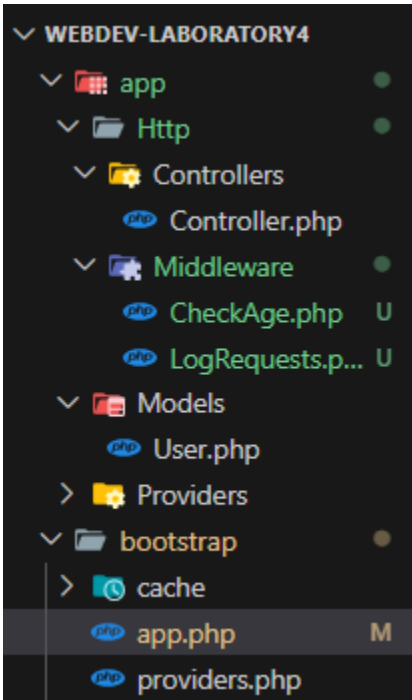


I. Create and Register New Middleware

- created middleware named CheckAge and LogRequests (forgot to screenshot in making the middleware using commandline; image below reflects the middleware after successfully creating a middleware in the terminal



- CheckAge Middleware

```
app > Http > Middleware > CheckAge.php
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use Illuminate\Http\Request;
7
8  class CheckAge
9  {
10     /**
11      * Handle an incoming request.
12      *
13      * @param \Illuminate\Http\Request $request
14      * @param \Closure $next
15      * @param int $minAge
16      * @return mixed
17      */
18     public function handle(Request $request, Closure $next, $minAge)
19     {
20         // Retrieve age from session
21         $age = session('age');
22
23         // Check if age is set and meets the minimum requirement
24         if ($age === null || $age < $minAge) {
25             return redirect()->route('access-denied'); // Redirect to "Access Denied" page
26         }
27
28         return $next($request); // Proceed with the request
29     }
30 }
31
32
```

- LogRequest Middleware

```

app.php  CheckAge.php  web.php  age-verification.blade.php  LogRequests.php X  log.txt  layout
6 > Http > Middleware > LogRequests.php > ...
4
5 use Closure;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Log;
8
9 3 references | 0 implementations | Codeium: Refactor | Explain
9 class LogRequests
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): mixed
19     {
20         // Log the request details
21         $logMessage = sprintf(
22             format: "[%s] %s %s\n",
23             values: now()->toDateTimeString(), // Timestamp
24             $request->method(), // HTTP method
25             $request->fullUrl() // Full URL
26         );
27
28         // Append to log.txt file in the storage/logs directory
29         file_put_contents(filename: storage_path(path: 'logs/log.txt'), data: $logMessage, flags: FILE_APPEND);
30
31         return $next($request);
32     }
33 }
34

```

- Registered the CheckAge and LogRequests as global middleware and also added alias to invoke in the route (route specific middleware)
- Registered this middleware on bootstrap/app.php as app/Http/Kernel.php is intended for older version of Laravel (e.g. Laravel 9) and based on the documentation of Laravel 11, middleware registration/ and necessary configurations is now moved on the bootstrap/app.php

```

app.php X  CheckAge.php  web.php  age-verification.blade.php  LogRequests.php  log.txt  layout.blade.php  index.bl
bootstrap > app.php
1 <?php
2
3 use Illuminate\Foundation\Application;
4 use Illuminate\Foundation\Configuration\Exceptions;
5 use Illuminate\Foundation\Configuration\Middleware;
6 use App\Http\Middleware\CheckAge;
7 use App\Http\Middleware\LogRequests;
8
9 return Application::configure(basePath: dirname(path: __DIR__))
10     ->withRouting(
11         web: __DIR__.'/../routes/web.php',
12         commands: __DIR__.'/../routes/console.php',
13         health: '/up',
14     )
15     ->withMiddleware(callback: function (Middleware $middleware): void {
16         // $middleware->append(CheckAge::class); // CheckAge is registered as a global middleware -- this will be run on every request
17         $middleware->append(middleware: LogRequests::class); // LogRequests is registered as global middleware
18         $middleware->alias(aliases: [
19             'check_age' => CheckAge::class, // Alias for CheckAge for route-specific usage
20             'log_requests' => LogRequests::class, // Alias for CheckAge for route-specific usage
21         ]);
22     })
23     ->withExceptions(using: function (Exceptions $exceptions): void {
24         //
25     })->create();
26

```

1. No Http Kernel

Since Laravel 11, there is no more Http Kernel file in `Http` folder and all necessary configurations have been moved to the `bootstrap/app.php` file

If we navigate to bootstrap folder and look at `app.php` file we will see:

II. Assign Middleware to Routes

- Assigned the CheckAge middleware in a route group
- The middleware (CheckAge) will only work on this route group (if middleware is not configured/ registered as global) (if global it will work to all)

```
// Route::middleware(['check_age'])->group(function () {  
//     Route::get('/dashboard', function () {  
//         return view('dashboard'); // This route will be protected  
//     }->name('dashboard');  
  
//     Route::get('/source-code', function () {  
//         return view('source-code'); // restricted content that requires age verification  
//     }->name('source-code');  
// });
```

III. Create Middleware with Parameters

```
* @param \Illuminate\Http\Request $request  
* @param \Closure $next  
* @param int $minAge  
* @return mixed  
*/  
0 references | 0 overrides | Codeium: Refactor | Explain | X  
public function handle(Request $request, Closure $next, $minAge): mixed  
{  
    // Retrieve age from session  
    $age = session(key: 'age');  
  
    // Check if age is set and meets the minimum requirement  
    if ($age === null || $age < $minAge) {  
        return redirect()->route(route: 'access-denied'); // Redirect to "Access Denied" page  
    }  
  
    return $next($request); // Proceed with the request  
}
```

```
Route::get(uri: '/dashboard', action: function (): Factory|View {  
    return view(view: 'dashboard'); // Your dashboard view  
})->middleware(middleware: 'check_age:18')->name(name: 'dashboard');  
  
// Route for restricted source code page with age restriction of 18  
Route::get(uri: '/source-code', action: function (): Factory|View {  
    return view(view: 'source-code'); // Your source code view  
})->middleware(middleware: 'check_age:18')->name(name: 'source-code');  
  
// New route for a different age restriction (e.g., 21 years old)  
Route::get(uri: '/code-tutorials', action: function (): Factory|View {  
    return view(view: 'code-tutorials'); // Your restricted area view  
})->middleware(middleware: 'check_age:21')->name(name: 'code-tutorials');
```

IV. Documentation

1. layout.blade.php

```
app.php  CheckAge.php  web.php  age-verification.blade.php  layout.blade.php  index.blade.php
sources > views > components layout.blade.php
<!--VPT: html-->
<html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta content="portfolio,homepage,james,anthony,rosales" name="keywords">

    <title@yield(section: 'title')</title>

    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Balway:ital,wght@0,100..900;1,100..900&display=swap" rel="stylesheet">

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
    <link href="https://cdnjs.cloudflare.com/ajax/libs/icomoon/1.0.1/icomoon.min.css" rel="stylesheet">
    <link href="https://cdnjs.cloudflare.com/ajax/libs/remixicon/2.5.0/remixicon.css" rel="stylesheet">
    <link href="https://cdnjs.cloudflare.com/ajax/libs/boxicons/2.0.7/css/boxicons.min.css" rel="stylesheet">

    <link href="{{ asset(path: 'asset/css/style.css') }}" rel="stylesheet">
</head>

<body>
    <header id="header" class="{{ (request()->is(patterns: '/') ? 'header-tops' : 'header-top') }}">
        <div class="container">
            <div class="{{ (request()->is(patterns: '/') ? '' : 'd-none') }}"><a href="{{ route(name: 'homepage') }}">RoQ Collective Portfolio</a></div>
            <div class="{{ (request()->is(patterns: '/') ? '' : 'd-none') }}" style="color:#fff">We <span class="typing" style="color:#add8e6"></span></div>

            <nav class="nav-menu d-none d-lg-block" id="{{ (request()->is(patterns: '/') ? 'center' : '') }}">
                <ul>
                    <li class="{{ (request()->is(patterns: '/') ? 'active' : '') }}"><a href="{{ route(name: 'homepage') }}"><span>Home</span></li>
                    <li class="{{ (request()->is(patterns: 'pages/education-experience') ? 'active' : '') }}"><a href="{{ route(name: 'education-experience') }}"><span>Education & Experience</span></li>
                    <li class="{{ (request()->is(patterns: 'pages/project-skills') ? 'active' : '') }}"><a href="{{ route(name: 'project-skills') }}"><span>Projects & Skills</span></li>
                    <li class="{{ (request()->is(patterns: 'pages/about') ? 'active' : '') }}"><a href="{{ route(name: 'about') }}"><span>About</span></li>
                    <li class="{{ (request()->is(patterns: 'pages/contact-us') ? 'active' : '') }}"><a href="{{ route(name: 'contact-us') }}"><span>Contact Us</span></li>
                </ul>
            </nav>

            @if(request()->is(patterns: '/'))
                <div class="social-links">
                    <a href="https://www.linkedin.com/in/james-anthony-rosales/" target="_blank" class="linkedin"><i class="bx bx-linkedin"></i></a>
                    <a href="https://github.com/jaroll" target="_blank" class="github"><i class="bx bx-github"></i></a>
                    <a href="mailto:jaroll2022-6131-98117@icel-u.edu.ph" target="_blank" class="google"><i class="bx bx-google"></i></a>
                </div>
            @endif
        </div>
    </header>

    @yield(section: 'content')

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.0.7/dist/umd/popper.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/type@2.0.12"></script>
</body>
</html>
```

