

Prince Louis M. Jaylo
BSIT 3-C
IT ELEC 1 – Web Development
Documentation (Individual) Lab – 4 (Middleware)

10/06/24

Take screenshots of your Blade template files, routing configuration, and the rendered web pages.

goTologin.blade.php

The image displays a code editor with the file `goTologin.blade.php` open. The code is a Blade template for a login form. It includes a title section, a main content section with a background blur, and a single login form. The form has a username input field with a placeholder "Enter your name" and a required pattern "[A-Za-z]*". It also has a birthday input field with a placeholder "Enter your birthday" and a required pattern "1900-01-01". Both fields have error messages displayed below them. The code is as follows:

```
1 @extends('Components.Layout')
2
3 @section('title', 'Log in')
4
5 @section('content')
6 <main class="login-main">
7   <div class="background-blur"></div>
8   <div class="login-container">
9     <h1>Login</h1>
10
11     <!-- Single login form -->
12     <form id="loginForm" action="/homepage" method="POST">
13       @csrf
14       <!-- Username input -->
15       <input type="text" name="username" placeholder="Enter your name" value="{{ old('username') }}" required pattern="[A-Za-z]*" title="Only letters" />
16
17       @if ($errors->has('username'))
18         <div class="error-message" style="color: red;">
19           {{ $errors->first('username') }}
20         </div>
21       @endif
22
23       <!-- Age confirmation -->
24       <div id="ageconfirmation">
25         <label for="birthday">Enter your birthday:</label>
26       </div>
27
28       <!-- Birthdate input -->
29       <div id="birthdayInput">
30         <input type="date" name="birthday" id="birthday" min="1900-01-01" required />
31
32         @if ($errors->has('birthday'))
33           <div class="error-message">
34             {{ $errors->first('birthday') }}
35           </div>
36         @endif
37       </div>
38     </form>
39   </div>
40 </main>
41 @endsection
```

The browser preview shows the rendered login form. The form is titled "Login" and is set against a background image of a cozy cafe. The username field contains the text "PrinceLouisJaylo". The birthday field is labeled "Enter your birthday:" and contains the date "21/01/2007". A "Login" button is at the bottom of the form.

homepage.blade.php

EXPLORER

GROUPNO.BLAB4

app

Http

Controllers

Controller.php

Middleware

CheckAge.php

LogRequests.php

Kernel.php

Models

Providers

bootstrap

config

database

public

resources

css

js

views

Components

aboutus.blade.php

accessDenied.blade.p...

contactus.blade.php

goTologin.blade.php

homepage.blade.php

menu.blade.php

restrictedArea.blade.p...

routes

storage

tests

vendor

OUTLINE

TIMELINE

resources > views > homepage.blade.php > ...

```
1 <!-- resources/views/homepage.blade.php -->
2 @extends('Components.Layout')
3
4 @section('title', 'Home Page')
5
6 @section('content')
7     <section class="hero">
8         <div class="home-bg-blur"></div>
9         <div class="home-content">
10             <h1>Welcome to Robiel Prince Café {{ $username }}!</h1>
11             <h2>Where every bite is a <span>little joy.</span></h2>
12             <p>Savor light meals, delightful snacks, and a cozy atmosphere crafted just for you.</p>
13         </div>
14     </section>
15
16     <section class="home-heading">
17         <div class="heading">Our <span>Features</span></div>
18
19         <div class="feature">
20             <div class="feature-box">
21                 
22                 <h3>Morning Delights & Snack Staples</h3>
23                 <p>
24                     Start your day with our comforting breakfast classics or enjoy a quick, energizing snack.
25                     At Robiel Prince Café, we offer a delicious selection that balances taste and quality, perfect for any craving.
26                     Dive into our menu and discover your new favorite bite!
27                 </p>
28             </div>
29
30             <div class="feature-box">
31                 
32                 <h3>Delicious Meals & Free Soup</h3>
33                 <p>
34                     Enjoy our fresh, flavorful lunch and dinner options, paired with a complimentary Soup of the Day.
35                     Whether you're after a quick bite or a relaxed meal,
36                     we've got something to satisfy every craving.
37                 </p>
38             </div>
39         </div>
40     </section>
41 </div>
```

Ln 1, Col 1

Spaces: 4

UTF-8

CRLF

Blade

Go Live

AI Code Chat

My Website - Home Page

127.0.0.1:8000/homepage/PrinceLouisJaiyo

Robiel Prince Café

Home Menu About Us Contact Us


Search Shopping Cart User

Welcome to Robiel Prince Café PrinceLouisJaiyo!


Where every bite is a little joy.

Savor light meals, delightful snacks, and a cozy atmosphere crafted just for you.


Our Features



Morning Delights & Snack Staples



Delicious Meals & Free Soup



Refreshing Drinks & Beverages

ENG US

8:49 am

06/10/2024

dashboard.blade.php

The screenshot displays a web development environment with a code editor and a browser preview.

