

# REQUEST MIDDLEWARE

## Understanding over the middleware structure

● ● ● CheckRequestDetails.php

```
1 <?php
2 namespace App\Http\Middleware;
3 use Closure;
4 use Illuminate\Http\Request;
5 use Symfony\Component\HttpFoundation\Response;
6 class CheckRequestDetails
7 {
8     /**
9      * Handle an incoming request.
10     *
11     * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response) $next
12     */
13    public function handle(Request $request, Closure $next): Response
14    {
15        return $next($request);
16    }
17 }
18 }
```



# REQUEST MIDDLEWARE

## Check Request Header Inside Middleware

● ● ● web.php

```
2 use App\Http\Controllers\DemoController;
3 use App\Http\Middleware\CheckRequestDetails;
4 use Illuminate\Support\Facades\Route;
5 Route::post('/DemoAction', [DemoController::class, 'DemoAction'])->middleware([CheckRequestDetails::class]);
```

● ● ● CheckRequestDetails.php

```
13 public function handle(Request $request, Closure $next): Response
14 {
15     $key= $request->header('key');
16     if($key=="123"){
17         return $next($request);
18     }
19     else{
20         return response()->json("unauthorized",401);
21     }
22 }
```

# REQUEST MIDDLEWARE

## ■ Redirect Request From Middleware

● ● ● CheckRequestDetails.php

```
13     public function handle(Request $request, Closure $next): Response
14     {
15         if($request->header('key')=="123"){
16             return $next($request);
17         }
18         else{
19             return redirect('/');
20         }
21     }
```

# REQUEST MIDDLEWARE

## Apply For Specific Route

```
Route::get('/DemoAction', [DemoController::class, 'DemoAction'])->middleware([CheckRequestDetails::class]);
```

## Apply For Route Group

● ● ● web.php

```
6     Route::middleware(['CheckRequestDetails'])->group(function () {
7         Route::get('/DemoAction1', [DemoController::class, 'DemoAction']);
8         Route::get('/DemoAction2', [DemoController::class, 'DemoAction']);
9         Route::get('/DemoAction3', [DemoController::class, 'DemoAction']);
10    });
11    Route::get('/DemoAction4', [DemoController::class, 'DemoAction']);
```

● ● ● Kernel.php

```
55     protected $middlewareAliases = [
56         'CheckRequestDetails' => \App\Http\Middleware\CheckRequestDetails::class,
```

# REQUEST MIDDLEWARE

## Apply For Whole Application

Kernel.php

```
31     protected $middlewareGroups = [
32         'web' => [
33             \App\Http\Middleware\CheckRequestDetails::class,
34             \App\Http\Middleware\EncryptCookies::class,
35             \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
36             \Illuminate\Session\Middleware\StartSession::class,
37             \Illuminate\View\Middleware\ShareErrorsFromSession::class,
38             // \App\Http\Middleware\VerifyCsrfToken::class,
39             \Illuminate\Routing\Middleware\SubstituteBindings::class,
40         ],
41
42         'api' => [
43             \App\Http\Middleware\CheckRequestDetails::class,
44             // \Laravel\Sanctum\Http\Middleware\EnsureFrontendRequestsAreStateful::class,
45             \Illuminate\Routing\Middleware\ThrottleRequests::class.'api',
46             \Illuminate\Routing\Middleware\SubstituteBindings::class,
47         ],
48     ];
```

# REQUEST MIDDLEWARE

- Manipulate (ADD) Request Details Inside Middleware

```
$request->headers->set('key3', 'variable3');
```

- Manipulate (Remove) Request Details Inside Middleware

```
$request->request->remove('name');
```

- Manipulate (Replace) Request Details Inside Middleware

```
$request->headers->replace(['name'=>'XXX', 'age'=>100]);
```

# REQUEST RATE LIMITING

Inside Kernel file middlewaregroup

Kernel.php

```
31     protected $middlewareGroups = [
32         'web' => [
33             'throttle:60,1',
34             \App\Http\Middleware\EncryptCookies::class,
35             \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
36             \Illuminate\Session\Middleware\StartSession::class,
37             \Illuminate\View\Middleware\ShareErrorsFromSession::class,
38             // \App\Http\Middleware\VerifyCsrfToken::class,
39             \Illuminate\Routing\Middleware\SubstituteBindings::class,
40         ],
41         'api' => [
42             'throttle:60,1',
43             // \Laravel\Sanctum\Http\Middleware\EnsureFrontendRequestsAreStateful::class,
44             \Illuminate\Routing\Middleware\ThrottleRequests::class.':api',
45             \Illuminate\Routing\Middleware\SubstituteBindings::class,
46         ],
47     ];
```

# REQUEST RATE LIMITING

- For Specific Routing End Point

● ● ● web.php

```
1 <?php
2 use App\Http\Controllers\DemoController;
3 use Illuminate\Support\Facades\Route;
4 Route::post('/DemoAction', [DemoController::class, 'DemoAction'])->middleware('throttle:5,1');
5
```