2. About.blade.php

```
app.php  CheckAge.php  web.php  age-verification.blade.php  about.blade.php  layout.blade.php  index.blade.php
sources > views > components about.blade.php
1 @extends(view: 'components.layout')
2
3 @section(section: 'title', content: 'About')
4
5 @section(section: 'content')
6
7 <div class="about-me container">
8     <!-- Define an array of profiles to loop through -->
9     @php
10         $profiles = [
11             [
12                 'image' => 'asset/image/jar.png',
13                 'name' => 'Profile 1',
14                 'description' => "I'm an undergraduate student with a strong passion for the IT field, particularly in networking, where I enjoy working with routers, PC configurations, and various setups. While I also have an interest in coding, my enthusiasm",
15                 'birthday' => '15 June 2003',
16                 'phone' => '+63 988-593-8687',
17                 'city' => 'Tubaco, Albay',
18                 'email' => 'rjamesanthony4@gmail.com',
19             ],
20             [
21                 'image' => 'asset/image/pd.png',
22                 'name' => 'Profile 2',
23                 'description' => "I'm an undergraduate IT student passionate about creating digital art, especially graphic and web design. I also enjoy exploring new things, whether they relate to my field or not, always searching for what excites me the most",
24                 'birthday' => '8 September 2003',
25                 'phone' => '+63 978-618-4581',
26                 'city' => 'Sta. Domingo, Albay',
27                 'email' => 'yandydiane@gmail.com',
28             ],
29             [
30                 'image' => 'asset/image/zaro.jpg',
31                 'name' => 'Profile 3',
32                 'description' => "As an undergraduate student aspiring to be a web developer, I am currently honing my skills in web development and design. I have a passion for creating intuitive, functional websites and am eager to continue learning about fr",
33                 'birthday' => '7 November 2004',
34                 'phone' => '+63991768985',
35                 'city' => 'Legazpi City, Albay',
36                 'email' => 'zaro.quintanilla.2@gmail.com',
37             ],
38         ];
39     @endphp
40
41     <!-- Loop through each profile -->
42     @foreach ($profiles as $profile)
43         <div class="container" id="cont-{{ $profile['name'] }}">
44             <div class="row">
45                 <div class="col-lg-4 data-aos="fade-right">
46                     
47                 </div>
48                 <div class="col-lg-8 pt-4 pt-lg-0 content data-aos="fade-left">
49                     <p{{ $profile['description'] }}>
50                     <div class="row">
51                         <div class="col-lg-6">
52                             <ul>
53                                 <li><i class="icofont-rounded-right"></i> <strong>Birthday:</strong> {{ $profile['birthday'] }}</li>
54                                 <li><i class="icofont-rounded-right"></i> <strong>Phone:</strong> {{ $profile['phone'] }}</li>
55                             </ul>
56                         </div>
57                         <div class="col-lg-6">
58                             <ul>
59                                 <li><i class="icofont-rounded-right"></i> <strong>Email:</strong> {{ $profile['email'] }}</li>
60                             </ul>
61                         </div>
62                     </div>
63                 </div>
64             </div>
65         </div>
66     @endforeach
67 </div>
```

3. Access-denied.blade.php

```
ces > views > access-denied.blade.php
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Access Denied</title>
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100..900;1,100..900&display=swap" rel="stylesheet">
  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
  <link href="{{ asset('css/styles.css') }}" rel="stylesheet">
</head>
<body>
  <div class="gandalf">
    <div class="fireball"></div>
    <div class="skirt"></div>
    <div class="sleeves"></div>
    <div class="shoulders">
      <div class="hand left"></div>
      <div class="hand right"></div>
    </div>
    <div class="head">
      <div class="hair"></div>
      <div class="beard"></div>
    </div>
  </div>
  <div class="message">
    <h1>Error 403 (Access Denied)</h1>
    <p>Oops! This page is age restricted at the moment.</p>
    <button class="btn btn-secondary" onclick="window.location='{{ route('name: \'homepage\'') }}'">Go Back to Homepage</button>
  </div>
</body>
</html>
```

4. Age-verification.blade.php

```
p.php | CheckAge.php | web.php | age-verification.blade.php | access-denied.blade.php | layout.blade.php | index.blade.php
rces > views > age-verification.blade.php
<html lang="en">
<body>
  <div class="form-container">
    <h4 class="modal-title">Age Verification </h4>
    <p class="text-center">For verification, please enter your age. This ensures that you meet the required age to access the source codes.</p>
    <form action="{{ route('verify-age') }}" method="POST">
      @csrf
      <div class="form-group">
        <input type="number" class="form-control" id="age" name="age" placeholder="Enter your age" required>
      </div>
      <div class="form-group">
        <label for="destination">Choose where to go:</label>
        <div>
          <input type="radio" id="dashboard" name="destination" value="dashboard" required>
          <label for="dashboard">Dashboard</label>
          <input type="radio" id="source-code" name="destination" value="source-code" required>
          <label for="source-code">Source Code</label>
          <input type="radio" id="code-tutorials" name="destination" value="code-tutorials" required>
          <label for="code-tutorials">Code Tutorials</label>
        </div>
      </div>
      <div class="d-flex justify-content-center">
        <button type="submit" class="btn btn-secondary">Submit</button>
      </div>
    </form>
  </div>
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
  <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```

5. Code-tutorials.blade.php

```
php | CheckAge.php | web.php | age-verification.blade.php | code-tutorials.blade.php | layout.blade.php | index.blade.php
ces > views > code-tutorials.blade.php
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Code-Tutorials</title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100..900;1,100..900&display=swap" rel="stylesheet">
  <link rel="stylesheet" href="{{ asset('css/styles.css') }}">
</head>
<body>
  <div class="form-container">
    <h1 class="modal-title">Code-Tutorials </h1>
    <p class="text-center">Lorem ipsum dolor sit amet consectetur adipisicing elit. Est ad exercitationem magni iste aut sunt atque, quod rem, nostrum quas mollitia deleniti cumque incidunt voluptatem veritatis, sint impedit! Odit, iure.</p>
  </div>
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
  <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```

6. Contact-us.blade.php

```
php    CheckAge.php    web.php    age-verification.blade.php    contact-us.blade.php X    layout.blade.php    index.blade.php
sources > views > contact-us.blade.php
@extends(view: 'components.layout')

@section(section: 'title', content: 'Contact Us')

@section(section: 'content')

<main>
  <section id="contact" class="contact">
    <div class="container">
      <div class="row cont justify-content-center">
        <div class="col-md-6">
          
        </div>
        <div class="col-md-6">
          <h1 style="margin-top: 20px;">Get in touch with us</h1>
          <form action="/submit-form" method="POST">
            @csrf <!-- Add CSRF token for security -->
            <div class="form-group">
              <label for="name">Name:</label>
              <input type="text" id="name" name="name" class="form-control" required>
            </div>
            <div class="form-group">
              <label for="email">Email:</label>
              <input type="email" id="email" name="email" class="form-control" required>
            </div>
            <div class="form-group">
              <label for="subject">Subject:</label>
              <input type="text" id="subject" name="subject" class="form-control" required>
            </div>
            <div class="form-group">
              <label for="message">Message:</label>
              <textarea id="message" name="message" class="form-control" rows="5" required></textarea>
            </div>
            <button type="submit" id="btn-sub" class="btn btn-primary">Submit</button>
          </form>
        </div>
      </div>
    </div>
  </section>
</main>

@endsection
```

7. Dashboard.blade.php

```
pp.php    CheckAge.php    web.php    age-verification.blade.php    dashboard.blade.php X    layout.blade.php    index.blade.php
sources > views > dashboard.blade.php
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dashboard</title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@100,900&display=swap" rel="stylesheet">
  <link rel="stylesheet" href="{{ asset(path: 'asset/css/style.css') }}">
</head>
<body>
  <div class="form-container">
    <div class="modal-title">Dashboard Try</div>
    <p class="text-center">Lorem ipsum dolor sit amet consectetur adipisicing elit. Est ad exercitationem magni iste aut sunt atque, quod rem, nostrum quas mollitia deleniti cumque. Incidunt voluptatem veritatis, si<
  </div>
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
  <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```

8. Education-experience.blade.php

```
pp.php  CheckAge.php  web.php  age-verification.blade.php  education-experience.blade.php  layout.blade.php  index.blade.php
sources > views > education-experience.blade.php
@extends(view: 'components.layout')

@section(section: 'title', content: 'Education & Experience')