Code Editor:

- Explorer:** Shows the project structure for **GROUPNO.8LAB4**, including **app**, **Http**, **Controllers**, **Middleware**, **CheckAge.php**, **LogRequests.php**, **Kernel.php**, **Models**, **Providers**, **bootstrap**, **config**, **database**, **public**, **resources**, **css**, **js**, **views**, **Components**, and **aboutus.blade.php**.
- Code:** The **restrictedArea.blade.php** file is open, showing the following HTML structure:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Restricted-Area</title>
7   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@11/swiper-bundle.min.css"/>
8   <link rel="stylesheet" href="{{ asset('css/style.css') }}">
9   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.6.0/css/all.min.css">
10 </head>
11 <body>
12   @include('Components.Layout')
13   <div class="restricted-main">
14     <div class="restricted-page">
15       <h1>Welcome, {{ $username }}, to our restricted page.</h1>
16     </div>
17   </div>
18   <!-- Prevent the footer from showing -->
19   @php
20     $hideFooter = true;
21   @endphp
22 </body>
23 </html>
```

Browser Preview:

- Address Bar:** `127.0.0.1:8000/restrictedArea/PrinceLouisJaylo`
- Page Header:** **Robiel Prince Café** with navigation links: [Home](#), [Menu](#), [About Us](#), [Contact Us](#). Search, shopping cart, and user icons are also present.
- Content:** A dark gray background with a central message box:

⚠ Welcome, PrinceLouisJaylo, to our restricted page.

The Windows taskbar at the bottom shows the system time as 8:50 am on 06/10/2024.

accessDenied.blade.php

The image shows a development environment with a code editor and a web browser. The code editor displays the content of `accessDenied.blade.php`, which is an HTML template for an access denied page. The browser shows the rendered output of this template at the URL `127.0.0.1:8000/accessDenied`.

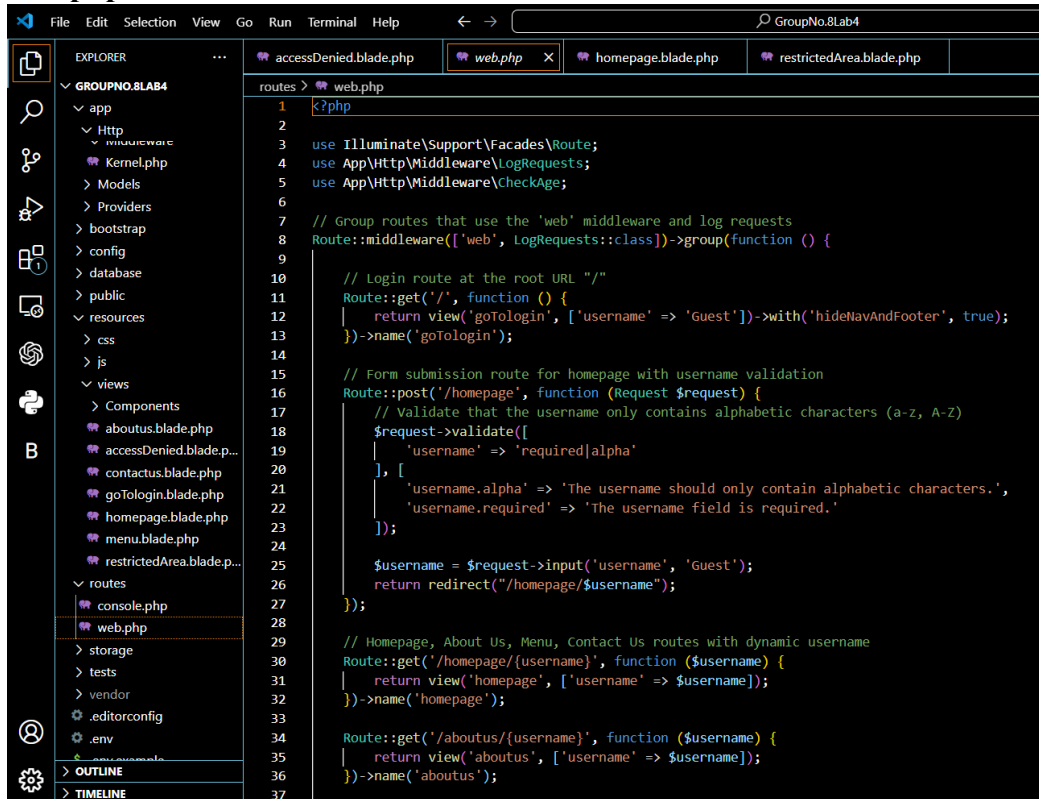
Code Editor Content:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Access Denied</title>
7   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.6.0/css/all.min.css">
8   <link rel="stylesheet" href="{{ asset('css/style.css') }}">
9 </head>
10 <body>
11   <main class="denied-site">
12     <div class="denied-content">
13       <i class="fa-solid fa-user-lock"></i>
14       <h1>Access Denied</h1>
15       <p>You must be 18 years old or older to access this page.</p>
16     </div>
17     <!-- Back button to redirect to login page -->
18     <button onclick="window.location.href='{{ url('goTologin') }}'">Back to Login</button>
19   </main>
20 </body>
21 </html>
```

