



Jobsheet 9

Pemrograman Web Lanjut - Minggu 11

DISUSUN OLEH:

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JURUSAN : TEKNOLOGI INFORMASI
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PROGAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

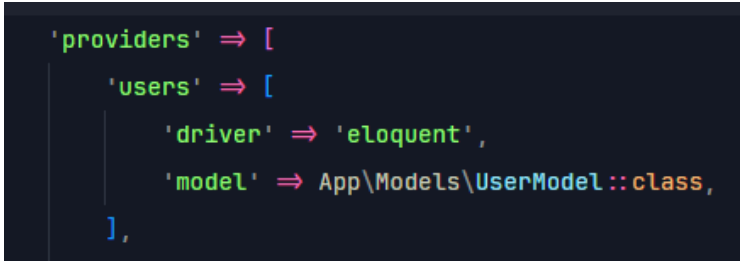
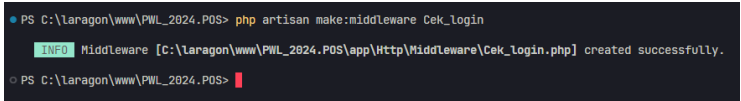
POLITEKNIK NEGERI MALANG

2024

Praktikum – Auth dan Middleware

Praktikum ini lanjutan dari pertemuan ke-4. Tabel yang digunakan untuk praktikum ini menggunakan m_user. Sebelum melakukan praktikum jalankan perintah di bawah ini

- Start Laragon atau Xampp
- Jalankan “php artisan serve”
- Jalankan “npm run dev”

No	Steps	Attachment
1.	Sebelum melangkah lebih lanjut setting file pada config/auth.php ubah pada bagian model menjadi model yang telah kita buat sebelumnya untuk menyimpan username dan password	 <pre>'providers' => ['users' => ['driver' => 'eloquent', 'model' => App\Models\UserModel::class,],],</pre>
2.	Membuat middleware dengan perintah pada cmd atau terminal <code>php artisan make:middleware Cek_login</code> Setelah itu cek didalam folder app/Http/Middleware apakah sudah ada file bernama Cek_login.php	 <pre>PS C:\laragon\www\PWL_2024.POS> php artisan make:middleware Cek_login INFO Middleware [C:\laragon\www\PWL_2024.POS\app\Http\Middleware\Cek_login.php] created successfully. PS C:\laragon\www\PWL_2024.POS></pre>

3.	<p>Kemudian tambahkan kode dibawah ini, letakkan di function handle()</p>	<pre> 0 references 0 implementations class Cek_login { /** * Handle an incoming request. * * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response) \$next */ 0 references 0 overrides public function handle(Request \$request, Closure \$next, \$roles): Response { // cek sudah login atau belum. Jika belum kembali ke halaman login if ('Auth::check()') { return redirect('login'); } // simpan data user pada variabel \$user \$user = Auth::user(); // jika user memiliki level sesuai pada kolom, lanjutkan request if (\$user->level_id == \$roles) { return \$next(\$request); } // jika tidak memiliki akses maka kembalikan ke halaman login return redirect('login')->with('error', 'maaf anda tidak memiliki akses'); } } </pre>
4.	<p>Ketika sudah membuat middleware, langkah berikutnya harus registrasikan pada kernel.php. Agar middleware dapat dibaca oleh sistem. Buka folder App/Http/Kernel.php dan tambahkan code pada variabel \$middlewareAliases seperti dibawah</p>	<pre> protected \$middlewareAliases = ['auth' => \App\Http\Middleware\Authenticate::class, 'auth.basic' => \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class, 'auth.session' => \Illuminate\Session\Middleware\AuthenticateSession::class, 'cache.headers' => \Illuminate\Http\Middleware\SetCacheHeaders::class, 'can' => \Illuminate\Auth\Middleware\Authorize::class, 'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class, 'password.confirm' => \Illuminate\Auth\Middleware\RequirePassword::class, 'precognitive' => \Illuminate\Foundation\Http\Middleware\HandlePrecognitiveRequests::class, 'signed' => \App\Http\Middleware\ValidateSignature::class, 'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class, 'verified' => \Illuminate\Auth\Middleware\EnsureEmailIsVerified::class, // tambahkan middleware alias dengan nama cek_login 'cek_login' => \App\Http\Middleware\Cek_login::class,]; </pre>
5.	<p>Membuat Controller Auth. Pada langkah ini kita akan membuat controller auth, yang dimana di dalamnya terdapat proses autentikasi dari request login. Jalankan perintah Make:controller</p> <pre>php artisan make:controller AuthController</pre> <p>Buka file App/Http/Controllers/AuthController.php yang sudah kita buat. Lalu kita akan isi perintah code untuk membuat proses autentikasi , verifikasi, dan logout</p>	<pre> PS C:\laragon\www\PWL_2024.POS> php artisan make:controller AuthController INFO Controller [C:\laragon\www\PWL_2024.POS\app\Http\Controllers\AuthController.php] created successfully. PS C:\laragon\www\PWL_2024.POS> </pre>