@section(section: 'content')
    <main>
        <section id="education-experience" class="educ-exp">
            <div class="container">
                <div class="row">
                    <div class="col-lg-12" data-aos="fade-up">
                        <div class="col-md-12 mt-4 mt-md-0 icon-box" data-aos="fade-up" data-aos-delay="100">
                            <h1 style="text-align:left; font-size:x-large; font-weight: bold;">
                                <a href="https://bicol-u.edu.ph/" style="color:#ffefef">Bicol University</a><br>
                            </h1>
                            <h2 style="text-align:left; font-size:larger;">August 2022 - Present</h2>
                            <p style="text-align:left;color:#fff"><em>Undergraduate Student</em></p>
                            <ul style="text-align:left;">
                                <li>Currently a junior student at Bicol University (Main Campus) majoring in Information Technology.</li>
                            </ul>
                        </div>
                    </div>
                    <div class="col-md-12 mt-4 mt-md-0 icon-box" data-aos="fade-up" data-aos-delay="100">
                        <h1 style="text-align:left; font-size:x-large; font-weight: bold;">DCTV Cable and Network Services Inc.</h1>
                        <h2 style="text-align:left; font-size:larger;">2022</h2>
                        <p style="text-align:left;color:#fff"><em>Work Immersion Intern</em></p>
                        <ul style="text-align:left;">
                            <li>Experienced in hands-on internet service installations, including fiber optic setup and problem-solving for equipment compatibility.</li>
                            <li>Effective communication with customers and exposure to field operations and safety protocols.</li>
                        </ul>
                    </div>
                    <div class="col-md-12 mt-4 mt-md-0 icon-box" data-aos="fade-up" data-aos-delay="100">
                        <h1 style="text-align:left; font-size:x-large; font-weight: bold;">Obtained National Certificate in Computer System Servicing (CSS)</h1>
                        <h2 style="text-align:left; font-size:larger;">2021</h2>
                        <p style="text-align:left;color:#fff"><em>Certificate Holder</em></p>
                        <ul style="text-align:left;">
                            <li>Accredited Assessment Center - San Francisco Institute of Science and Technology (SFIST)</li>
                        </ul>
                    </div>
                    <div class="col-md-12 mt-4 mt-md-0 icon-box" data-aos="fade-up" data-aos-delay="100">
                        <h1 style="text-align:left; font-size:x-large; font-weight: bold;">320 hours Training in the JDVP Program for CSS NCII</h1>
                        <h2 style="text-align:left; font-size:larger;">2021</h2>
                        <p style="text-align:left;color:#fff"><em>Trainee</em></p>
                        <ul style="text-align:left;">
                            <li>Bicol Training and Technological College Inc., Aguinaldo St., Bacacay, Albay</li>
                        </ul>
                    </div>
                    <div class="col-md-12 mt-4 mt-md-0 icon-box" data-aos="fade-up" data-aos-delay="100">
                        <h1 style="text-align:left; font-size:x-large; font-weight: bold;">Completed CSS NCII Training</h1>
                        <h2 style="text-align:left; font-size:larger;">2021</h2>
                        <p style="text-align:left;color:#fff"><em>Trainee</em></p>
                        <ul style="text-align:left;">
                            <li>Livelihood and Skills Training Center (LSTC-Tabaco City)</li>
                        </ul>
                    </div>
                </div>
            </div>
        </section>
    </main>
</div>
</div>
```

9. Index.blade.php

```
pp.php  CheckAge.php  web.php  age-verification.blade.php  education-experience.blade.php  layout.blade.php  index.blade.php
sources > views > index.blade.php
@extends(view: 'components.layout')

@section(section: 'title', content: 'HomePage')

@section(section: 'content')
    <div class="modal" id="myModal" tabindex="-1" role="dialog">
        <div class="modal-dialog modal-dialog-centered" role="document">
            <div class="modal-content">
                <div class="modal-header">
                    <h4 class="modal-title">Welcome {{ $username ?? 'Guest' }} to RoQ Collective Portfolio! <span>👋</span></h4>
                </div>
                <div class="modal-body">
                    <p>Explore our projects, skills, and experiences! Dive into our portfolio to see the innovative solutions we've crafted!</p>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" data-dismiss="modal">Start Exploring</button>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" onclick="window.location('{{ route(name: 'age-verification') }}')">Access Restricted Content</button>
                </div>
            </div>
        </div>
    </div>

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.0.7/dist/umd/popper.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/typed.js@2.0.12"></script>

    <script type="text/javascript">
        $(document).ready(function() {
            $('#myModal').modal('show'); // Show the modal on page load
        });

        var typed = new Typed('.typing', {
            strings: ["are an undergrad student in the IT Field. Check out our skills, experience, and projects!"],
            loop: true,
            typeSpeed: 40,
            backSpeed: 50
        });
    </script>
</div>
</div>
```

10. Project-skills.blade.php

```
php  CheckAge.php  web.php  age-verification.blade.php  layout.blade.php  index.blade.php  project-skills.blade.php x
resources > views > project-skills.blade.php
@extends(view: 'components.layout')

@section(section: 'title', content: 'Projects & Skills')

@section(section: 'content')

<main>
    <section class="skills container">
        <div class="container">
            <div class="section-title">
                <h1 style="font-size:xx-large; font-weight: bold;">Skills</h1>
            </div>
            <div class="row">
                <div class="col-lg-3 col-md-4">
                    <div class="icon-box">
                        <i class="ri-global-line" style="color: #ffbb2c;"></i>
                        <h2 style="font-size:medium; font-weight: bold;">Computer Programming</h2>
                    </div>
                </div>
                <div class="col-lg-3 col-md-4 mt-4 mt-md-0">
                    <div class="icon-box">
                        <i class="ri-router-line" style="color: #5578ff;"></i>
                        <h2 style="font-size:medium; font-weight: bold;">Network Configuration</h2>
                    </div>
                </div>
                <div class="col-lg-3 col-md-4 mt-4 mt-md-0">
                    <div class="icon-box">
                        <i class="ri-computer-line" style="color: #e80368;"></i>
                        <h2 style="font-size:medium; font-weight: bold;">Computer Troubleshooting</h2>
                    </div>
                </div>
                <div class="col-lg-3 col-md-4 mt-4 mt-lg-0">
                    <div class="icon-box">
                        <i class="ri-code-s-slash-line" style="color: #1c7d32;"></i>
                        <h2 style="font-size:medium; font-weight: bold;">Front-end Development</h2>
                    </div>
                </div>
            </div>
        </div>
    </section>

    <section id="portfolio" class="portfolio container">
        <div class="container">
            <div class="section-title">
                <h1 style="font-size:xx-large; font-weight: bold;">Projects</h1>
            </div>

            <div class="row portfolio-container">
                <div class="col-lg-6 col-md-6 portfolio-item">
                    <h2 style="font-size:larger" class="text-center">InCELLigence Hub</h2>
                    <div class="portfolio-wrap d-flex justify-content-center align-items-center">
                        
                    </div>
                    <div class="portfolio-info">
                        <p>An interactive learning website targeted for young students.</p>
                    </div>
                </div>
            </div>
        </div>
    </section>
</main>
```

11. Source-code.blade.php

```
p.php  CheckAge.php  web.php  age-verification.blade.php  layout.blade.php  index.blade.php  source-code.blade.php x
resources > views > source-code.blade.php
@extends(view: 'components.layout')

@section(section: 'title', content: 'Source Code')

@section(section: 'content')

<main>
    <section id="portfolio" class="portfolio container" style="margin-top: 120px;">
        <div class="container">
            <div class="section-title">
                <h1 style="font-size:xx-large; font-weight: bold; margin-bottom: 30px;">Download Project Source Code</h1>
            </div>

            <div class="row portfolio-container">
                <div class="col-lg-6 col-md-6 portfolio-item">
                    <a href="https://drive.google.com/drive/folders/1Wrbp2CLKYfa_1tzy_u0tjJ36iGu67dke7usp#sharing" target="_blank" style="text-decoration: none; color: inherit;">
                        <h2 style="font-size:larger" class="text-center">InCELLigence Hub</h2>
                        <div class="portfolio-wrap d-flex justify-content-center align-items-center">
                            
                        </div>
                        <div class="portfolio-info">
                            <p>An interactive learning website targeted for young students.</p>
                        </div>
                    </a>
                </div>

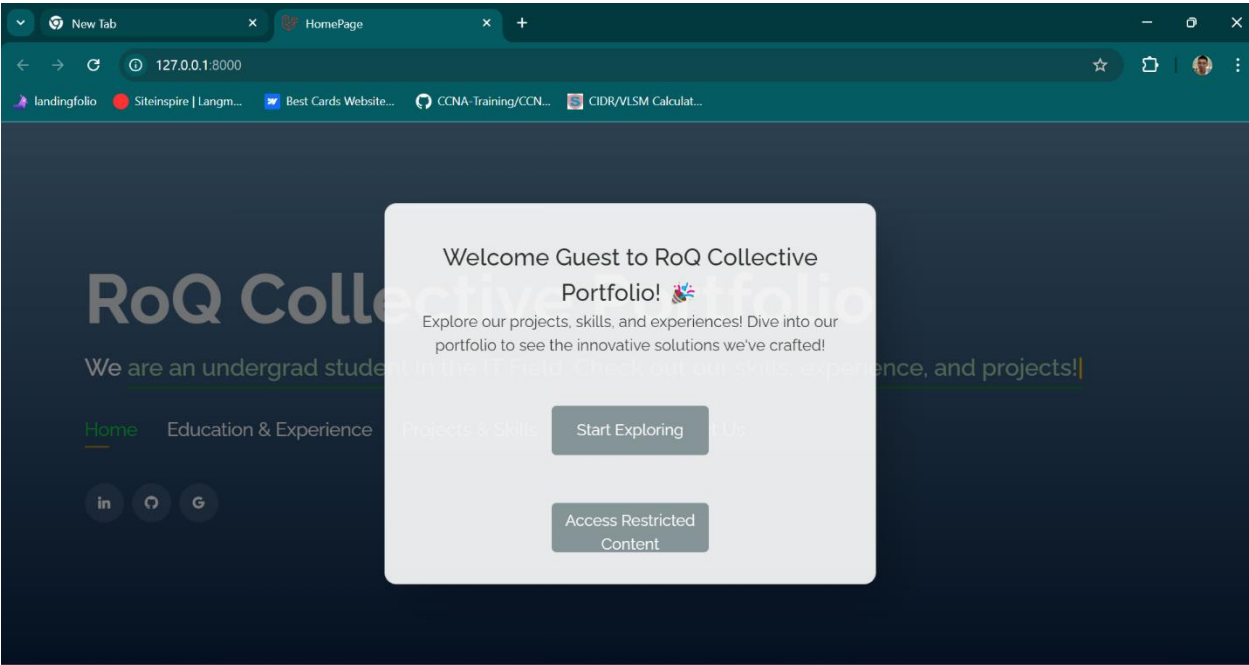
                <div class="col-lg-6 col-md-6 portfolio-item">
                    <a href="https://drive.google.com/drive/folders/1Wrbp2CLKYfa_1tzy_u0tjJ36iGu67dke7usp#sharing" target="_blank" style="text-decoration: none; color: inherit;">
                        <h2 style="font-size:larger" class="text-center">Mind Whisper</h2>
                        <div class="portfolio-wrap d-flex justify-content-center align-items-center">
                            