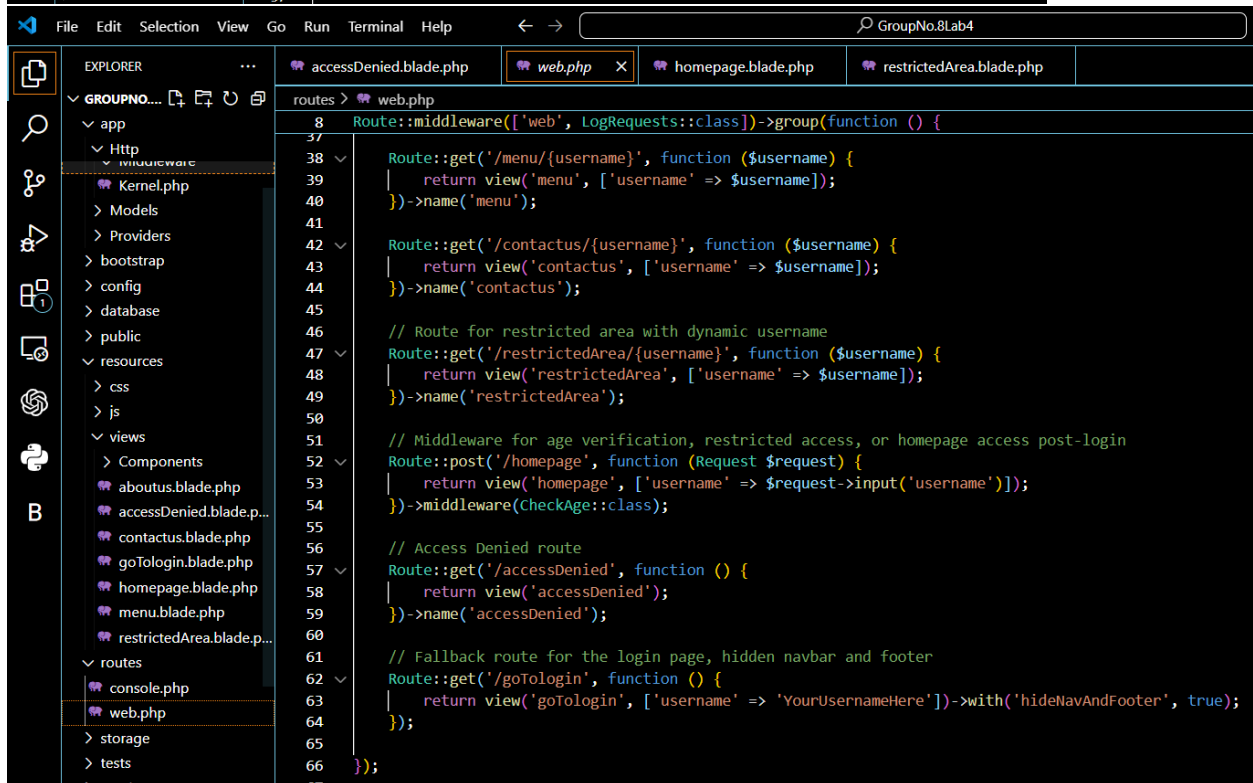
Browser Content:

The browser displays the rendered page at `127.0.0.1:8000/accessDenied`. The page features a red icon of a person with a padlock, the heading "Access Denied", the message "You must be 18 years old or older to access this page.", and a "Back to Login" button.

