

IT Elec 1: WEB DEVELOPMENT

CONTROLLERS

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BSIT- 3C

CONTROLLERS:

app/Http/Controllers/HomeController.php

```
app > Http > Controllers > 🐞 HomeController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class HomeController extends Controller
8  {
9      public function index()
10     {
11         return view('home');
12     }
13 }
14
```

- This Laravel controller, HomeController, manages our home page view. When accessed, the index method returns the home view, rendering our application's homepage.

app/Http/Controllers/DashboardController.php

```
app > Http > Controllers > 🐞 DashboardController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\User;
7
8  class DashboardController extends Controller
9  {
10
11     public function index()
12     {
13         return view('dashboard');
14     }
15     public function show($userId)
16     {
17         return view('dashboard', ['userId' => $userId]);
18     }
19
20 }
```

- This Laravel controller, DashboardController, manages our dashboard view. It handles HTTP requests for /dashboard and /dashboard/{userId}, rendering a dynamic view based on user ID. The show method here requires a \$userId parameter, meaning a user ID must be provided to access the personalized dashboard.

MIDDLEWARE:

app/Http/Middleware/CheckAge.php

```
app > Http > Middleware > CheckAge.php
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use Illuminate\Http\Request;
7  use Symfony\Component\HttpFoundation\Response;
8
9  class CheckAge
10 {
11     /**
12      * Handle an incoming request.
13      *
14      * @param  \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response)  $next
15      */
16     public function handle(Request $request, Closure $next): Response
17     {
18         // Get the age from the query parameter in the URL
19         $age = $request->query('age'); // This will get the 'age' query parameter
20
21         // If age is less than 18, redirect to access denied page
22         if ($age && $age < 18) {
23             return redirect()->route('access.denied');
24         }
25
26         // If age is valid (18 or older), redirect to the dashboard
27         if ($age && $age >= 18) {
28             return redirect()->route('dashboard.user', ['userId' => 'Tel']); // Use the correct parameter name 'userId'
29         }
30         return $next($request);
31     }
32 }
```

- This Laravel middleware, CheckAge, verifies the age of incoming requests. It checks the age query parameter in the URL and redirects users under 18 to an access denied page, while users 18 or older are redirected to the dashboard page with the required \$userId parameter.

ROUTES:

routes/web.php

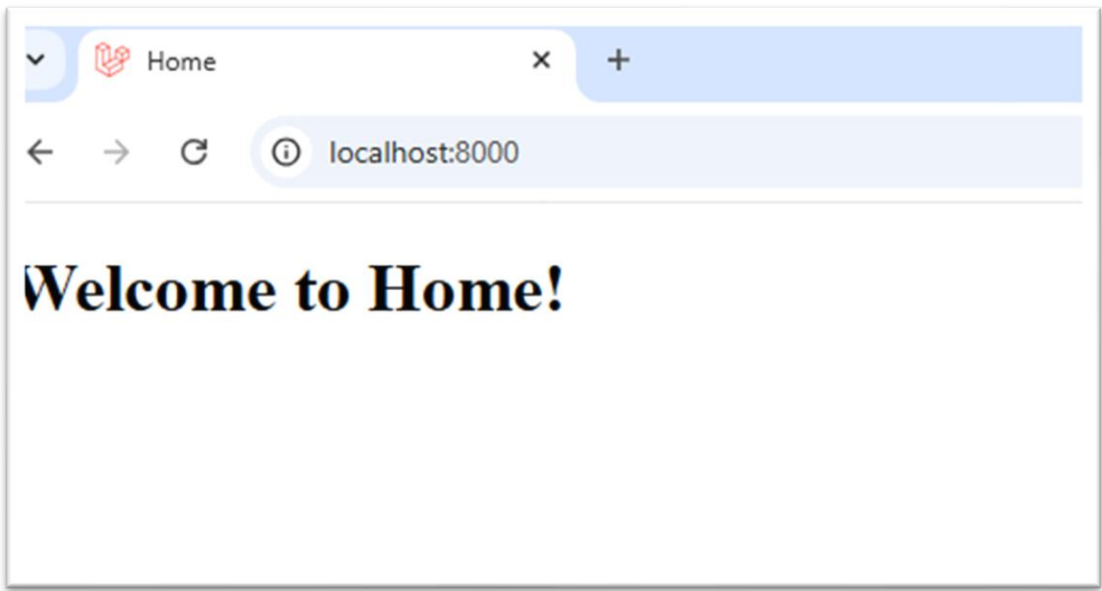
```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\HomeController;
5  use App\Http\Controllers\DashboardController;
6  use App\Http\Middleware\CheckAge;
7
8  Route::get('/', [HomeController::class, 'index'])->middleware(CheckAge::class)->name('home'); // Home page route
9
10 Route::prefix('dashboard')->group(function () {
11     Route::get('/', [DashboardController::class, 'index'])->name('dashboard.index'); // Dashboard main page
12     Route::get('/user/{userId}', [DashboardController::class, 'show'])->name('dashboard.user'); // User-specific dashboard
13 });
14
15 // Access Denied route
16 Route::get('/access-denied', function () {
17     return view('access-denied'); // Display an access denied page
18 })->name('access.denied');
```