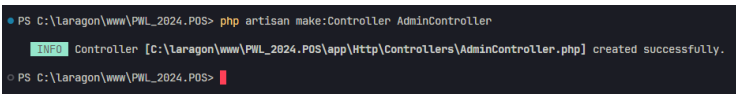

6.


Kemudian buat kode AuthController.php seperti dibawah ini

```

1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\UserModel;
6 use Dotenv\Validator;
7 use Illuminate\Contracts\Validation\Validator as ValidationValidator;
8 use Illuminate\Http\Request;
9 use Illuminate\Support\Facades\Auth;
10 use Illuminate\Support\Facades\Hash;
11 use Illuminate\Support\Facades\Validator as FacadesValidator;
12 use Illuminate\Validation\Validator as IlluminateValidationValidator;
13
14 class AuthController extends Controller
15 {
16     public function index()
17     {
18         // jika masih data user yang ada variabel $user
19         $user = Auth::user();
20
21         // kondisi jika pengguna ada
22         if ($user) {
23             // jika pengguna memiliki level admin
24             if ($user->level_id == '1') {
25                 return redirect()->intended('admin');
26             }
27             // jika pengguna memiliki level manager
28             atau if ($user->level_id == '2') {
29                 return redirect()->intended('manager');
30             }
31         }
32         return view('login');
33     }
34
35     public function proses_login(Request $request)
36     {
37         // kita buat validasi pada saat login dihalaman
38         // validasi username & password wajib diisi
39         $request->validate([
40             'username' => 'required',
41             'password' => 'required',
42         ]);
43
44         // ambil data request username & password saja
45         $credential = $request->only('username', 'password');
46         // cek jika data username dan password valid (sesuai) dengan data
47         if (Auth::attempt($credential)) {
48             // kalau berhasil akan data pengguna di variabel $user
49             $user = Auth::user();
50
51             // cek lagi jika level user admin maka arahkan ke halaman admin
52             if ($user->level_id == '1') {
53                 // dd($user->level_id);
54                 return redirect()->intended('admin');
55             }
56             // tapi jika level pengguna user biasa maka arahkan ke halaman user
57             atau if ($user->level_id == '2') {
58                 return redirect()->intended('manager');
59             }
60             return redirect()->intended('/');
61         }
62         // jika ya ada data user yang valid maka kembalikan lagi ke halaman login
63         // tambahkan pesan error jika login gagal ya
64         return redirect('login')
65             ->withInput()
66             ->withErrors(['login_gagal' => 'Pastikan kembali username dan password yang dimasukkan sudah benar!']);
67     }
68
69     public function register()
70     {
71         // tampilkan view register
72         return view('register');
73     }
74
75     // proses form register
76     public function proses_register(Request $request)
77     {
78         // kita buat validasi saat proses register
79         // validasi username & password wajib diisi
80         // validasi username itu harus unik atau tidak boleh duplicate username ya
81         $validator = FacadesValidator::make($request->all(), [
82             'name' => 'required',
83             'username' => 'required|unique:users',
84             'password' => 'required',
85         ]);
86
87         // kalau gagal kembali ke halaman register dengan pesan error
88         if ($validator->fails()) {
89             return redirect('/register')
90                 ->withErrors($validator)
91                 ->withInput();
92         }
93
94         // kalau berhasil isi level & hash passwordnya ya biar secure
95         $request['level_id'] = '2';
96         $request['password'] = Hash::make($request->password);
97
98         // masukkan semua data pada request ke table user
99         UserModel::create($request->all());
100
101         // kalau berhasil arahkan ke halaman login
102         return redirect()->route('login');
103     }
104
105     public function logout(Request $request)
106     {
107         // logout itu harus menghapus sessinya
108         $request->session()->flush();
109
110         // lanjutkan form logout pada auth
111         Auth::logout();
112
113         // kembalikan ke halaman login
114         return Redirect('login');
115     }
116 }