web.php



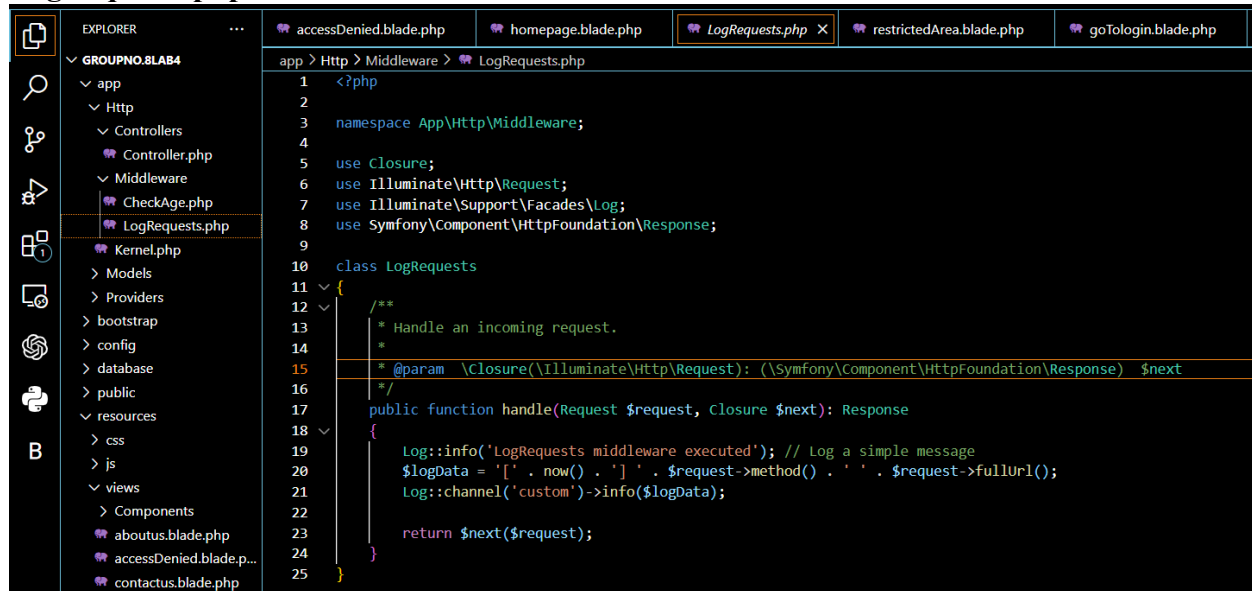
```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Middleware\LogRequests;
5 use App\Http\Middleware\CheckAge;
6
7 // Group routes that use the 'web' middleware and log requests
8 Route::middleware(['web', LogRequests::class])->group(function () {
9
10     // Login route at the root URL "/"
11     Route::get('/', function () {
12         | return view('goTologin', ['username' => 'Guest'])->with('hideNavAndFooter', true);
13     })->name('goTologin');
14
15     // Form submission route for homepage with username validation
16     Route::post('/homepage', function (Request $request) {
17         // Validate that the username only contains alphabetic characters (a-z, A-Z)
18         $request->validate([
19             'username' => 'required|alpha'
20         ], [
21             'username.alpha' => 'The username should only contain alphabetic characters.',
22             'username.required' => 'The username field is required.'
23         ]);
24
25         $username = $request->input('username', 'Guest');
26         return redirect("/homepage/$username");
27     });
28
29     // Homepage, About Us, Menu, Contact Us routes with dynamic username
30     Route::get('/homepage/{username}', function ($username) {
31         | return view('homepage', ['username' => $username]);
32     })->name('homepage');
33
34     Route::get('/aboutus/{username}', function ($username) {
35         | return view('aboutus', ['username' => $username]);
36     })->name('aboutus');
37
38 }
```



```
37
38 Route::get('/menu/{username}', function ($username) {
39     | return view('menu', ['username' => $username]);
40 })->name('menu');
41
42 Route::get('/contactus/{username}', function ($username) {
43     | return view('contactus', ['username' => $username]);
44 })->name('contactus');
45
46 // Route for restricted area with dynamic username
47 Route::get('/restrictedArea/{username}', function ($username) {
48     | return view('restrictedArea', ['username' => $username]);
49 })->name('restrictedArea');
50
51 // Middleware for age verification, restricted access, or homepage access post-login
52 Route::post('/homepage', function (Request $request) {
53     | return view('homepage', ['username' => $request->input('username')]);
54 })->middleware(CheckAge::class);
55
56 // Access Denied route
57 Route::get('/accessDenied', function () {
58     | return view('accessDenied');
59 })->name('accessDenied');
60
61 // Fallback route for the login page, hidden navbar and footer
62 Route::get('/goTologin', function () {
63     | return view('goTologin', ['username' => 'YourUsernameHere'])->with('hideNavAndFooter', true);
64 });
65
66 });
67
68 }
```

Registration and use of global middleware, middleware parameters, terminable middleware.