                        </div>
                        <div class="portfolio-info">
                            <p>A helpful website for individuals struggling with their mental health.</p>
                        </div>
                    </a>
                </div>

                <div class="col-lg-6 col-md-6 portfolio-item">
                    <a href="https://drive.google.com/drive/folders/1Wrbp2CLKYfa_1tzy_u0tjJ36iGu67dke7usp#sharing" target="_blank" style="text-decoration: none; color: inherit;">
                        <h2 style="font-size:larger" class="text-center">University Logical Network Design</h2>
                        <div class="portfolio-wrap d-flex justify-content-center align-items-center">
                            
                        </div>
                        <div class="portfolio-info">
                            <p>Network Design For Bicol University. Includes simulation in packet tracer.</p>
                        </div>
                    </a>
                </div>

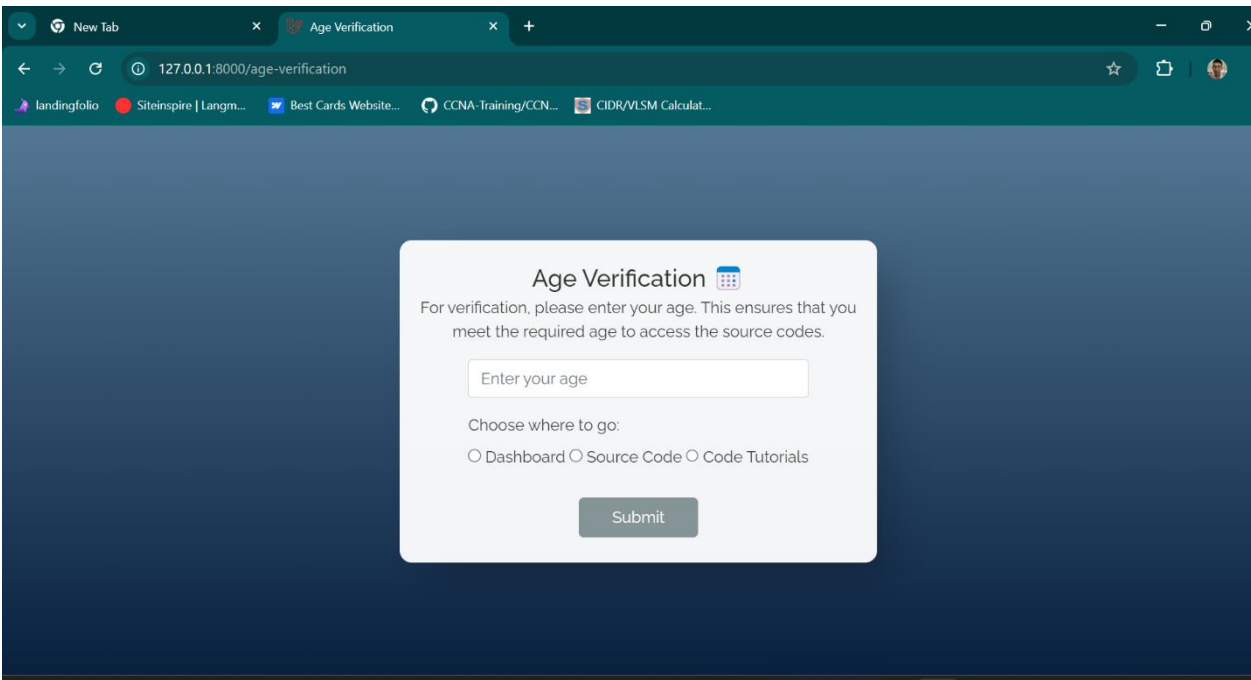
                <div class="col-lg-6 col-md-6 portfolio-item">
                    <a href="https://drive.google.com/drive/folders/1Wrbp2CLKYfa_1tzy_u0tjJ36iGu67dke7usp#sharing" target="_blank" style="text-decoration: none; color: inherit;">
                        <h2 style="font-size:larger" class="text-center">JFV Library Management System</h2>
                        <div class="portfolio-wrap d-flex justify-content-center align-items-center">
                            
                        </div>
                        <div class="portfolio-info">
                            <p>A JAVA-based application for a Library Management System.</p>
                        </div>
                    </a>
                </div>
            </div>
        </div>
    </section>
</main>
```


Rendered Page:

- modal pops up when you visit the index (homepage)



- When you click the 'Access Restricted Content' button this will show, an age verification page where it verifies the age and you can choose a page that requires age verification like 'Dashboard', 'Source Code', 'Code Tutorials'



- In the age verification when submitted its form action is routed to 'verify-age'

```

<form action="{ route(name: 'verify-age') }}" method="POST">
  @csrf
  <div class="form-group">
    <input type="number" class="form-control" id="age" name="age" placeholder="Enter your age"
  </div>
  <div class="form-group">
    <label for="destination">Choose where to go:</label>
    <div>
      <input type="radio" id="dashboard" name="destination" value="dashboard" required>
      <label for="dashboard">Dashboard</label>
      <input type="radio" id="source-code" name="destination" value="source-code" required>
      <label for="source-code">Source Code</label>
      <input type="radio" id="code-tutorials" name="destination" value="code-tutorials" required>
      <label for="code-tutorials">Code Tutorials</label>
    </div>
  </div>
  <div class="d-flex justify-content-center">
    <button type="submit" class="btn btn-secondary">Submit</button>
  </div>
</form>

```

- The verify-age checks if the age is valid and stores it in the session. If the user is 18 or older, they are redirected to the selected destination (the form passes 2 values the age and destination); if they are underage, they are sent to the "Access Denied" page.

```

Route::post(uri: '/verify-age', action: function (Request $request): mixed|RedirectResponse {
    // Validate the age input
    $request->validate(rules: [
        'age' => 'required|integer|min:0',
    ]);

    // Get the age from the request
    $age = $request->input(key: 'age');
    $destination = $request->input(key: 'destination');

    // Store the age in the session
    session(key: ['age' => $age]);

    // Check if the age is greater than or equal to 18
    if ($age >= 18) {
        // Redirect based on selected destination
        if ($destination === 'dashboard') {
            return redirect()->route(route: 'dashboard'); // Redirect to the dashboard
        } else if ($destination === 'source-code') {
            return redirect()->route(route: 'source-code'); // Redirect to the source code
        } else if ($destination === 'code-tutorials') {
            return redirect()->route(route: 'code-tutorials'); // Redirect to the source code
        } else{
            return redirect()->route(route: 'access-denied');
        }
    }

    return redirect()->route(route: 'access-denied'); // Redirect to "Access Denied" page if underage
})->name(name: 'verify-age');

```

- if age is ≥ 18 and the destination passed and stored to \$destination variable is 'dashboard' then it will go to the dashboard route

```
// Check if the age is greater than or equal to 18
if ($age >= 18) {
    // Redirect based on selected destination
    if ($destination === 'dashboard') {
        return redirect()->route(route: 'dashboard'); // Redirect to the dashboard
    }
}
```

- This named route dashboard has a middleware check_age (alias) that check if the user's age is at least 18. If they are 18 or older, they can see the dashboard if not access denied

```
Route::get(uri: '/dashboard', action: function (): Factory|View {
    return view(view: 'dashboard'); // Your dashboard view
})->middleware(middleware: 'check_age:18')->name(name: 'dashboard');
```

```
<?php

namespace App\Http\Middleware;

use Closure;
use Illuminate\Http\Request;

3 references | 0 implementations | Codeium: Refactor | Explain
class CheckAge
{
    /**
     * Handle an incoming request.
     *
     * @param  \Illuminate\Http\Request  $request
     * @param  \Closure  $next
     * @param  int  $minAge
     * @return mixed
     */
    0 references | 0 overrides | Codeium: Refactor | Explain | X
    public function handle(Request $request, Closure $next, $minAge): mixed
    {
        // Retrieve age from session
        $age = session(key: 'age');

