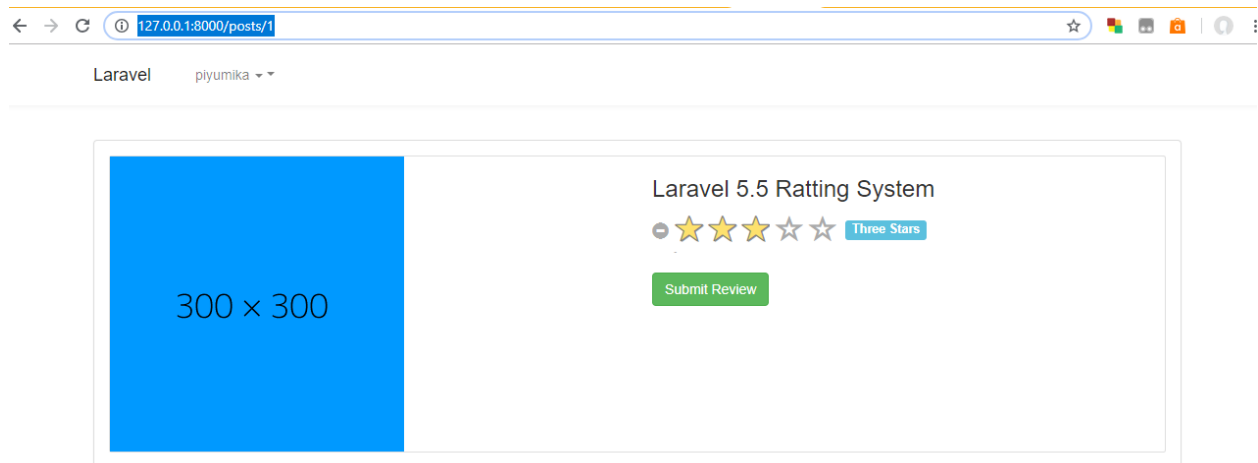
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs
/bootstrap-star-rating/4.0.2/css/star-rating.min.css" />

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jq
uery.js"></script>

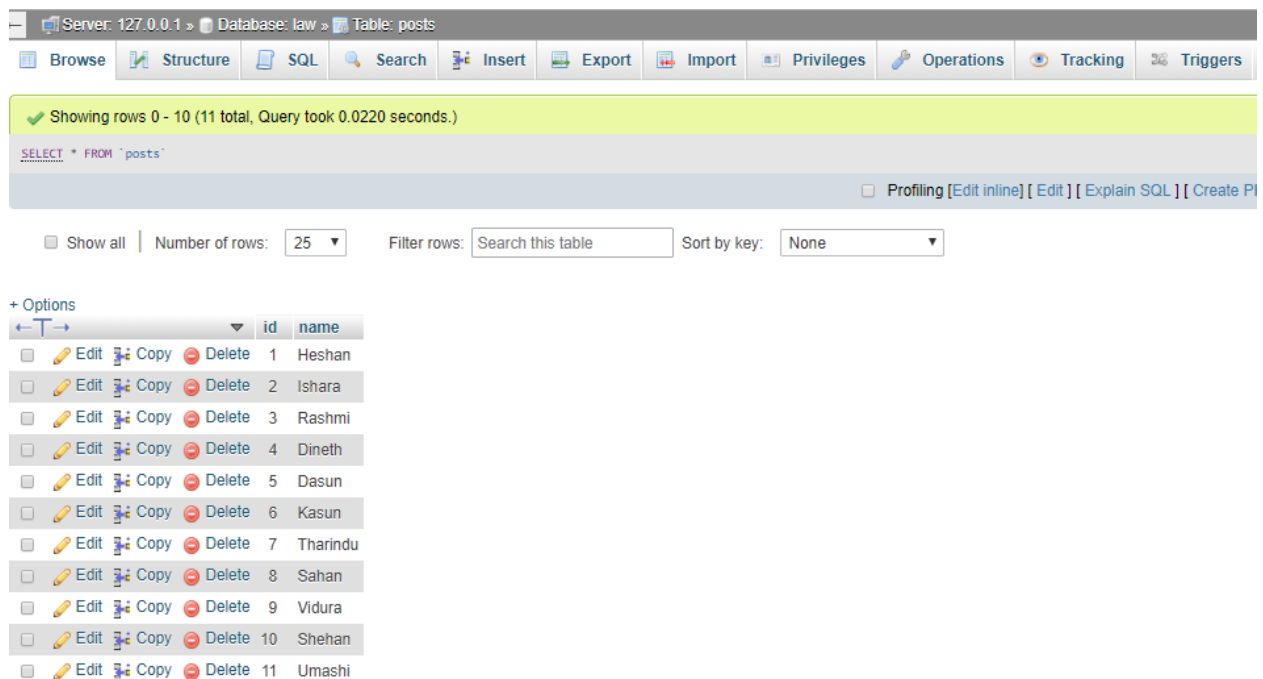
<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-star-
rating/4.0.2/js/star-rating.min.js"></script>
```

Use **http://127.0.0.1:8000/posts/1** to view the postsShow.blade.php after login to the ap
plication. Then you can view the postsShow.blade.php as below.

Now we have done all the things...After doing all these you can see the the post table as below.



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When you submit a rate it will automatically render to the posts.blade.php view file. It will look like below

Posts			
Id	Name	Star	View
1	Heshan	<div><div>⊖</div><div><div>★</div><div>★</div><div>★</div><div>☆</div><div>☆</div></div><div>2.8 Stars</div></div>	View
2	Ishara	<div><div>⊖</div><div><div>★</div><div>★</div><div>☆</div><div>☆</div><div>☆</div></div><div>2.3 Stars</div></div>	View
3	Rashmi	<div><div>⊖</div><div><div>★</div><div>☆</div><div>☆</div><div>☆</div><div>☆</div></div><div>One Star</div></div>	View
4	Dineth	<div><div>⊖</div><div><div>★</div><div>★</div><div>☆</div><div>☆</div><div>☆</div></div><div>Two Stars</div></div>	View
5	Dasun	<div><div>⊖</div><div><div>★</div><div>★</div><div>★</div><div>☆</div><div>☆</div></div><div>Three Stars</div></div>	View
6	Kasun	<div><div>⊖</div><div><div>★</div><div>★</div><div>★</div><div>★</div><div>☆</div></div><div>Four Stars</div></div>	View
7	Tharindu	<div><div>⊖</div><div><div>★</div><div>★</div><div>★</div><div>★</div><div>★</div></div><div>Five Stars</div></div>	View
8	Sahan	<div><div>⊖</div><div><div>★</div><div>☆</div><div>☆</div><div>☆</div><div>☆</div></div><div>One Star</div></div>	View