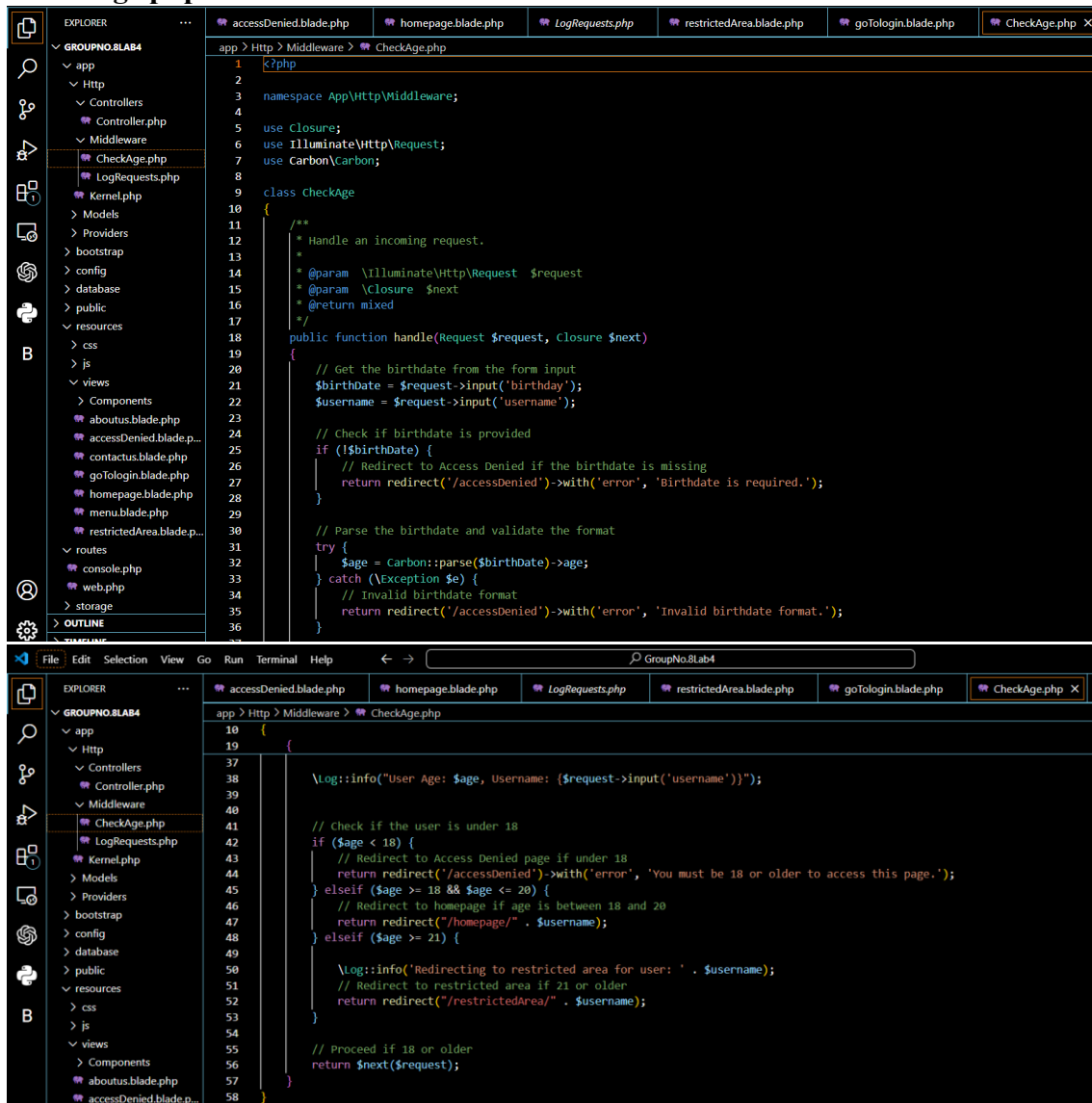
LogRequests.php Middleware:



```
1 <?php
2
3 namespace App\Http\Middleware;
4
5 use Closure;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Log;
8 use Symfony\Component\HttpFoundation\Response;
9
10 class LogRequests
11 {
12     /**
13      * Handle an incoming request.
14      *
15      * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response) $next
16      */
17     public function handle(Request $request, Closure $next): Response
18     {
19         Log::info('LogRequests middleware executed'); // Log a simple message
20         $logData = '[' . now() . ']' . ' ' . $request->method() . ' ' . $request->fullUrl();
21         Log::channel('custom')->info($logData);
22
23         return $next($request);
24     }
25 }
```

The **LogRequest.php Middleware** was registered as global middleware, applying to every request. It logs the request details in a log.txt file. The LogRequests middleware is executed for every incoming request to the application. It captures the request details, such as the URL, method, and IP address, and logs them in a log.txt file. This allows for easy tracking and debugging of requests. The benefits of using global middleware, is that it can provide a convenient way to perform tasks that need to be executed for every request, such as logging, authentication, or rate limiting. It simplifies the code and makes it more maintainable.

CheckAge.php Middleware:

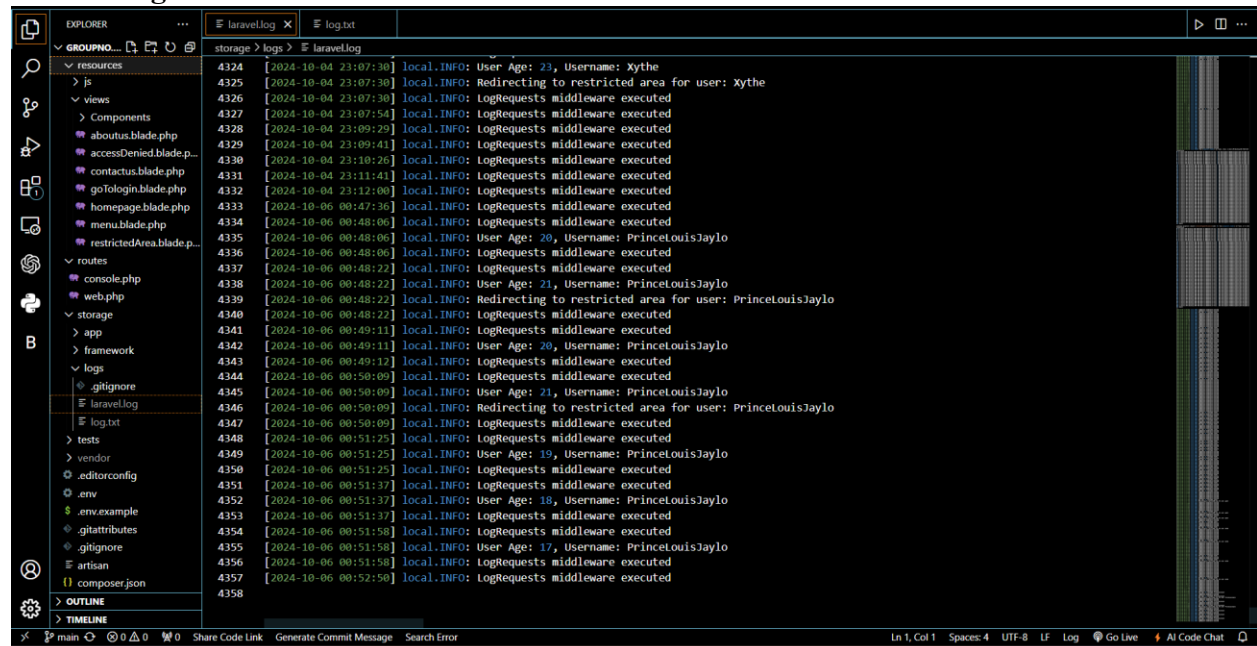


```
1 <?php
2
3 namespace App\Http\Middleware;
4
5 use Closure;
6 use Illuminate\Http\Request;
7 use Carbon\Carbon;
8
9 class CheckAge
10 {
11     /**
12      * Handle an incoming request.
13      *
14      * @param \Illuminate\Http\Request $request
15      * @param \Closure $next
16      * @return mixed
17      */
18     public function handle(Request $request, Closure $next)
19     {
20         // Get the birthdate from the form input
21         $birthDate = $request->input('birthday');
22         $username = $request->input('username');
23
24         // Check if birthdate is provided
25         if (!$birthDate) {
26             // Redirect to Access Denied if the birthdate is missing
27             return redirect('/accessDenied')->with('error', 'Birthdate is required.');
```

The **CheckAge.php Middleware** was registered as route-specific middleware to protect certain routes (e.g., welcome and dashboard). It ensures age verification only applies to these routes. The CheckAge middleware is executed only for specific routes, such as welcome and dashboard. It checks the user's age and redirects them to an access-denied page if they do not meet the age requirement. The benefits of using route-specific middleware, is that route-specific middleware provides a way to apply specific logic or validation to individual routes or groups of routes. It allows for more fine-grained control over the application's behavior and security. The **CheckAge.php** middleware was also modified to accept a parameter, making it more flexible by allowing different age requirements for different routes. For example, using middleware parameters for the /restricted route can be configured to require an age of 21, while the welcome route requires an age of 18. This is achieved by passing the required age as a parameter to the **CheckAge.php** middleware. So, by using middleware parameters in **CheckAge.php**

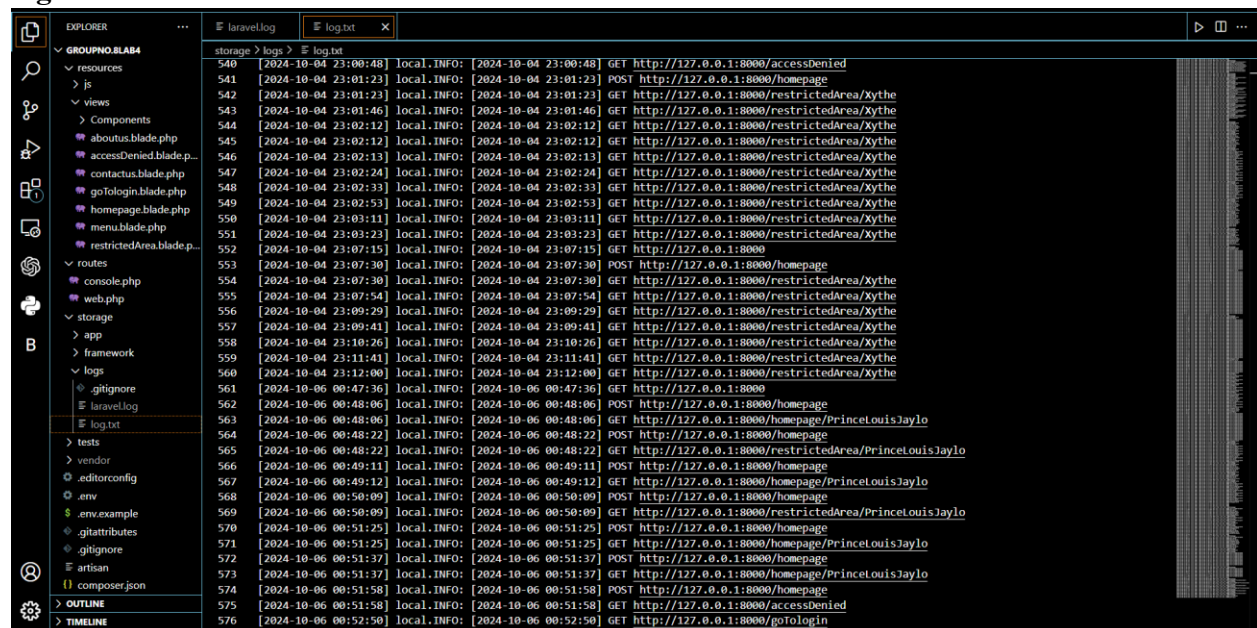
Middleware parameters provide a way to make middleware more flexible and reusable. They allow for easy configuration of middleware behavior without modifying the underlying code.