        // Check if age is set and meets the minimum requirement
        if ($age === null || $age < $minAge) {
            return redirect()->route(route: 'access-denied'); // Redirect to "Access Denied" page
        }

        return $next($request); // Proceed with the request
    }
}
```

Age Verification 📅

For verification, please enter your age. This ensures that you meet the required age to access the source codes.

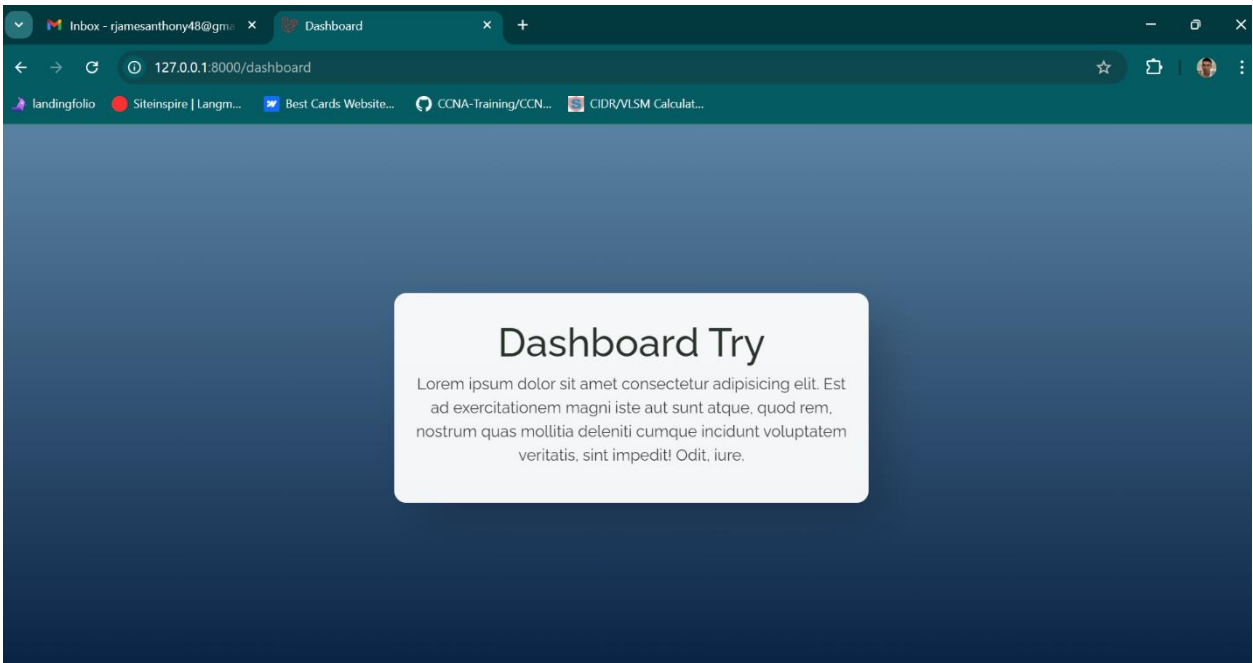
18

Choose where to go:

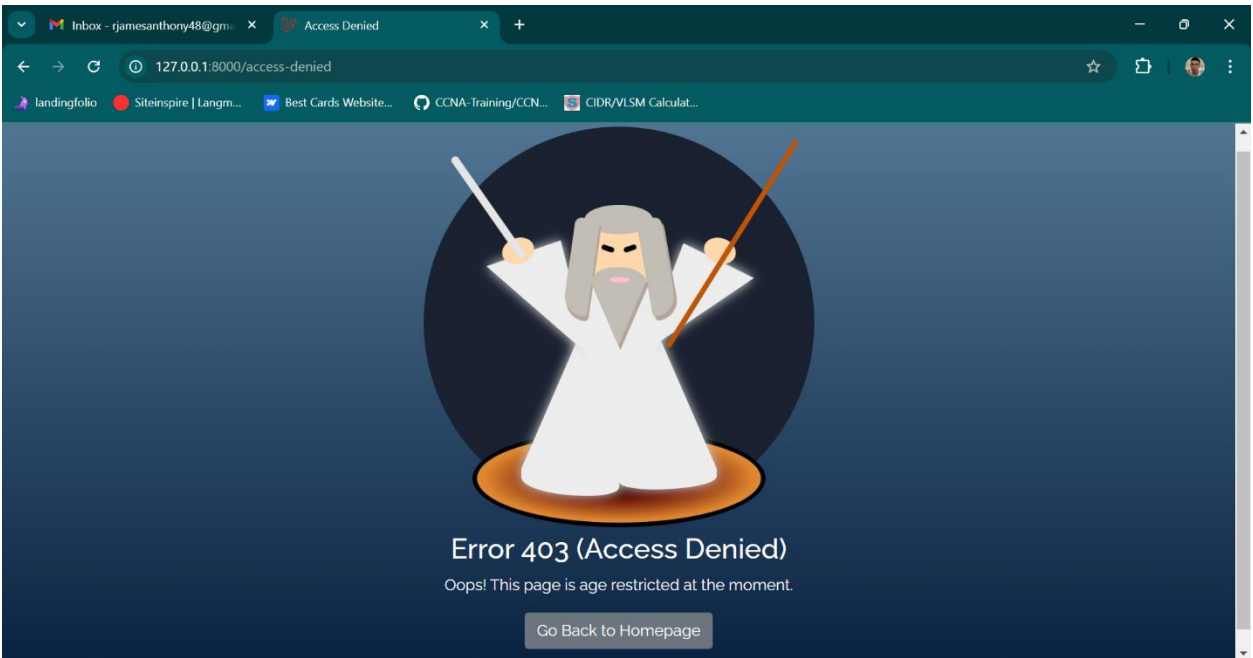
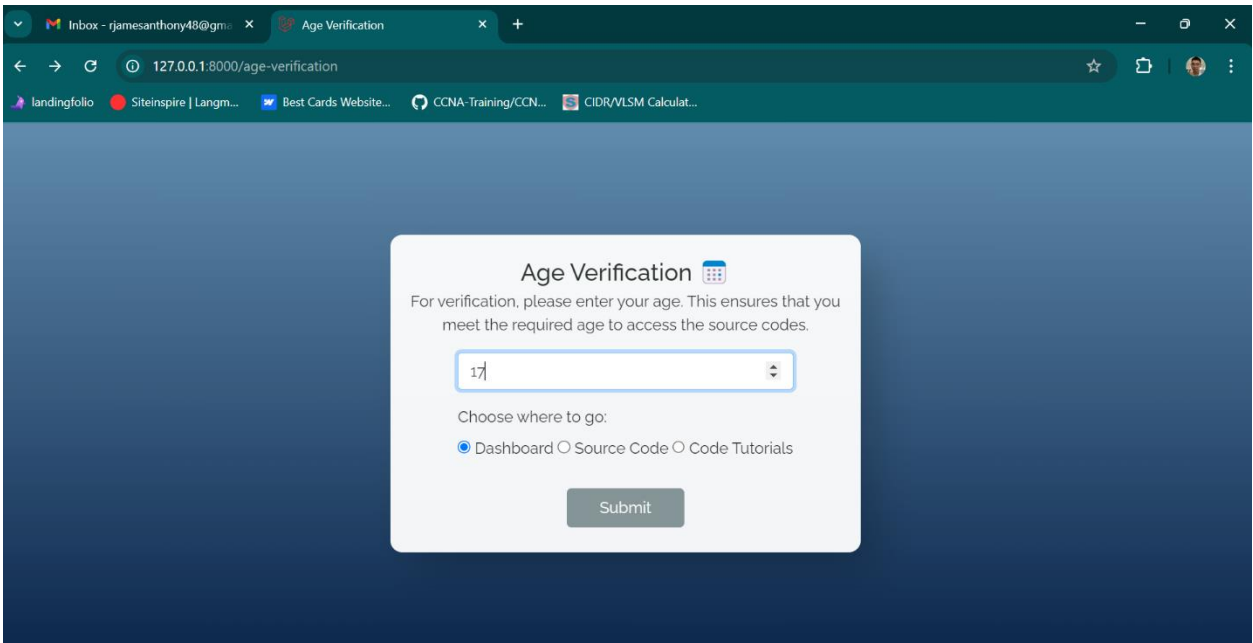
☒ Dashboard ☐ Source Code ☐ Code Tutorials

Submit

- since inputted age is 18 dashboard view is rendered (view is not completely a dashboard, it is just for the sake of testing middleware)



- age inputted is 17 (below 18 so access denied page will be returned after form is submitted)



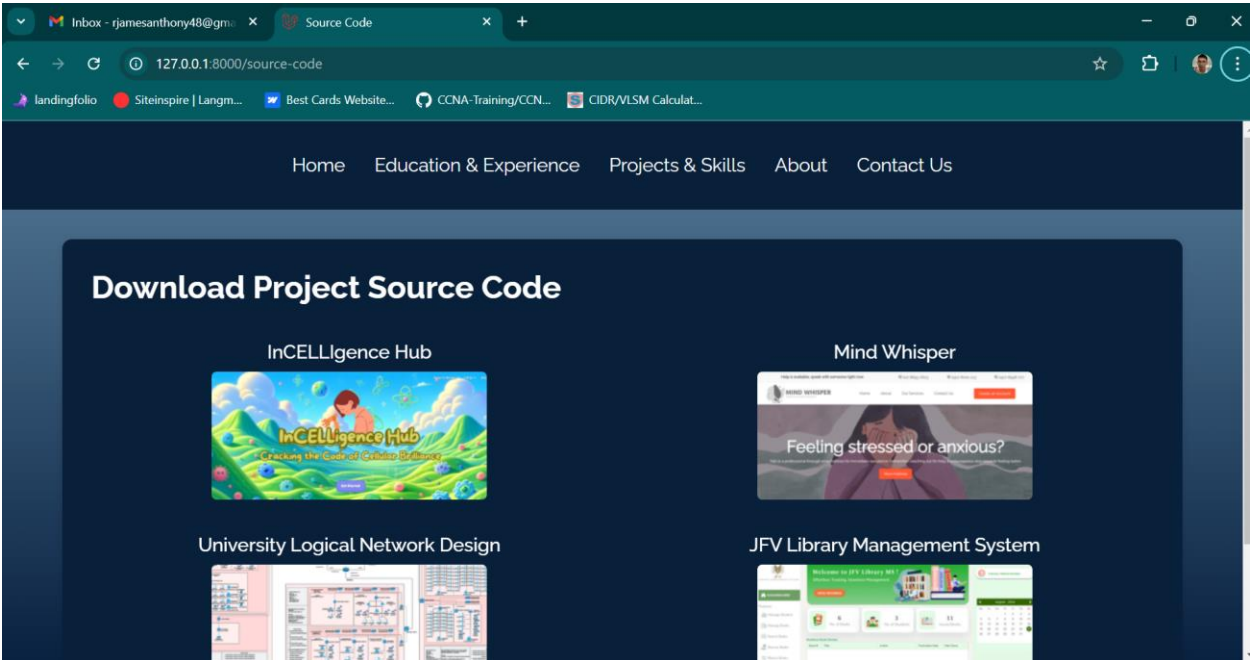
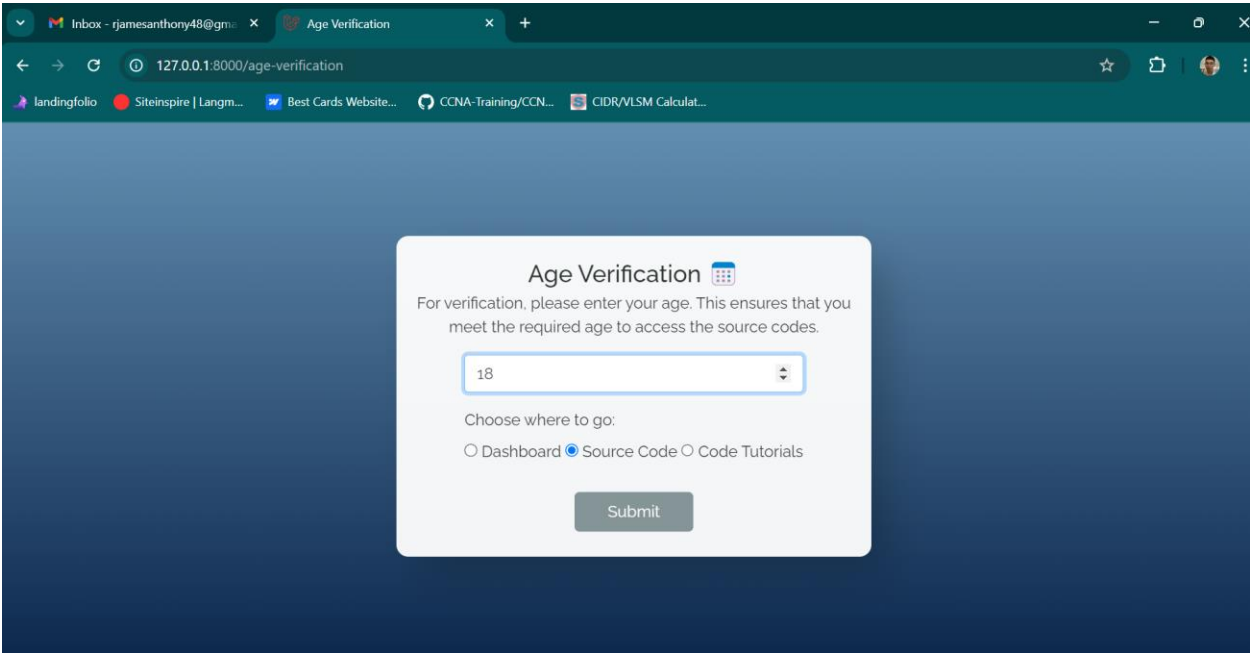
- same goes to the above, if the destination variable contains source-code then it will point to a source-code route

