

Laravel - Validation

Topics : [Laravel](#)

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In Laravel, validation is a crucial aspect of building robust and secure web applications. Laravel provides a powerful and expressive validation system that makes it easy to validate incoming request data. Here's a guide on working with validation in Laravel:

1. Validation in Controllers:

In your controller methods, you can use the `validate` method to perform validation on incoming requests.

```
use Illuminate\Http\Request;

public function store(Request $request)
{
    $validatedData = $request->validate([
        'name' => 'required|string|max:255',
        'email' => 'required|email|unique:users',
        'password' => 'required|min:8',
    ]);

    // The request data is now validated and available in $validatedData
    // Process the form data
}
```

2. Validation Error Messages:

Laravel automatically redirects the user back to the previous page with validation error messages if validation fails. You can display these messages in your Blade views.

```
@if ($errors->any())
    <div class="alert alert-danger">
        <ul>
            @foreach ($errors->all() as $error)
                <li>{{ $error }}</li>
            @endforeach
        </ul>
    </div>
@endif
```

3. Manually Creating Validators:

You can manually create a validator instance if you need more control over the validation process.

```
use Illuminate\Support\Facades\Validator;

$validator = Validator::make($request->all(), [
    'name' => 'required|string|max:255',
    'email' => 'required|email|unique:users',
    'password' => 'required|min:8',
]);

if ($validator->fails()) {
    return redirect('form')
        ->withErrors($validator)
        ->withInput();
}

// Process the form data
```

4. Custom Validation Rules:

You can create custom validation rules to suit your application's specific needs.

```
use Illuminate\Validation\Rule;

$validator = Validator::make($request->all(), [
    'status' => [
        'required',
        Rule::in(['active', 'inactive']),
    ],
]);

// Process the form data
```

5. Form Request Validation:

You can create form request classes that handle validation. These classes are generated using Artisan.

```
php artisan make:request StorePostRequest
```

Then, in your StorePostRequest class:

```
public function rules()
{
    return [
        'title' => 'required|string|max:255',
    ];
}
```

```
        'content' => 'required|string',
    ];
}
```

6. Custom Error Messages:

You can customize validation error messages by adding a `messages` method to your form request or validator.

```
public function messages()
{
    return [
        'name.required' => 'The name field is required.',
        'email.unique' => 'The email address is already in use.',
    ];
}
```

7. Validation with Rule Objects:

You can use rule objects for more complex validation scenarios.

```
use Illuminate\Validation\Rule;

$validator = Validator::make($request->all(), [
    'email' => [
        'required',
        Rule::unique('users')->ignore($user->id),
    ],
]);

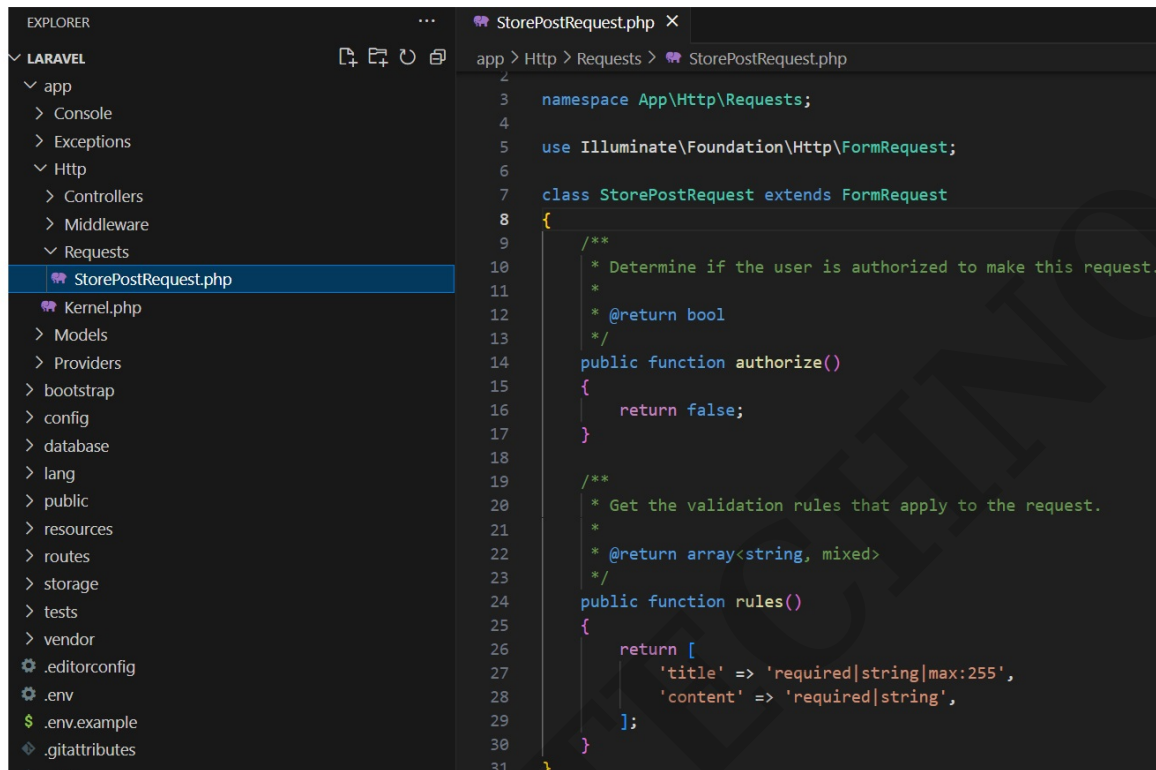
// Process the form data
```

```
: \xampp\htdocs\laravel>php artisan make:controller ValidationController
```

```
INFO Controller [D:\xampp\htdocs\laravel\app\Http\Controllers\ValidationController.php] created successfully.
```

```
: \xampp\htdocs\laravel>php artisan make:request StorePostRequest
```

```
INFO Request [D:\xampp\htdocs\laravel\app\Http\Requests/StorePostRequest.php] created successfully.
```



```
2
3 namespace App\Http\Requests;
4
5 use Illuminate\Foundation\Http\FormRequest;
6
7 class StorePostRequest extends FormRequest
8 {
9     /**
10      * Determine if the user is authorized to make this request.
11      *
12      * @return bool
13      */
14     public function authorize()
15     {
16         return false;
17     }
18
19     /**
20      * Get the validation rules that apply to the request.
21      *
22      * @return array<string, mixed>
23      */
24     public function rules()
25     {
26         return [
27             'title' => 'required|string|max:255',
28             'content' => 'required|string',
29         ];
30     }
31 }
```

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