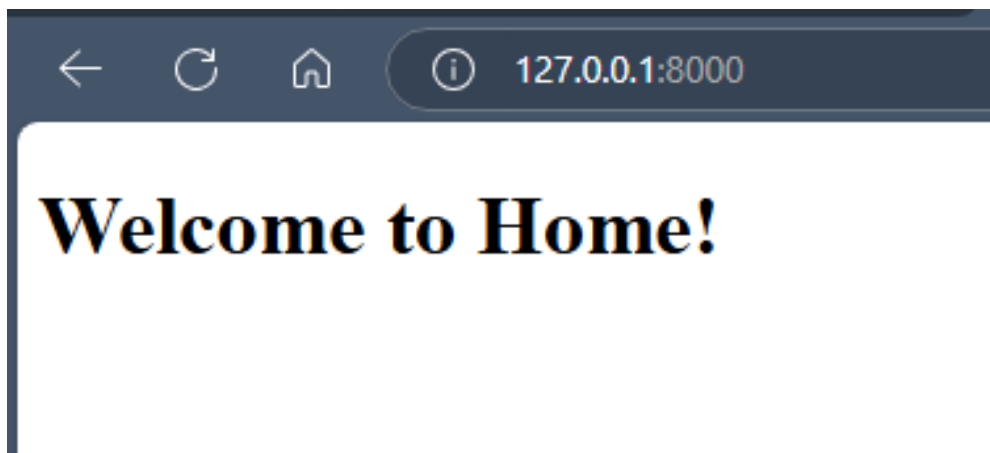


IT Elec 1: WEB DEVELOPMENT CONTROLLERS

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BSIT-3C

WEB PAGES

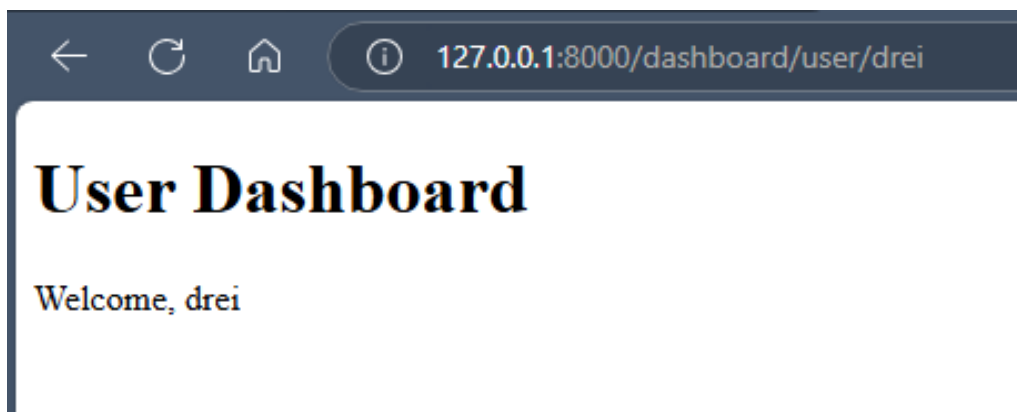
Loading Home page:



This is the default page of our website, which serves as the home page.

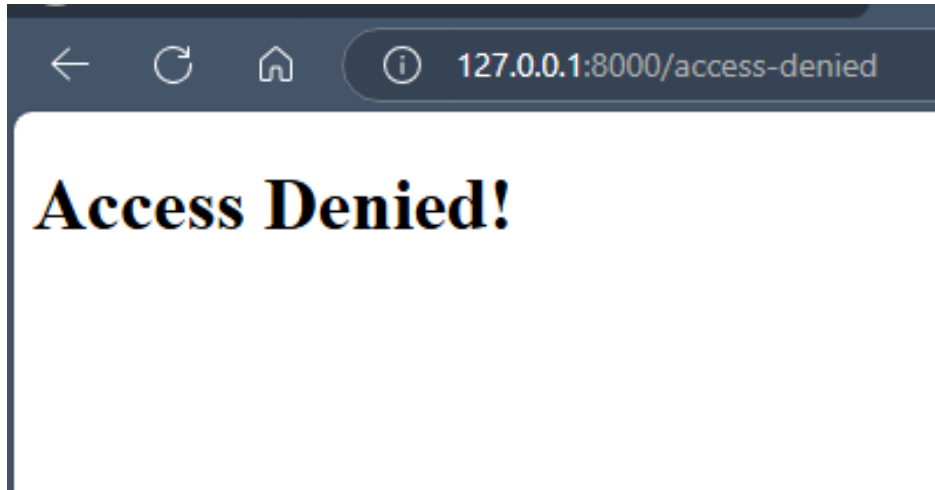
- Here, users can verify their age to be redirected to their appropriate page, depending on the age restrictions enforced by the middleware.
- For example: `localhost:8000/?age=21` or `localhost:8000/?age=17`