```
return redirect()->route(route: 'dashboard '); // Redirect to the dashboard
} else if ($destination == 'source-code') {
    return redirect()->route(route: 'source-code'); // Redirect to the source code
}
```

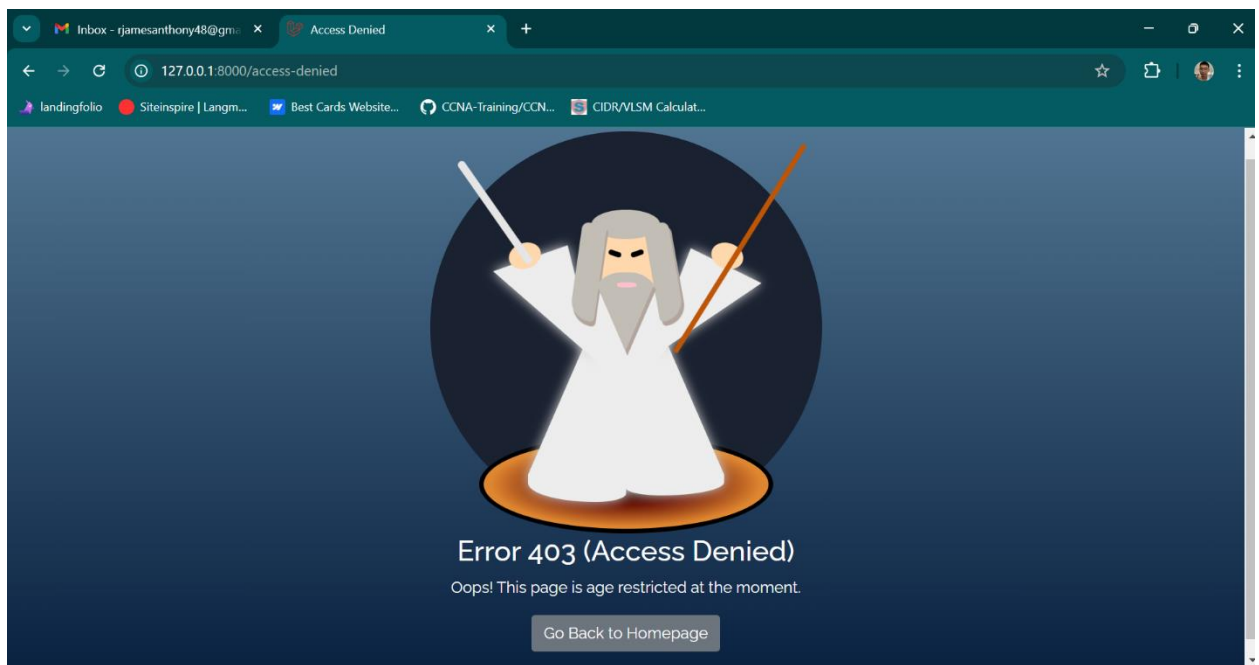
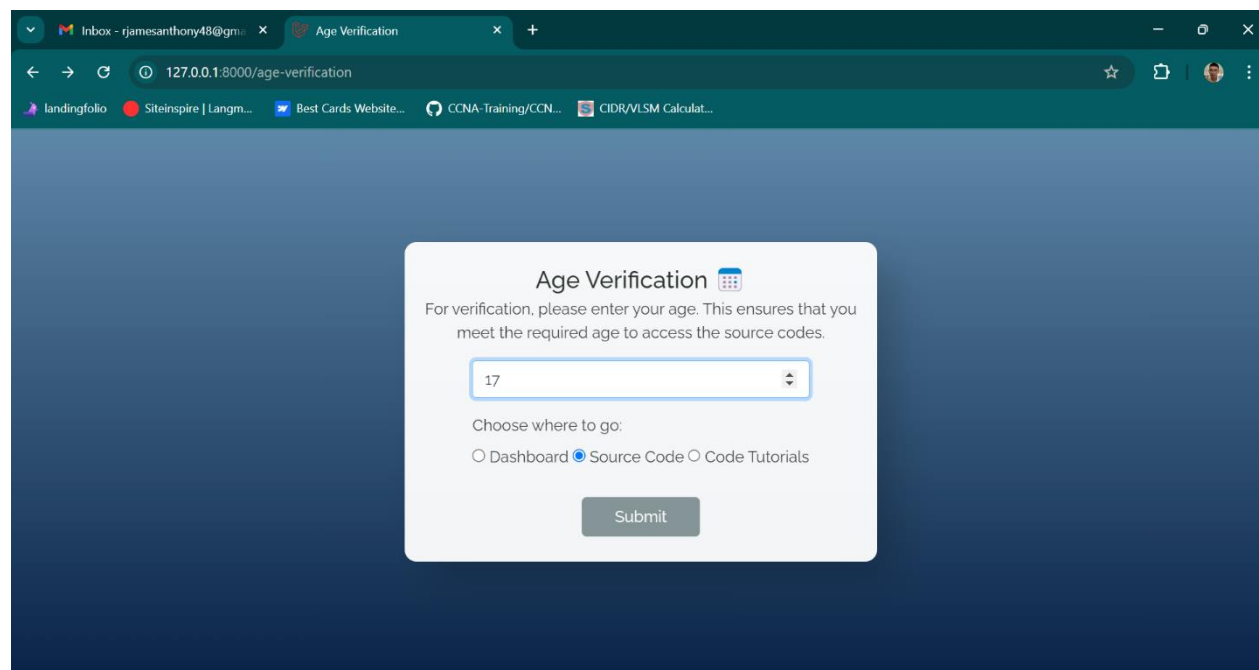
- source-code route also has the same middleware 'check_age' which has a parameter the min age which also the same in the dashboard (18)