```

7.	Kemudian tambahkan kode pada route pada file routes/web.php seperti kode program dibawah	 <pre> 1 Route::get('login', [AuthController::class, 'index'])->name('login'); 2 Route::get('register', [AuthController::class, 'register'])->name('register'); 3 Route::post('proses_login', [AuthController::class, 'proses_login'])->name('proses_login'); 4 Route::get('logout', [AuthController::class, 'logout'])->name('logout'); 5 Route::post('proses_register', [AuthController::class, 'proses_register'])->name('proses_register'); 6 7 // kita atur juga untuk middleware menggunakan group pada routing 8 // di dalamnya terdapat group untuk mengecek kondisi login 9 // jika user yang login merupakan admin maka akan diarahkan ke AdminController 10 // jika user yang login merupakan manager maka akan diarahkan ke UserController 11 12 Route::group(['middleware' => ['auth']], function () { 13 Route::group(['middleware' => ['cek_login:1']], function () { 14 Route::resource('admin', AdminController::class); 15 }); 16 Route::group(['middleware' => ['cek_login:2']], function () { 17 Route::resource('manager', ManagerController::class); 18 }); 19 }); </pre>
8.	Kemudian buat file controller dengan nama AdminController sebagai halaman yang boleh diakses oleh admin saja. Jalankan perintah dibawah php artisan make:controller AdminController	 <pre> PS C:\laragon\www\PWL_2024.POS> php artisan make:controller AdminController INFO Controller [C:\laragon\www\PWL_2024.POS\app\Http\Controllers\AdminController.php] created successfully. PS C:\laragon\www\PWL_2024.POS> </pre>
9.	Buka folder App/Http/Controllers dan isi file AdminController seperti dibawah	 <pre> 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class AdminController extends Controller 8 { 9 public function index() 10 { 11 return view('admin'); 12 } 13 } </pre>
10.	Kemudian buat file controller dengan nama ManagerController sebagai	 <pre> PS C:\laragon\www\PWL_2024.POS> php artisan make:controller ManagerController INFO Controller [C:\laragon\www\PWL_2024.POS\app\Http\Controllers\ManagerController.php] created successfully. PS C:\laragon\www\PWL_2024.POS> </pre>

	halaman yang boleh diakses oleh admin saja. Jalankan perintah dibawah php artisan make:controller ManagerController	
11.	Buka folder App/Http/Controllers dan isi file ManagerController seperti dibawah	
12.	Pada langkah terakhir yaitu membuat layout sederhana	

13.

