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BSIT 3-C

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IT ELEC 1
WEB
DEVELOPMENT

Submitted to
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Part 1: Create and Register New Middleware:

- Using the command line, create new middleware named CheckAge and LogRequests.
- The CheckAge middleware should check if a user's age is greater than or equal to 18. If the age does not meet the condition, redirect the user to an "Access Denied" page.
- LogRequests should log the details of all HTTP requests to a file called log.txt, include the URL method, and timestamp
- Register the middleware in the app/Http/Kernel.php file under the appropriate section.
- Register middleware both as global middleware and route-specific middleware.

Part 2: Assign Middleware to Routes:

- Create a route group that assigns the CheckAge middleware to a specific route.
- Ensure the middleware applies to the following routes:
 - A route that loads a welcome page.
 - A route that loads a dashboard page.
- Test the middleware by simulating different age values in the request (Test various scenarios where the middleware passes or fails the request).

Part 3: Create Middleware with Parameters:

- Modify the CheckAge middleware to accept a parameter (e.g., the minimum age requirement).
- Create a new route that assigns the middleware with a parameter to enforce a different age restriction (e.g., 21 years old).

Part 4: Documentation (Individual)

- Screenshots: Take screenshots of your Blade template files, routing configuration, and the rendered web pages.
- Explanations: Write a detailed explanation of your work:
 - Registration and use of global middleware, middleware parameters, terminable middleware

DOCUMENTATION

I have created new middleware named CheckAge and LogRequests.

```
● elainemaebertiz@Elaines-Air laravel % php artisan make:middleware EnsureTokenisValid
  INFO  Middleware [app/Http/Middleware/EnsureTokenisValid.php] created successfully.

● elainemaebertiz@Elaines-Air laravel % php artisan make:middleware CheckAge
  INFO  Middleware [app/Http/Middleware/CheckAge.php] created successfully.

● elainemaebertiz@Elaines-Air laravel % php artisan make:middleware LogRequest
  INFO  Middleware [app/Http/Middleware/LogRequest.php] created successfully.

○ elainemaebertiz@Elaines-Air laravel % █
```

This is the CheckAge middleware where it check if a user's age is greater than or equal to 18. If the age does not meet the condition, it redirect the user to an Anauthorized page.

```
public function handle(Request $request, Closure $next): Response
{
    // Check if the user has already entered their age
    Log::info(message: 'Middleware working');

    if (Session::has(key: 'user_age')) {
        $age = Session::get(key: 'user_age');
        Log::info(message: 'User age found in session: ' . $age); // Log user age

        if ($age < 18) {
            // Log::warning('User is under 18, redirecting to unauthorized page.');
            return redirect()>route(route: 'unauthorized');
        }
    }

    else{
        return redirect()>route(route: 'homepage');
    }
}

// If the user hasn't entered their age, prompt them
return redirect()>route(route: 'age_prompt');
```

This is the code for the Anauthorized page.

The user will be directed here when the condition does not meet.

```
unauthorized.blade.php ●
resources > views > unauthorized.blade.php
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      <style>
8          body {
9              font-family: Arial, sans-serif;
10             background-color: #ffd0d3;
11             color: brown;
12             display: flex;
13             justify-content: center;
14             align-items: center;
15             height: 100vh;
16             margin: 0;
17             text-align: center;
18         }
19         h1 {
20             font-size: 2.5rem;
21             margin-bottom: 20px;
22         }
23         p {
24             font-size: 1.2rem;
25             margin-bottom: 30px;
26         }
27         a {
28             text-decoration: none;
29         }
30         button {
31             background-color: #f5c6cb;
32             color: #721c24;
33             border: 2px solid #721c24;
34             padding: 10px 20px;
35             font-size: 1rem;
36             cursor: pointer;
37             border-radius: 5px;
38         }
39         button:hover {
40             background-color: #721c24;
41             color: #fff;
42         }
43     </style>
44 </head>
45 <body>
46     <div>
47         <h1>Access Denied!</h1>
48         <button>Verify Age Again</button>
49     </div>
50 </body>
51 </html>
```

```
<style>
body {
    font-family: Arial, sans-serif;
    background-color: #ffd0d3;
    color: #ce717c;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    text-align: center;
}
.container {
    background-color: #F3BABA;
    color: brown;
    padding: 30px;
    border-radius: 10px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    max-width: 500px;
    width: 100%;
}
h1 {
    margin-bottom: 10px;
    font-size: 2rem;
}
p {
    font-size: 1.2rem;
    margin-bottom: 20px;
}
input[type="number"] {
    width: 100%;
    padding: 10px;
    margin: 15px 0;
    border: 2px solid #004d40;
    border-radius: 5px;
    box-sizing: border-box;
}
button {
    background-color: #a03c4e;
    color: #fff;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
    font-size: 1.1rem;
    border-radius: 5px;
    width: 100%;
}
button:hover {
    background-color: #ffd0d3;
}
</style>
</head>
<body>
<div class="container">
    <h1>Welcome to Luckxellin Hotel!</h1>
    <p>Book now! Verify your age first.</p>
    <div class="mainContainerAgeCheck">
        <form action="{{ route(name: 'set.age') }}" method="POST">
            @csrf
            <label for="age">Please enter your age:</label>
            <input type="number" name="age" id="age" required>
            <button type="submit">Submit</button>
        </form>
    </div>
</div>
</body>
</html>
```

This is the code for the Age Prompt : where it display the webpage where user can input their age.