Age Authentication: Valid (Age \geq 18)



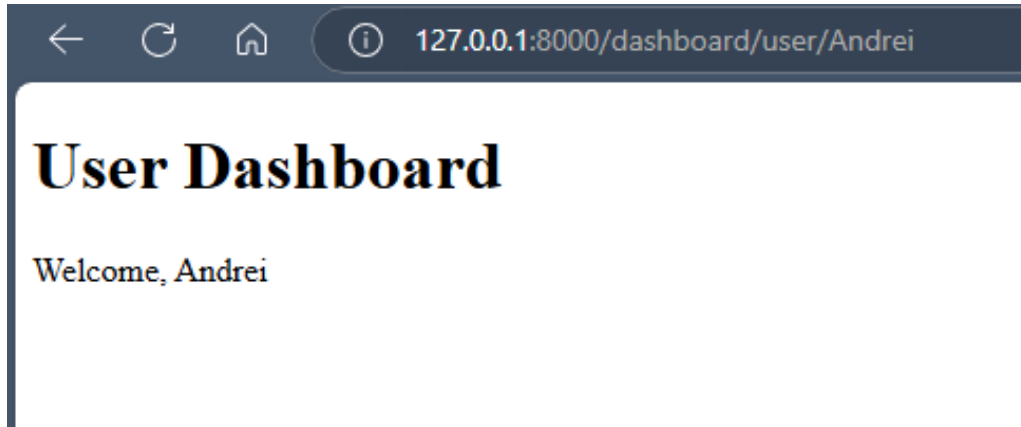
- If the user's age is valid, they will be redirected to the dashboard page along with the required parameter.

Age Authentication: Not Valid (Age < 18)



- If the user's age is invalid, they will be redirected to an access-denied page.

Loading Dashboard with Parameter



- This is the dashboard page, requiring the parameter `userId`, which displays the user's name on the webpage (e.g., "Welcome, Andrei").

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'); // Ensure you have a 'home.blade.php' view file
12     }
13 }
14
```

- this code define a HomeController in a Laravel application, which handles requests to display the homepage. The index method specifies the logic for returning the home view (home.blade.php), ensuring that when this route is accessed, the corresponding HTML content is rendered and presented to the user. This controller serves as the link between the incoming request and the homepage view.

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; // Make sure to import the User model
7
8  class DashboardController extends Controller
9  {
10
11     public function index()
12     {
13         return view('dashboard'); // Assumes a dashboard.blade.php exists in resources/views
14     }
15     public function show($userId)
16     {
17         return view('dashboard', ['userId' => $userId]); // No 'user.' prefix needed
18     }
19
20 }
21
```

- The DashboardController manages the functionality for displaying the dashboard page in a Laravel application. The index method loads a default dashboard view, while the show method accepts a user ID as a parameter and passes it to the view for further customization, such as displaying user-specific content. This ensures the dashboard is dynamic and tailored to individual users.

middleware:

app/Http/Middleware/CheckAge.php

```
app > Http > Middleware > CheckAge.php > CheckAge > handle
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 'us
29         }
30         return $next($request);
31     }
32 }
```

- This CheckAge middleware is to validate the user's age based on a query parameter in the URL. If the age is below 18, the user is redirected to an access-denied page. If the age is 18 or older, the user is redirected to the dashboard page with a specified user ID. If the age is not provided, the middleware simply allows the request to proceed to the next stage without any redirection.

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 d
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');
```

- This defines the routes for a Laravel application, including the home page and dashboard pages with age validation. The home page route uses the `CheckAge` middleware to ensure the user meets age requirements before accessing the dashboard. The dashboard routes are grouped under a `dashboard` prefix, with one for the main dashboard page and another for a user-specific dashboard page, identified by the `userId`. If a user fails age validation, they are redirected to an access-denied page.