```
// Route for restricted source code page with age restriction of 18
Route::get(uri: '/source-code', action: function (): Factory|View {
    return view(view: 'source-code'); // Your source code view
})->middleware(middleware: 'check_age:18')->name(name: 'source-code');
```

- since age is valid (18 and above) the source-code view is returned



- is age is not 18 and above returns a denied-access view



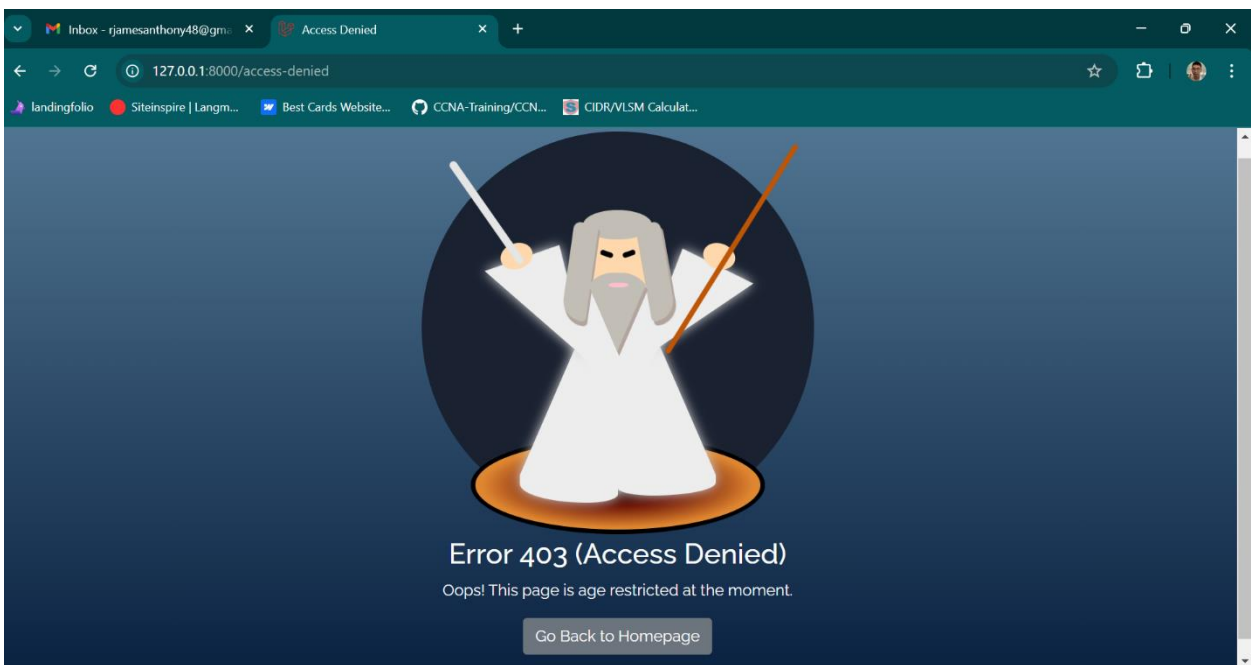
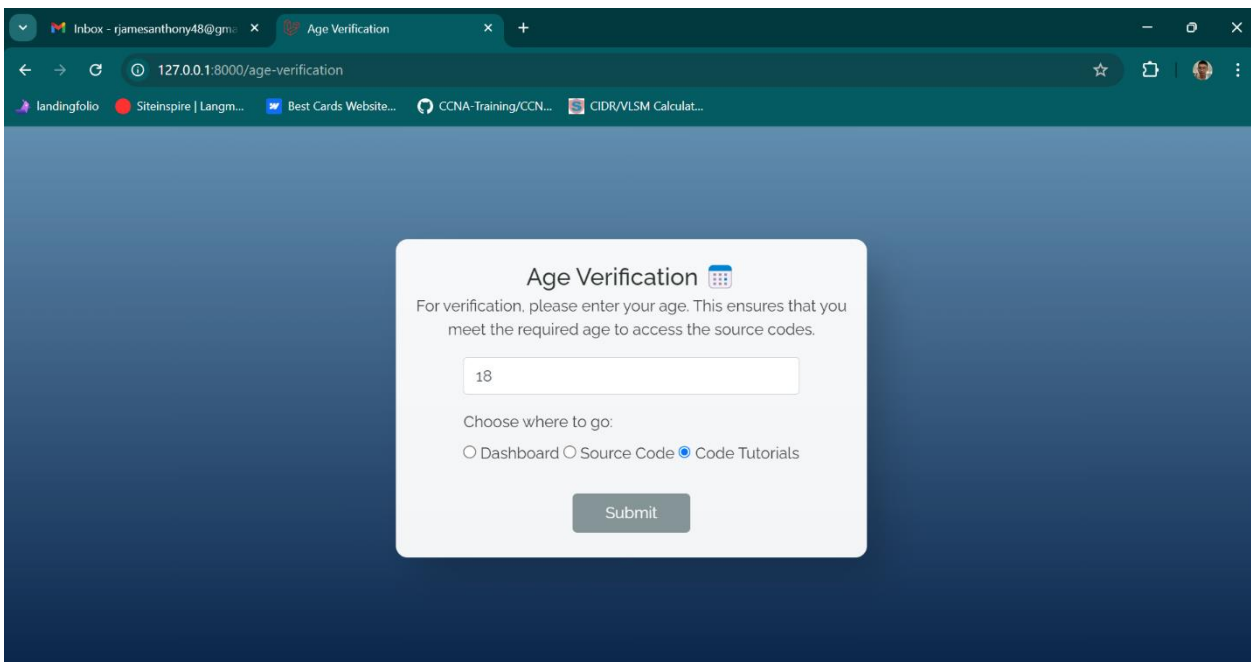
- If destination variable contains code-tutorials then it will point to the code-tutorials route (named route)

```
}  
else if ($destination === 'code-tutorials') {  
    return redirect()->route(route: 'code-tutorials'); // Redirect to the source code  
}
```

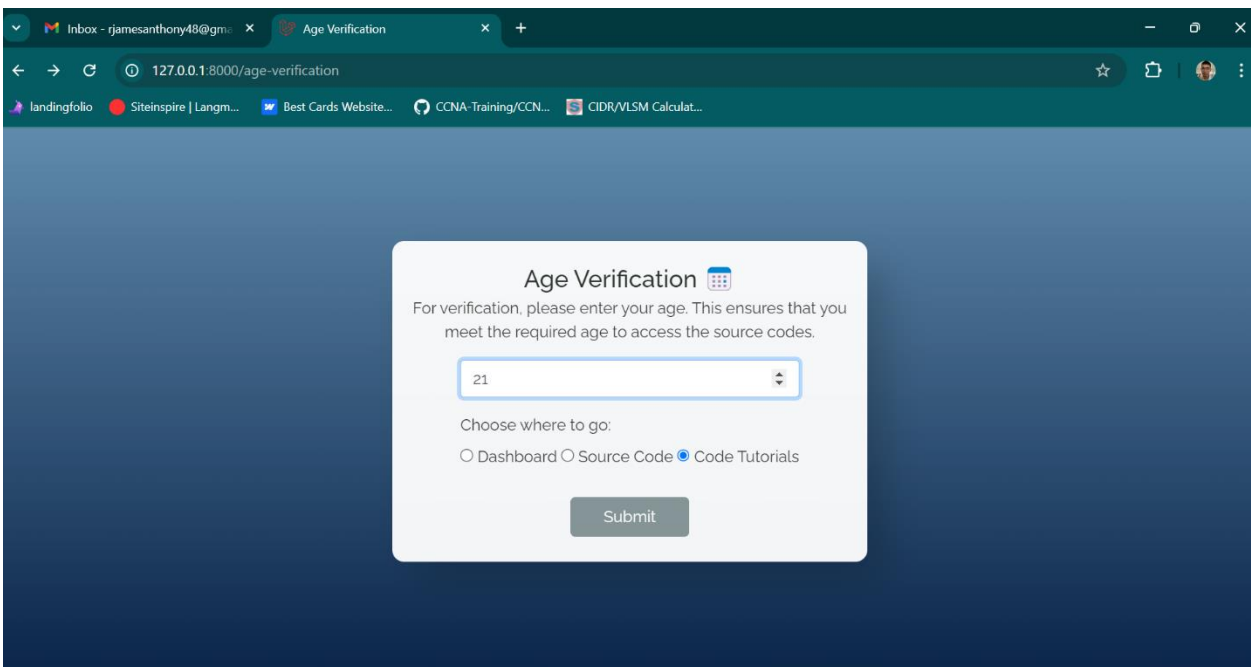
- Same middleware applied to this route but different age parameter (min age) in here it must be 21 and above

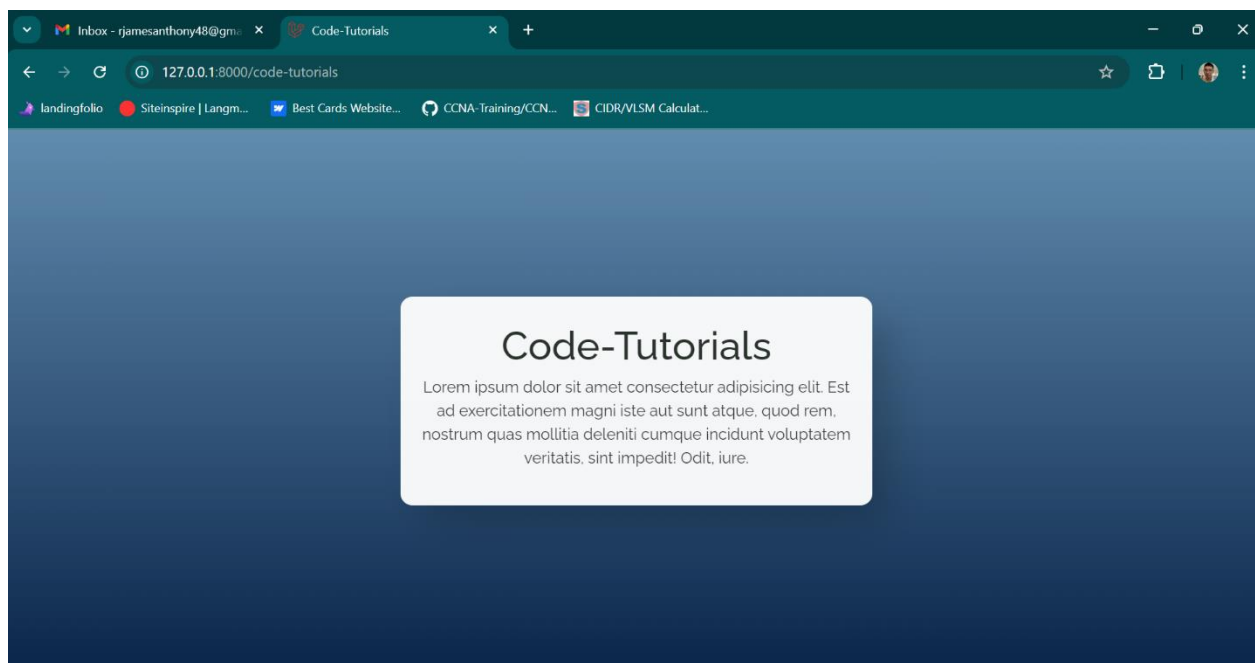
```
// New route for a different age restriction (e.g., 21 years old)  
Route::get(uri: '/code-tutorials', action: function (): Factory|View {  
    return view(view: 'code-tutorials'); // Your restricted area view  
})->middleware(middleware: 'check_age:21')->name(name: 'code-tutorials');
```

- Since parameter here (min age) is 21 then below 21 will return a denied access view



- Code-tutorials view is returned as age is 21 and above





- Originally the middleware is applied to a route group but since in the latter part of the lab act it ask for different age restrictions (parameters)

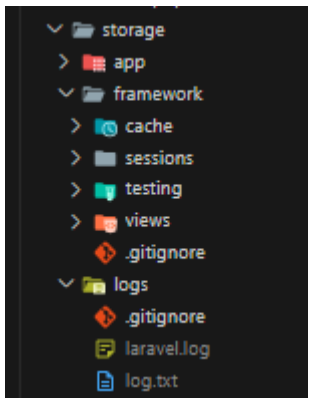
```
// Route::middleware(['check_age'])->group(function () {  
//     Route::get('/dashboard', function () {  
//         return view('dashboard'); // This route will be protected  
//     }->name('dashboard');  
  
