

Middleware

dalam contoh ni, kita ada buat middleware untuk semak peranan berdasarkan column 'role' pada table users.

1. Create Middleware

Guna artisan:

```
php artisan make:middleware RoleMiddleware
```

Ini akan create file `app/Http/Middleware/RoleMiddleware.php`.

2. Edit Middleware Logic

Contoh `RoleMiddleware`:

```
“<?php

namespace App\Http\Middleware;

use Closure;
use Illuminate\Http\Request;
use Symfony\Component\HttpFoundation\Response;
use Illuminate\Support\Facades\Auth;

class RoleMiddleware
{
    /**
     * Handle an incoming request.
     *
     * @param  \Closure(\Illuminate\Http\Request):
     (\Symfony\Component\HttpFoundation\Response) $next
     */
    public function handle(Request $request, Closure $next, ...$roles): Response
    {
        $user = Auth::user();
```

```

    if (! $user) {
        return redirect()->route('login');
    }

    // Check kalau role user termasuk dalam list roles yang dibenarkan
    if (! in_array($user->role, $roles)) {
        abort(403, 'Unauthorized access');
    }

    return $next($request);
}
}

```

guna `...$roles` (spread operator), so masa panggil middleware boleh letak lebih dari satu role. contoh dalam routes pada point 4.

`return $next($request);` tu utk proceed kalau semuanya ok.

3. Register Middleware

Dalam Laravel 11, middleware global dan route middleware **daftar dalam** `bootstrap/app.php`, bukan lagi `app/Http/Kernel.php` (Kernel dah minimal).

So buka `bootstrap/app.php`, cari bahagian:

```

// ->withMiddleware(function (Middleware $middleware) {
    $middleware->alias([
        'role' => \App\Http\Middleware\RoleMiddleware::class,
    ]);
})

```

4. Guna Middleware Dalam Route

Sekarang route boleh protect ikut role:

```

// use Illuminate\Support\Facades\Route;

Route::middleware(['role:admin'])->group(function () {
    Route::get('/admin', [AdminController::class, 'index'])->name('admin.dashboard');
});

```

```
Route::middleware(['role:pengundi'])->group(function () {
    Route::get('/pengundi/cabutan', [PengundiController::class, 'cabutan'])-
>name('pengundi.cabutan');
});

Route::middleware(['role:datukbandar'])->group(function () {
    Route::get('/datukbandar', [DatukBandarController::class, 'dashboard'])-
>name('datukbandar.dashboard');
});

// kalau ada route share by 2 role
Route::middleware(['role:admin,datukbandar'])->group(function () {
    Route::get('/laporan', [ReportController::class, 'index']);
});
```

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