REQUEST MIDDLEWARE

Understanding over the middleware structure

```php
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
```

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REQUEST MIDDLEWARE

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🟦 Check Request Header Inside Middleware

web.php

```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

```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

```php
● ● ●     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

Learn with Rabbil

■ Apply For Specific Route

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

■ Apply For Route Group

web.php

```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

```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

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

- Manipulate (Remove) Request Details Inside Middleware

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

- Manipulate (Replace) Request Details Inside Middleware

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

REQUEST RATE LIMITING

■ Inside Kernel file middlewaregroup

```php
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

```php
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
```