Buatlah halaman login dengan membuka folder resources/views dengan nama file login.blade.php. Lalu kita isi filenya seperti contoh dibawah

```

1 @extends('adminlte::auth.auth-page', ['auth_type' => 'login'])
2
3 @section('adminlte_css_pre')
4 <link rel="stylesheet" href="{{ asset('vendor/checkbox-bootstrap/checkbox-bootstrap.min.css') }}">
5 @stop
6
7 @php( $login_url = View::getSection('login_url') ?? config('adminlte.login_url', 'login') )
8 @php( $register_url = View::getSection('register_url') ?? config('adminlte.register_url', 'register') )
9 @php( $password_reset_url = View::getSection('password_reset_url') ?? config('adminlte.password_reset_url', 'password/reset') )
10
11 @if (config('adminlte.use_route_url', false))
12 @php( $login_url = $login_url ? route($login_url) : '' )
13 @php( $register_url = $register_url ? route($register_url) : '' )
14 @php( $password_reset_url = $password_reset_url ? route($password_reset_url) : '' )
15 @else
16 @php( $login_url = $login_url ? url($login_url) : '' )
17 @php( $register_url = $register_url ? url($register_url) : '' )
18 @php( $password_reset_url = $password_reset_url ? url($password_reset_url) : '' )
19 @endif
20
21 @section('auth_header', __('adminlte::adminlte.login_message'))
22
23 @section('auth_body')
24 @error('login_gagal')
25 <div class="alert alert-warning alert-dismissible fade show" role="alert">
26 <span class="alert-inner--text"><strong>Warning!</strong> {{ $message }} </span>
27 <button type="button" class="close" data-dismiss="alert" aria-label="Close">
28 <span aria-hidden="true"><times></span></button>
29 </div>
30 @enderror
31 <form action="{{ url('process_login') }}" method="post">
32 @csrf
33
34 {{-- Email field --}}
35 <div class="input-group mb-3">
36 <input type="text" name="username" class="form-control" @error('username') is-invalid @enderror
37 value="{{ old('username') }}" placeholder="Username" autofocus>
38
39 <div class="input-group-append">
40 <div class="input-group-text">
41 <span class="fas fa-envelope" {{ config('adminlte.classes_auth_icon', '') }}></span>
42 </div>
43 </div>
44
45 @error('username')
46 <span class="invalid-feedback" role="alert">
47 <strong>{{ $message }}</strong>
48 </span>
49 @enderror
50 </div>
51
52 {{-- Password field --}}
53 <div class="input-group mb-3">
54 <input type="password" name="password" class="form-control" @error('password') is-invalid @enderror
55 placeholder="{{ __('adminlte::adminlte.password') }}">
56
57 <div class="input-group-append">
58 <div class="input-group-text">
59 <span class="fas fa-lock" {{ config('adminlte.classes_auth_icon', '') }}></span>
60 </div>
61 </div>
62
63 @error('password')
64 <span class="invalid-feedback" role="alert">
65 <strong>{{ $message }}</strong>
66 </span>
67 @enderror
68 </div>
69
70 {{-- Login field --}}
71 <div class="row">
72 <div class="col-7">
73 <div class="checkbox-primary" title="{{ __('adminlte::adminlte.remember_me_hint') }}">
74 <input type="checkbox" name="remember" id="remember" {{ old('remember') ? 'checked' : '' }}>
75
76 <label for="remember">
77 {{ __('adminlte::adminlte.remember_me') }}
78 </label>
79 </div>
80 </div>
81
82 <div class="col-5">
83 <button type="submit" class="btn btn-block" {{ config('adminlte.classes_auth_btn', 'btn-flat btn-primary') }}>
84 <span class="fas fa-sign-in-alt"></span>
85 {{ __('adminlte::adminlte.sign_in') }}
86 </button>
87 </div>
88 </div>
89 </form>
90 @stop
91
92 @section('auth_footer')
93 @if ($register_url)
94 <p class="my-0">
95 <a href="{{ route('register') }}">
96 {{ __('adminlte::adminlte.register_a_new_membership') }}
97 </a>
98 </p>
99 @endif
100 @stop