This is the LogRequests where it log the details of all HTTP requests to a file called log.txt, include the URL method, and timestamp.

```
public function handle(Request $request, Closure $next): Response
{
    // Log the request details
    Log::info(message: 'Incoming Request:', context: [
        'method' => $request->method(),
        'url' => $request->fullUrl(),
        'ip' => $request->ip(),
        'user_agent' => $request->userAgent(),
        'timestamp' => now()->toDateTimeString(),
    ]);

    return $next($request);
}
```

This code defines a GET route for the root URL (`/`) that uses the `CheckAge` middleware to enforce certain conditions before executing the response. It is also named `homepage` for easier reference throughout the application.

```
Route::get(uri: '/', action: function (): void {
})->middleware(middleware: [CheckAge::class])->name(name: 'homepage');
```

This code defines a GET route for the URL `/age_prompt`, which returns the `age_prompt` view when accessed. It is named `age_prompt` for easy reference throughout the application.

```
Route::get(uri: '/age_prompt', action: function (): Factory|View {
    return view(view: 'age_prompt'); // Render the age_prompt view
})->name(name: 'age_prompt');
```

This code defines a GET route for the URL `/unauthorized`, which returns the `unauthorized` view when accessed. It is named `unauthorized` for easy reference in other parts of the application.

```
Route::get(uri: '/unauthorized', action: function (): Factory|View {
    return view(view: 'unauthorized'); // Return the unauthorized view
})->name(name: 'unauthorized');
```

This code defines a POST route for the URL `/set-age`, which validates that the `age` input is a required integer that is zero or greater. If validation passes, it stores the user's age in the session, logs the session data for verification, and then redirects the user to the homepage.

```
Route::post(uri: '/set-age', action: function (Illuminate\Http\Request $request): Redirector\RedirectResponse {
    $request->validate(rules: ['age' => 'required|integer|min:0']);

    session(key: ['user_age' => $request->input(key: 'age')]);

    // Log the session to verify that user_age is set
    Log::info(message: 'Session data after setting age: ', context: session()->all());

    return redirect(to: '/'); // Redirect to a route with middleware
})->name(name: 'set_age');
```

OUTPUT

This is the output for the Age_Prompt where it allow user to input their age and it will verify its age if it will be directed to the username or anauthorized page

A screenshot of a web browser window titled "127.0.0.1". The main content area has a light red background. In the center, there is a white rectangular form with rounded corners. At the top of the form, the text "Welcome to Luckxaellin Hotel!" is displayed in a dark red font. Below this, the text "Book now! Verify your age first." is shown in a smaller, gray font. Underneath that, the instruction "Please enter your age:" is written in a gray font. Below the instruction is a text input field with a green border and a small downward arrow icon on the right side. At the bottom of the form is a dark red rectangular button with the word "Submit" in white.

If the condition is meet where it the age is greater or equal to 18, then it will proceed to the homepage. Ex. Age = 18

A screenshot of a web browser window titled "127.0.0.1". The main content area has a light red background. In the center, there is a white rectangular form with rounded corners. At the top of the form, the text "Welcome to Luckxaellin Hotel!" is displayed in a dark red font. Below this, the text "Book now! Verify your age first." is shown in a smaller, gray font. Underneath that, the instruction "Please enter your age:" is written in a gray font. Below the instruction is a text input field with a green border and a small downward arrow icon on the right side. The input field contains the number "18". At the bottom of the form is a dark red rectangular button with the word "Submit" in white.

It have been redirected to the homepage since it met the condition, where the age is equal to 18.

The screenshot shows a web browser window with the URL 127.0.0.1. The page has a pink header bar with the text "Welcome, Guest!". Below the header, there is a large image of a hotel room with a bed, a chair, and a large window overlooking a mountainous landscape. To the left of the image, there is a text block with a quote and two buttons: "Terms and Condition" and "Show Contacts".

HOME ABOUT US CONTENT CONTACT US ROOMS

Welcome, Guest!

| Experience through Elegance |

LUCXAELLIN HOTEL

Book your dream getaway!

"Where elegance meets comfort in the heart of luxury. At Lucxaellin Hotel, we redefine your stay with exceptional service, modern amenities, and a serene atmosphere designed for relaxation. Whether you're here for business, leisure, or a special occasion, our personalized touch ensures an unforgettable experience. Indulge in the finest hospitality and let Lucxaellin Hotel be your haven away from home."

Terms and Condition Show Contacts

Let see if it will accept the age greater than 18. Ex. Age = 30

The screenshot shows a web browser window with the URL 127.0.0.1. A modal dialog box is displayed in the center of the screen. The modal has a pink background and contains the text "Welcome to Lucxaellin Hotel!", "Book now! Verify your age first.", and "Please enter your age:". Below this text is a dropdown menu with the value "30" selected. At the bottom of the modal is a "Submit" button.