- These Laravel routes define our application's URL structure. The home page route (/) is protected by the CheckAge middleware. The dashboard routes, including the

main page and user-specific pages (/dashboard/user/{userId}), are grouped under the 'dashboard' prefix. Additionally, an access denied route (/access-denied) displays a restricted page.

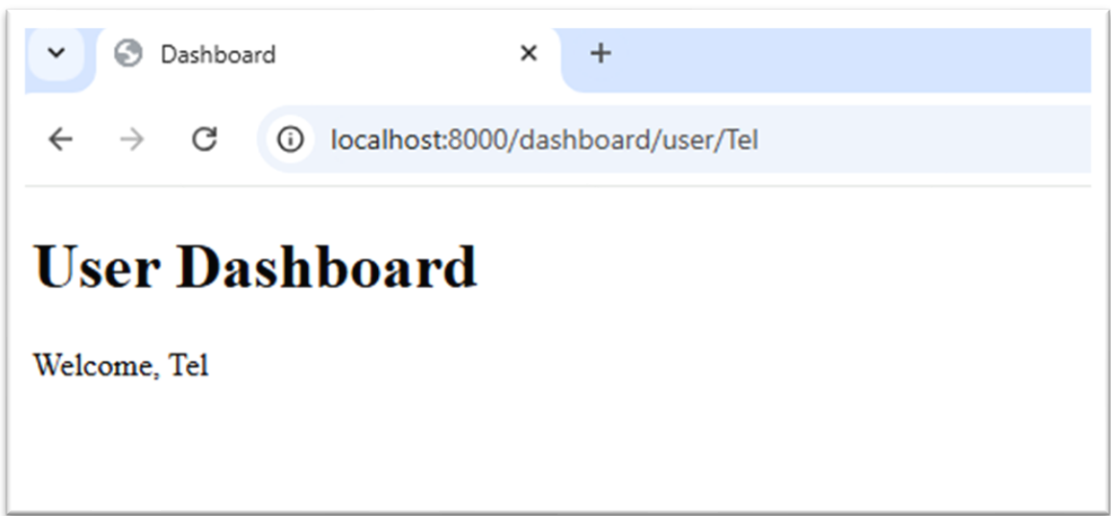
WEB PAGES:

Loading Home page:



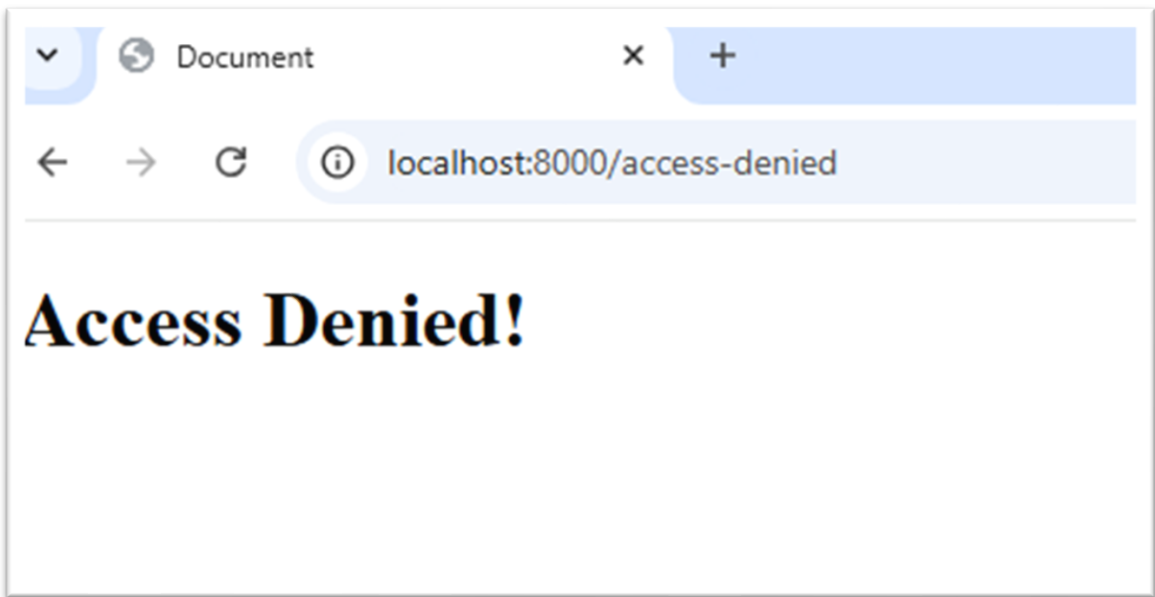
- This is the default page of our website which displays the home page.
- In here, the user will validate their age in order to be redirected to their specific page based on the middleware age restrictions.
- Example: localhost:8000/?age=21 or localhost:8000/?age=17

Age Authentication: Valid (Age >= 18)



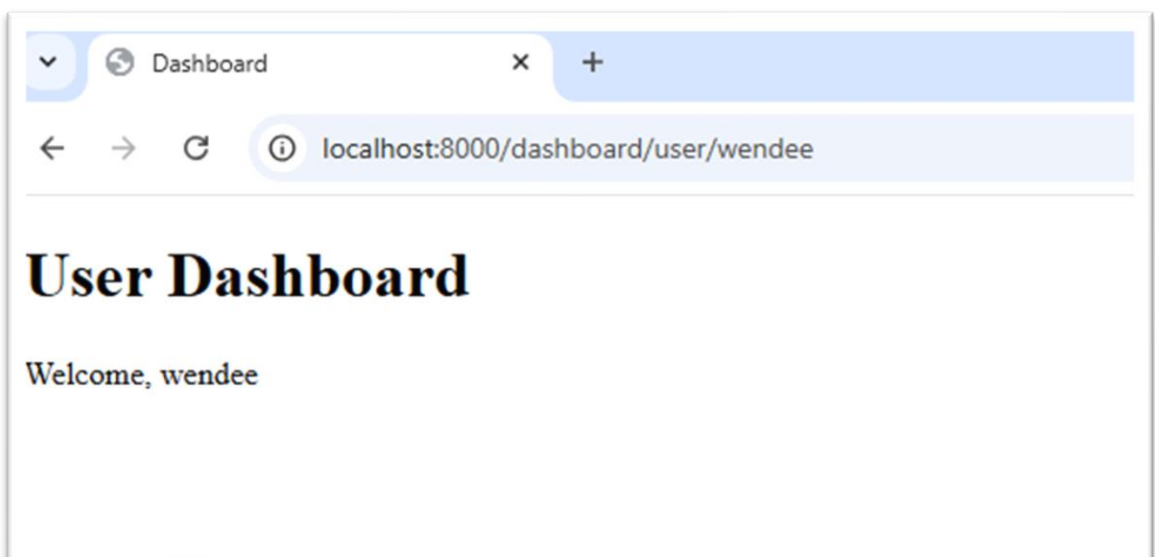
- If user's age is valid, they will be redirected to the dashboard page with a required parameter.

Age Authentication: Not Valid (Age < 18)



- If user's age is not valid, they will be redirected to an access-denied page.

Loading Dashboard with Parameter



- This is our dashboard page with a required parameter (\$userId), which displays the user's name in web page (ex. Welcome, wendee).