```



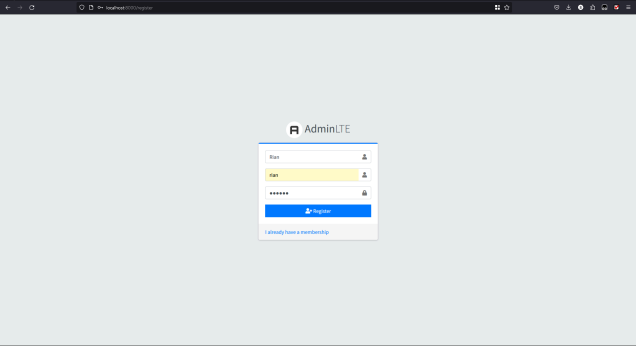
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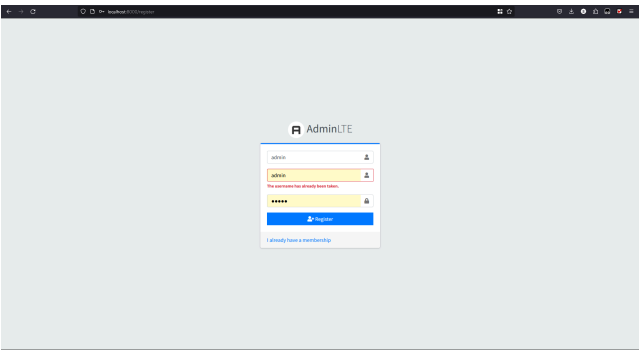
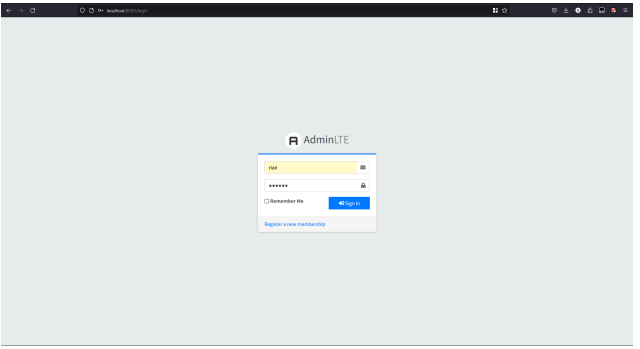
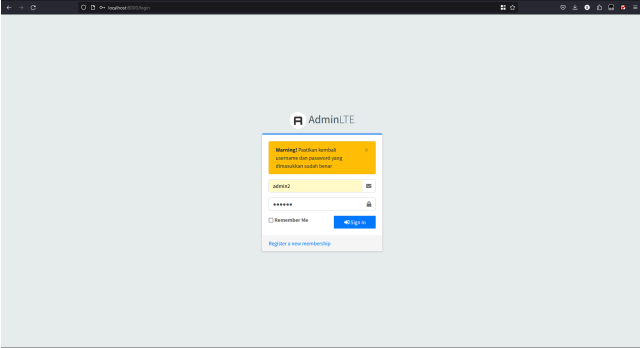
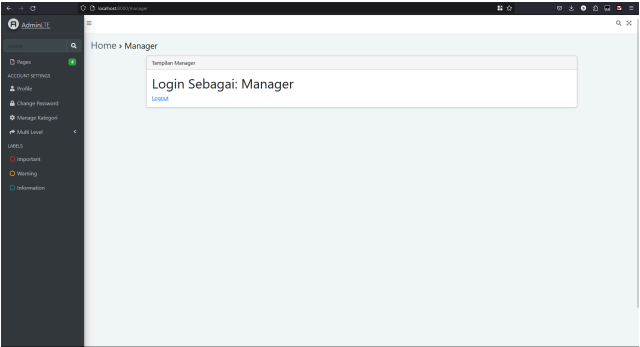
Buatlah halaman register dengan membuka folder resources/views dengan nama file register.blade.php. Lalu kita isi filenya seperti contoh dibawah