127.0.0.1

Welcome to Lucxaellin Hotel!

Book now! Verify your age first.

Please enter your age:

30

Submit

It have been redirected to the homepage since 30 is greater than 18 where the condition is met.

Welcome, Guest!

HOME ABOUT US CONTENT CONTACT US ROOMS

| Experience through Elegance |

LUCXAELLIN HOTEL

Book your dream getaway!

"Where elegance meets comfort in the heart of luxury. At Lucxaellin Hotel, we redefine your stay with exceptional service, modern amenities, and a serene atmosphere designed for relaxation. Whether you're here for business, leisure, or a special occasion, our personalized touch ensures an unforgettable experience. Indulge in the finest hospitality and let Lucxaellin Hotel be your haven away from home."

[Terms and Condition](#) [Show Contacts](#)

Now, let's try if what will happen if the age is less than 18.

Welcome to Lucxaellin Hotel!

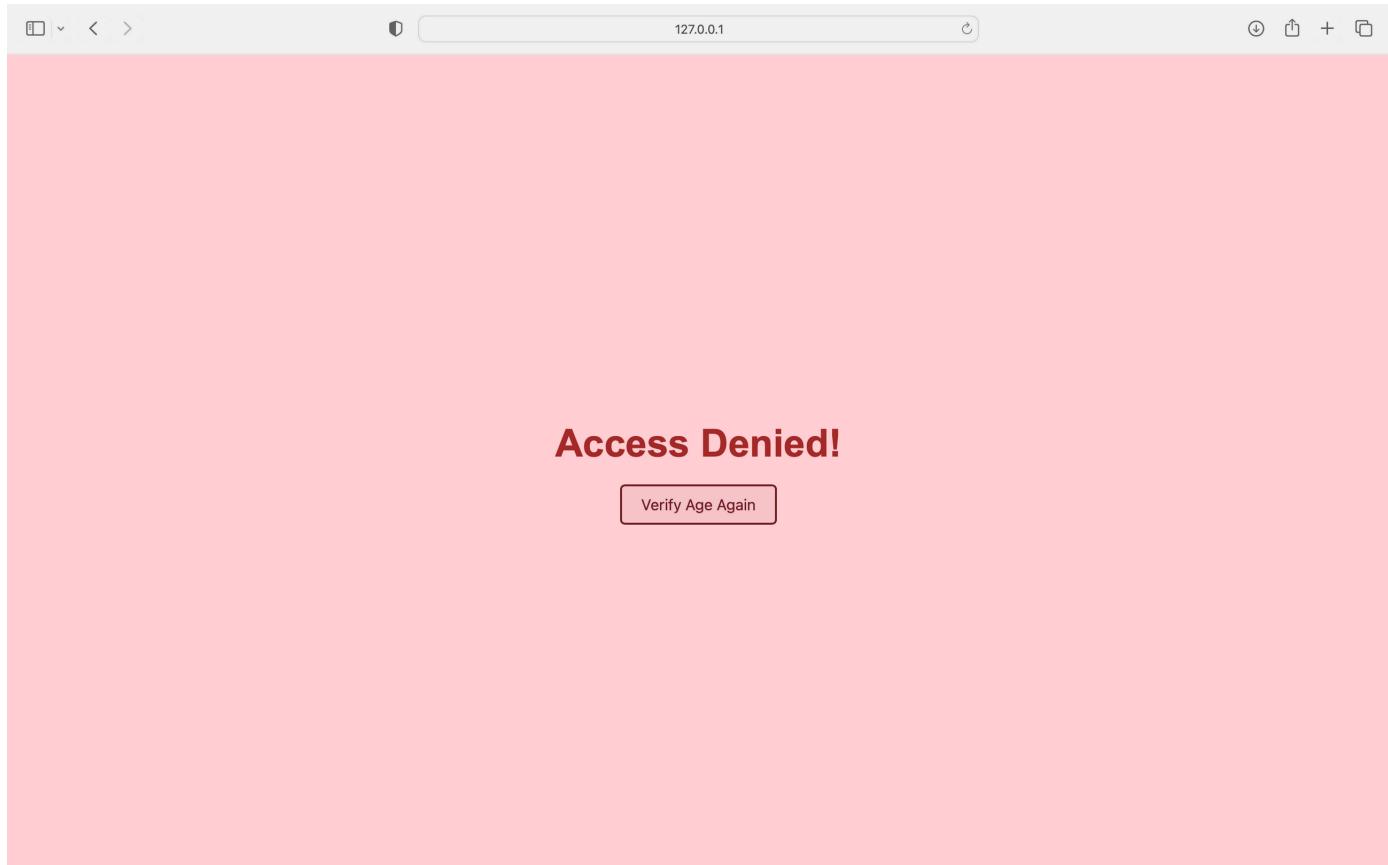
Book now! Verify your age first.

Please enter your age:

7

Submit

It has been redirected to the Anauthorized page where it shows that Access is Denied since it does not meet the condition of age must be greater than or equal to 18. It also has a button where you can verify the age again.



And if the button is clicked, it will be directed to the Age_prompt page where it will again check the age of the user.

