

LARAVEL SPATIE PERMISSIONS STEPS

1. `composer create-project laravel/laravel laravel-perms`
2. `cd laravel-perms`
3. create database `test-permissions` default charset utf8 collate utf8_general_ci;
4. set .env file
5. install SPATIE LARAVEL PERMISSIONS
`composer require spatie/laravel-permission`

FORTIFY

6. `composer require laravel/fortify`
7. `php artisan vendor:publish --provider="Laravel\Fortify\FortifyServiceProvider"`
8. `composer require laravel/jetstream`
9. `php artisan jetstream:install livewire`
10. `npm install`
11. config/app.php file:
in the providers array write the below line
`Spatie\Permission\PermissionServiceProvider::class,`

You should publish the migration and the config/permission.php config file with:

12. `php artisan vendor:publish --provider="Spatie\Permission\PermissionServiceProvider"`
13. `php artisan migrate`
14. The `vendor:publish` command discussed above will also publish the `App\Providers\FortifyServiceProvider` class.
You should ensure this class is registered within the providers array of your application's config/app.php configuration file.
15. to clear cache and other config cache
`php artisan cache:clear`
16. `vendor/laravel/fortify/routes`
file where fortify makes its own routes related to user login and logout

17. in web.php change the / route to

```
Route::get('/', function () {  
    return redirect(route('login'));  
});
```

18. enclose all other routes in web.php inside

```
Route::middleware('auth:web', 'verified')->group(function () {  
  
});
```

19. now register a user

name : your user name

email : someemail@domain.com

password : some strong password

20. dashboard is in app\providers\RouteServiceProvider

```
public const HOME = '/dashboard';
```

21. where is the authentication

app/providers/FortifyServiceProvider

write the below two lines in the imports of the above class

```
use App\Models\User;
```

```
use Illuminate\Support\Facades\Hash;
```

in the boot method write the following code

```
Fortify::authenticateUsing(function (Request $request) {  
    $user = User::where('email', $request->email)  
        ->first();  
    if ($user && (Hash::check($request->password, $user->password))) {  
        return $user;  
    }  
});
```

22. in app/providers/AuthServiceProviders

in the boot method after registerpolicies()

paste the following code

```
Gate::before(function ($user, $ability) {  
    return $user->hasRole('Super Admin') ? true : null;  
});
```

uncomment the use Illuminate\Support\Facades\Gate;

import line

23. in the app/http

make a new folder named Responses

24. paste LoginResponse.php and LogoutResponse.php file inside

25. in the import section of `\vendor\laravel\fortify\src\Http\Controllers\AuthenticatedSessionController` add below lines
use `App\Http\Responses>LoginResponse` as `CustomLoginResponse`;
use `App\Http\Responses\LogoutResponse` as `CustomLogoutResponse`;

26. in `vendor\laravel\fortify\src\Http\Controllers\AuthenticatedSessionController` inside `store()` method inside `loginPipeline` callback function replace the return line by following line
`return app(CustomLoginResponse::class);`

27. in the same `AuthenticatedSessionController` class `destroy` method write the following line
`return app(CustomLogoutResponse::class);`

28. now, lets register the following 3 roles
super admin, data entry, accounts
insert into ``roles`(`name`, `guard_name`, `created_at`, `updated_at`)`
values
(`'Super Admin', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),
(`'Data Entry', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),
(`'Accounts', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`);

29. now lets register the permissions add customer, view customer, update customer add customer payments, customer payment history

insert into ``permissions`(`name`, `guard_name`, `created_at`, `updated_at`)`
values
(`'add customer', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),
(`'view customer', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),
(`'update customer', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),

(`'add customer payments', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`),
(`'customer payment history', 'web', '2023-02-28 15:03:03', '2023-02-28 15:03:03'`);

30. `role_has_permissions`
2 is the id of data entry
add customer, view customer, update customer

insert into ``role_has_permissions`(`role_id`, `permission_id`)`
values(`2, 1`), (`2, 2`), (`2, 3`);

3 is for accounts
add customer payments, customer payment history

insert into ``role_has_permissions`(`role_id`, `permission_id`)`
values(`3, 4`), (`3, 5`);

32. which user has which role

we have to insert a row in model_has_roles table

role id = 2

model_id = 1

```
insert into `model_has_roles`(`role_id`, `model_type`, `model_id`)  
values('2', 'App\\Models\\User', 1);
```

33. now include

use HasRoles;

in user model class

also in imports section of User class add the below line

```
use Spatie\Permission\Traits\HasRoles;
```

34. to test permissions make a new controller with a method make a route for it write below line in

imports section of test controller class

```
use Illuminate\Support\Facades\Auth;
```

END