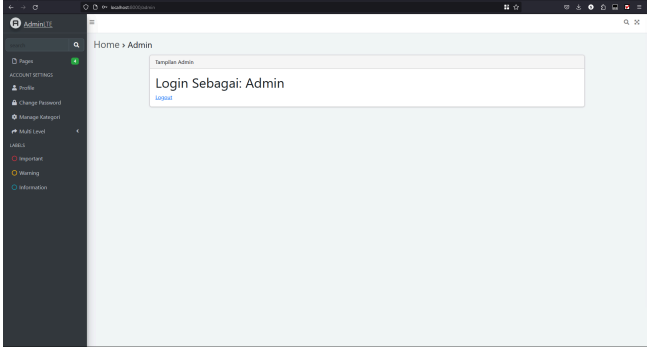
```

1 @extends('adminlte::auth.auth-page', ['auth type' => 'register'])
2
3 @section('adminlte_css_pre')
4 <link rel="stylesheet" href="{{ asset('vendor/checkbox-bootstrap/checkbox-bootstrap.min.css') }}">
5 @stop
6
7 @php( $login_url = View::getSection('login_url') ?? config('adminlte.login_url', 'login') )
8 @php( $register_url = View::getSection('register_url') ?? config('adminlte.register_url', 'register') )
9
10 @if (config('adminlte.use_route_url', false))
11 @php( $login_url = $login_url ? route($login_url) : '' )
12 @php( $register_url = $register_url ? route($register_url) : '' )
13 @else
14 @php( $login_url = $login_url ? url($login_url) : '' )
15 @php( $register_url = $register_url ? url($register_url) : '' )
16 @endif
17
18 @section('auth-header', __('adminlte::adminlte.register_message'))
19
20 @section('auth-body')
21 <form action="{{ url('proses_register') }}" method="post">
22 @csrf
23
24 {{-- Name field --}}
25 <div class="input-group mb-3">
26 <input type="text" name="name" class="form-control @error('name') is-invalid @enderror"
27 value="{{ old('name') }}" placeholder="Name" autofocus>
28
29 <div class="input-group-append">
30 <div class="input-group-text">
31 <span class="fas fa-user {{ config('adminlte.classes_auth_icon', '') }}"></span>
32 </div>
33 </div>
34
35 @error('name')
36 <span class="invalid-feedback" role="alert">
37 <strong>{{ $message }}</strong>
38 </span>
39 @enderror
40 </div>
41
42 {{-- Username field --}}
43 <div class="input-group mb-3">
44 <input type="text" name="username" class="form-control @error('username') is-invalid @enderror"
45 value="{{ old('username') }}" placeholder="Username">
46
47 <div class="input-group-append">
48 <div class="input-group-text">
49 <span class="fas fa-user {{ config('adminlte.classes_auth_icon', '') }}"></span>
50 </div>
51 </div>
52
53 @error('username')
54 <span class="invalid-feedback" role="alert">
55 <strong>{{ $message }}</strong>
56 </span>
57 @enderror
58 </div>
59
60 {{-- Password field --}}
61 <div class="input-group mb-3">
62 <input type="password" name="password" class="form-control @error('password') is-invalid @enderror"
63 placeholder="{{ __('adminlte::adminlte.password') }}">
64
65 <div class="input-group-append">
66 <div class="input-group-text">
67 <span class="fas fa-lock {{ config('adminlte.classes_auth_icon', '') }}"></span>
68 </div>
69 </div>
70
71 @error('password')
72 <span class="invalid-feedback" role="alert">
73 <strong>{{ $message }}</strong>
74 </span>
75 @enderror
76 </div>
77
78 {{-- Register button --}}
79 <button type="submit" class="btn btn-block {{ config('adminlte.classes_auth_btn', 'btn-flat btn-primary') }}">
80 <span class="fas fa-user-plus"></span>
81 {{ __('adminlte::adminlte.register') }}
82 </button>
83 </form>
84 @stop
85
86 @section('auth-footer')
87 <p class="my-0">
88 <a href="{{ route('login') }}">
89 {{ __('adminlte::adminlte.i_already_have_a_membership') }}
90 </a>
91 </p>
92 @stop