Laravel.log



```
storage > logs > laravel.log
4324 [2024-10-04 23:07:30] local.INFO: User Age: 23, Username: xythe
4325 [2024-10-04 23:07:30] local.INFO: Redirecting to restricted area for user: xythe
4326 [2024-10-04 23:07:30] local.INFO: LogRequests middleware executed
4327 [2024-10-04 23:07:54] local.INFO: LogRequests middleware executed
4328 [2024-10-04 23:09:29] local.INFO: LogRequests middleware executed
4329 [2024-10-04 23:09:41] local.INFO: LogRequests middleware executed
4330 [2024-10-04 23:10:26] local.INFO: LogRequests middleware executed
4331 [2024-10-04 23:11:41] local.INFO: LogRequests middleware executed
4332 [2024-10-04 23:12:00] local.INFO: LogRequests middleware executed
4333 [2024-10-06 00:47:36] local.INFO: LogRequests middleware executed
4334 [2024-10-06 00:48:06] local.INFO: LogRequests middleware executed
4335 [2024-10-06 00:48:06] local.INFO: User Age: 20, Username: PrincesLouisJaylo
4336 [2024-10-06 00:48:06] local.INFO: LogRequests middleware executed
4337 [2024-10-06 00:48:22] local.INFO: User Age: 21, Username: PrincesLouisJaylo
4338 [2024-10-06 00:48:22] local.INFO: Redirecting to restricted area for user: PrincesLouisJaylo
4339 [2024-10-06 00:48:22] local.INFO: LogRequests middleware executed
4340 [2024-10-06 00:49:11] local.INFO: LogRequests middleware executed
4341 [2024-10-06 00:49:11] local.INFO: User Age: 20, Username: PrincesLouisJaylo
4342 [2024-10-06 00:49:12] local.INFO: LogRequests middleware executed
4343 [2024-10-06 00:50:09] local.INFO: LogRequests middleware executed
4344 [2024-10-06 00:50:09] local.INFO: User Age: 21, Username: PrincesLouisJaylo
4345 [2024-10-06 00:50:09] local.INFO: Redirecting to restricted area for user: PrincesLouisJaylo
4346 [2024-10-06 00:51:25] local.INFO: LogRequests middleware executed
4347 [2024-10-06 00:51:25] local.INFO: User Age: 19, Username: PrincesLouisJaylo
4348 [2024-10-06 00:51:37] local.INFO: LogRequests middleware executed
4349 [2024-10-06 00:51:37] local.INFO: User Age: 18, Username: PrincesLouisJaylo
4350 [2024-10-06 00:51:37] local.INFO: LogRequests middleware executed
4351 [2024-10-06 00:51:58] local.INFO: LogRequests middleware executed
4352 [2024-10-06 00:51:58] local.INFO: User Age: 17, Username: PrincesLouisJaylo
4353 [2024-10-06 00:51:58] local.INFO: LogRequests middleware executed
4354 [2024-10-06 00:52:50] local.INFO: LogRequests middleware executed
4355 [2024-10-06 00:52:50] local.INFO: LogRequests middleware executed
4356 [2024-10-06 00:52:50] local.INFO: LogRequests middleware executed
4357 [2024-10-06 00:52:50] local.INFO: LogRequests middleware executed
4358 [2024-10-06 00:52:50] local.INFO: LogRequests middleware executed
```