//     Route::get('/source-code', function () {  
//         return view ('source-code'); // restricted content that requires age verification  
//     }->name('source-code');  
// });
```

- Additionally, the LogRequest middleware is registered as a global middleware using the append method in the app.php
- The CheckAge also has an alias 'check_age' for easier to remember name of the middleware

```
->withMiddleware(callback: function (Middleware $middleware): void {  
    // $middleware->append(CheckAge::class); // CheckAge is registered as a global middleware -- this will t  
    $middleware->append(middleware: LogRequests::class); // LogRequests is registered as global middleware  
    $middleware->alias(aliases: [  
        'check_age' => CheckAge::class, // Alias for CheckAge for route-specific usage  
        'log_requests' => LogRequests::class, // Alias for CheckAge for route-specific usage  
    ]);  
});
```


- The LogRequests middleware allows the request to proceed without immediate logging, but after the response is sent, it logs the request details (method, URL, timestamp) in the terminate method. It is terminable as it performs actions (logging) after the response has been fully processed, ensuring post-response tasks are handled

```
LogRequests.php M X log.txt
app > Http > Middleware > LogRequests.php > ...
2
3 namespace App\Http\Middleware;
4
5 use Closure;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Log;
8
9 class LogRequests
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): mixed
19     {
20         // Let the request proceed to the next middleware or controller
21         return $next($request);
22     }
23
24     /**
25      * Perform any final actions after the response has been sent.
26      *
27      * @param \Illuminate\Http\Request $request
28      * @param \Illuminate\Http\Response $response
29      * @return void
30      */
31     public function terminate(Request $request, $response): void
32     {
33         // Log the request details after response has been sent
34         $logMessage = sprintf(
35             format: "[%s] %s %s\n",
36             values: now()->toDateTimeString(), // Timestamp
37             $request->method(), // HTTP method
38             $request->fullUrl() // Full URL
39         );
40
41         // Append to log.txt file in the storage/logs directory
42         file_put_contents(filename: storage_path(path: 'logs/log.txt'), data: $logMessage, flags: FILE_APPEND);
43     }
44 }
45
```



LogRequests.php Mlog.txtX

storage > logs > log.txt

44

[2024-10-05 15:11:42]

GET

<http://127.0.0.1:8000/pages/source-code>

45

[2024-10-05 15:12:30]

GET

<http://127.0.0.1:8000/pages/education-experience>

46

[2024-10-05 15:12:35]

POST

<http://127.0.0.1:8000/verify-age>

47

[2024-10-05 15:12:35]

GET

<http://127.0.0.1:8000/pages/source-code>

48

[2024-10-05 15:12:44]

GET

<http://127.0.0.1:8000/pages/education-experience>

49

[2024-10-05 15:12:46]

GET

<http://127.0.0.1:8000/pages/contact-us>

50

[2024-10-05 15:12:50]

POST

<http://127.0.0.1:8000/verify-age>

51

[2024-10-05 15:12:50]

GET

<http://127.0.0.1:8000/pages/source-code>

52

[2024-10-07 05:25:29]

GET

<http://127.0.0.1:8000>

53

[2024-10-07 05:25:31]

GET

<http://127.0.0.1:8000/age-verification>

54

[2024-10-07 05:25:36]

POST

<http://127.0.0.1:8000/verify-age>

55

[2024-10-07 05:25:36]

GET

<http://127.0.0.1:8000/source-code>

56

[2024-10-07 05:25:38]

GET

<http://127.0.0.1:8000>

57

[2024-10-07 05:26:30]

GET

<http://127.0.0.1:8000/pages/education-experience>

58

[2024-10-07 06:00:54]

GET

<http://127.0.0.1:8000/pages/source-code>

59

[2024-10-07 06:01:15]

GET

<http://127.0.0.1:8000>

60

[2024-10-07 06:01:17]

GET

<http://127.0.0.1:8000>

61

[2024-10-07 06:02:51]

GET

<http://127.0.0.1:8000/age-verification>

62

[2024-10-07 11:44:55]

GET

<http://127.0.0.1:8000>

63

[2024-10-07 11:45:08]

GET

<http://127.0.0.1:8000/age-verification>

64

[2024-10-07 11:53:36]

POST

<http://127.0.0.1:8000/verify-age>

65

[2024-10-07 11:53:38]

GET

<http://127.0.0.1:8000/dashboard>

66

[2024-10-07 11:56:18]

POST

<http://127.0.0.1:8000/verify-age>

67

[2024-10-07 11:56:18]

GET

<http://127.0.0.1:8000/access-denied>

68

[2024-10-07 12:01:44]

GET

<http://127.0.0.1:8000>

69

[2024-10-07 12:02:28]

GET

<http://127.0.0.1:8000/age-verification>

70

[2024-10-07 12:06:01]

POST

<http://127.0.0.1:8000/verify-age>

71

[2024-10-07 12:06:01]

GET

<http://127.0.0.1:8000/source-code>

72

[2024-10-07 12:06:55]

POST

<http://127.0.0.1:8000/verify-age>

73

[2024-10-07 12:06:56]

GET

<http://127.0.0.1:8000/access-denied>

74

[2024-10-07 12:11:15]

GET

<http://127.0.0.1:8000>

75

[2024-10-07 12:11:18]

GET

<http://127.0.0.1:8000/age-verification>

76

[2024-10-07 12:11:31]

POST

<http://127.0.0.1:8000/verify-age>

77

[2024-10-07 12:11:31]

GET

<http://127.0.0.1:8000/code-tutorials>

78

[2024-10-07 12:11:31]

GET

<http://127.0.0.1:8000/access-denied>

79

[2024-10-07 12:12:20]

POST

<http://127.0.0.1:8000/verify-age>

80

[2024-10-07 12:12:20]

GET

<http://127.0.0.1:8000/code-tutorials>

81

[2024-10-07 12:23:53]

GET

<http://127.0.0.1:8000/code-tutorials>

82

[2024-10-07 12:24:01]

GET

<http://127.0.0.1:8000/age-verification>

83

[2024-10-07 12:24:06]

POST

<http://127.0.0.1:8000/verify-age>

84

[2024-10-07 12:24:07]

GET

<http://127.0.0.1:8000/source-code>

85

[2024-10-07 12:24:32]

POST

<http://127.0.0.1:8000/verify-age>

86

[2024-10-07 12:24:32]

GET

<http://127.0.0.1:8000/code-tutorials>

87