```


15.	<p>Buatlah halaman register dengan membuka folder resources/views dengan nama file admin.blade.php. Lalu kita isi filenya seperti contoh dibawah</p>	 <pre> 1 @extends('layouts.app') 2 3 {{-- Customize layout sections --}} 4 5 @section('subtitle', 'Admin') 6 @section('content_header_title', 'Home') 7 @section('content_header_subtitle', 'Admin') 8 9 @section('content') 10 <div class="container"> 11 <div class="card"> 12 <div class="card-header">Tampilkan <?php echo (Auth::user()->level_id == 1) ? 'Admin' : 'Manager'; ?></div> 13 <div class="card-body"> 14 <h1>Login Sebagai: 15 <?php echo (Auth::user()->level_id == 1) ? 'Admin' : 'Manager'; ?> 16 </h1> 17 Logout 18 </div> 19 </div> 20 </div> 21 @endsection 22 23 @push('js') 24 @endpush </pre>
16.	<p>Buatlah halaman register dengan membuka folder resources/views dengan nama file manager.blade.php. Lalu kita isi filenya seperti contoh dibawah</p>	 <pre> 1 @extends('layouts.app') 2 3 {{-- Customize layout sections --}} 4 5 @section('subtitle', 'Manager') 6 @section('content_header_title', 'Home') 7 @section('content_header_subtitle', 'Manager') 8 9 @section('content') 10 <div class="container"> 11 <div class="card"> 12 <div class="card-header">Tampilkan <?php echo (Auth::user()->level_id == 1) ? 'Admin' : 'Manager'; ?></div> 13 <div class="card-body"> 14 <h1>Login Sebagai: 15 <?php echo (Auth::user()->level_id == 1) ? 'Admin' : 'Manager'; ?> 16 </h1> 17 Logout 18 </div> 19 </div> 20 </div> 21 @endsection 22 23 @push('js') 24 @endpush </pre>
17.	<p>Jalankan kode diatas dan buat laporan dengan isi screenshoot hasil dan beri penjelasan pada setiap screenshoot hasil dan commit perubahan pada git.</p>	<ul style="list-style-type: none"> • /register  <ul style="list-style-type: none"> • /register (username taken)

		<div><p>AdminLTE</p><p>admin</p><p>admin</p><p>The username has already been taken.</p><p>*****</p><p>Remember Me</p><p>Login</p><p>I already have a membership</p></div> <ul style="list-style-type: none">• /login <div><p>AdminLTE</p><p>admin</p><p>*****</p><p>Remember Me</p><p>Login</p><p>Register a new membership</p></div> <ul style="list-style-type: none">• /login (username / password salah) <div><p>AdminLTE</p><p>Warning: Username and password are incorrect. Please try again.</p><p>admin2</p><p>*****</p><p>Remember Me</p><p>Login</p><p>Register a new membership</p></div> <ul style="list-style-type: none">• /manager <div><p>AdminLTE</p><p>Home > Manager</p><p>Template Manager</p><p>Login Sebagai: Manager</p><p>Logout</p><p>Pages</p><p>ACCOUNT SETTINGS</p><p>Profile</p><p>Change Password</p><p>Manage Roles</p><p>ADD LEVEL</p><p>LEVEL</p><p>Request</p><p>Warning</p><p>Information</p></div> <ul style="list-style-type: none">• /admin
--	--	--

		<div></div> <div><p>Hasil test middleware</p></div> <div><ul style="list-style-type: none">• User selain level_id 1 tidak dapat mengakses /admin• User selain level_id 2 tidak dapat mengakses /manager</div>
--	--	---