log.txt



```
storage > logs > log.txt
540 [2024-10-04 23:00:48] local.INFO: [2024-10-04 23:01:23] POST http://127.0.0.1:8000/accessDenied
541 [2024-10-04 23:01:23] local.INFO: [2024-10-04 23:01:23] POST http://127.0.0.1:8000/homepage
542 [2024-10-04 23:01:23] local.INFO: [2024-10-04 23:01:23] GET http://127.0.0.1:8000/restrictedArea/xythe
543 [2024-10-04 23:01:46] local.INFO: [2024-10-04 23:01:46] GET http://127.0.0.1:8000/restrictedArea/xythe
544 [2024-10-04 23:02:12] local.INFO: [2024-10-04 23:02:12] GET http://127.0.0.1:8000/restrictedArea/xythe
545 [2024-10-04 23:02:12] local.INFO: [2024-10-04 23:02:12] GET http://127.0.0.1:8000/restrictedArea/xythe
546 [2024-10-04 23:02:13] local.INFO: [2024-10-04 23:02:13] GET http://127.0.0.1:8000/restrictedArea/xythe
547 [2024-10-04 23:02:24] local.INFO: [2024-10-04 23:02:24] GET http://127.0.0.1:8000/restrictedArea/xythe
548 [2024-10-04 23:02:33] local.INFO: [2024-10-04 23:02:33] GET http://127.0.0.1:8000/restrictedArea/xythe
549 [2024-10-04 23:02:53] local.INFO: [2024-10-04 23:02:53] GET http://127.0.0.1:8000/restrictedArea/xythe
550 [2024-10-04 23:03:11] local.INFO: [2024-10-04 23:03:11] GET http://127.0.0.1:8000/restrictedArea/xythe
551 [2024-10-04 23:03:23] local.INFO: [2024-10-04 23:03:23] GET http://127.0.0.1:8000/restrictedArea/xythe
552 [2024-10-04 23:07:15] local.INFO: [2024-10-04 23:07:15] GET http://127.0.0.1:8000
553 [2024-10-04 23:07:30] local.INFO: [2024-10-04 23:07:30] POST http://127.0.0.1:8000/homepage
554 [2024-10-04 23:07:30] local.INFO: [2024-10-04 23:07:30] GET http://127.0.0.1:8000/restrictedArea/xythe
555 [2024-10-04 23:07:54] local.INFO: [2024-10-04 23:07:54] GET http://127.0.0.1:8000/restrictedArea/xythe
556 [2024-10-04 23:09:29] local.INFO: [2024-10-04 23:09:29] GET http://127.0.0.1:8000/restrictedArea/xythe
557 [2024-10-04 23:09:41] local.INFO: [2024-10-04 23:09:41] GET http://127.0.0.1:8000/restrictedArea/xythe
558 [2024-10-04 23:10:26] local.INFO: [2024-10-04 23:10:26] GET http://127.0.0.1:8000/restrictedArea/xythe
559 [2024-10-04 23:11:41] local.INFO: [2024-10-04 23:11:41] GET http://127.0.0.1:8000/restrictedArea/xythe
560 [2024-10-04 23:12:00] local.INFO: [2024-10-04 23:12:00] GET http://127.0.0.1:8000/restrictedArea/xythe
561 [2024-10-06 00:47:36] local.INFO: [2024-10-06 00:47:36] GET http://127.0.0.1:8000
562 [2024-10-06 00:48:06] local.INFO: [2024-10-06 00:48:06] POST http://127.0.0.1:8000/homepage
563 [2024-10-06 00:48:22] local.INFO: [2024-10-06 00:48:22] GET http://127.0.0.1:8000/homepage/PrincesLouisJaylo
564 [2024-10-06 00:48:22] local.INFO: [2024-10-06 00:48:22] POST http://127.0.0.1:8000/homepage
565 [2024-10-06 00:49:11] local.INFO: [2024-10-06 00:49:11] GET http://127.0.0.1:8000/restrictedArea/PrincesLouisJaylo
566 [2024-10-06 00:49:12] local.INFO: [2024-10-06 00:49:12] POST http://127.0.0.1:8000/homepage
567 [2024-10-06 00:50:09] local.INFO: [2024-10-06 00:50:09] GET http://127.0.0.1:8000/homepage/PrincesLouisJaylo
568 [2024-10-06 00:50:09] local.INFO: [2024-10-06 00:50:09] POST http://127.0.0.1:8000/homepage
569 [2024-10-06 00:51:25] local.INFO: [2024-10-06 00:51:25] GET http://127.0.0.1:8000/restrictedArea/PrincesLouisJaylo
570 [2024-10-06 00:51:25] local.INFO: [2024-10-06 00:51:25] POST http://127.0.0.1:8000/homepage
571 [2024-10-06 00:51:37] local.INFO: [2024-10-06 00:51:37] GET http://127.0.0.1:8000/homepage/PrincesLouisJaylo
572 [2024-10-06 00:51:37] local.INFO: [2024-10-06 00:51:37] POST http://127.0.0.1:8000/homepage
573 [2024-10-06 00:51:58] local.INFO: [2024-10-06 00:51:58] GET http://127.0.0.1:8000/homepage/PrincesLouisJaylo
574 [2024-10-06 00:51:58] local.INFO: [2024-10-06 00:51:58] POST http://127.0.0.1:8000/homepage
575 [2024-10-06 00:51:58] local.INFO: [2024-10-06 00:51:58] GET http://127.0.0.1:8000/accessDenied
576 [2024-10-06 00:52:50] local.INFO: [2024-10-06 00:52:50] GET http://127.0.0.1:8000/goToLogin
```

The LogRequests middleware can also be converted into terminable middleware by implementing the terminate method. The terminate method is called after the response has been sent to the browser. It can be used to perform tasks that need to be executed after the response, such as closing database connections or releasing resources. Therefore, the benefits of using terminable middleware, is that it provides a way to perform tasks that need to be executed after the response has been sent. It allows for more efficient use of resources and improves the overall

performance of the application. For example, the LogRequests middleware can be modified to close the log file after the response has been sent, ensuring that the file is properly closed and resources are released.