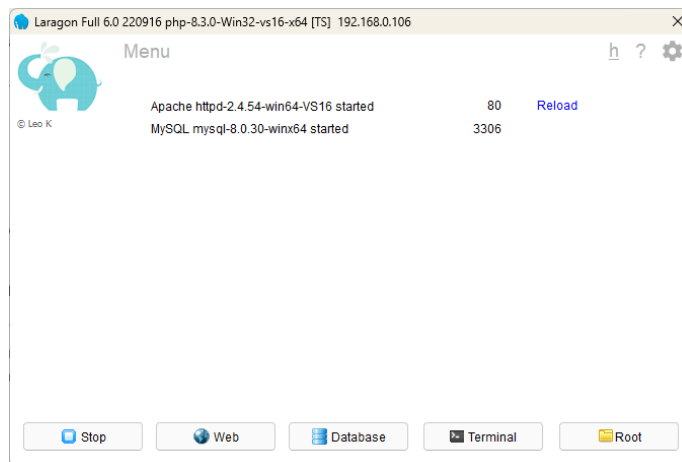


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Mata Kuliah : Pemrograman Web Lanjut Jobsheet 9 (Authentication, Middleware)

Praktikum - Auth dan Middleware

Sebelum melakukan praktikum jalankan perintah di bawah ini

- a. Start Laragon atau Xampp



- b. Jalankan “php artisan serve”

```
PS C:\laragon\www\PWL_POS> php artisan serve

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```

- c. Jalankan “npm run dev”

```
PS C:\laragon\www\PWL_POS> npm run dev

> dev
> vite

VITE v5.1.6 ready in 1656 ms

→ Local:   http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help

LARAVEL v10.47.0 plugin v1.0.2

→ APP URL: http://localhost
```

Jika 3 tahap diatas sudah dilakukan kemudian lakukan langkah-langkah praktikum di bawah ini

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

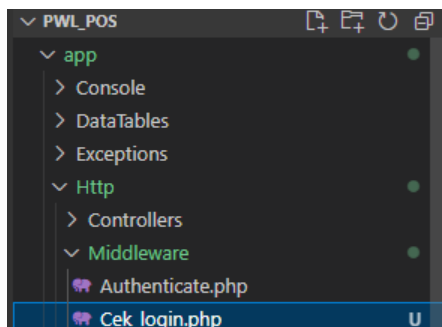
```
config > auth.php
62     'providers' => [
63         'users' => [
64             'driver' => 'eloquent',
65             'model' => App\Models\UserModel::class,
66         ],
```

2. Membuat middleware dengan perintah pada cmd atau terminal

```
PS C:\laragon\www\PWL_POS> php artisan make:middleware Cek_login

INFO Middleware [C:\laragon\www\PWL_POS\app\Http\Middleware\Cek_login.php] created successfully.
```

Setelah itu cek didalam folder app/Http/Middleware apakah sudah ada file bernama **Cek_login.php**



3. Kemudian tambahkan kode dibawah ini, letakkan di function handle()

```
app > Http > Middleware > Cek_login.php > Cek_login
17     public function handle(Request $request, Closure $next, $roles): Response
18     {
19         if(!Auth::check()){
20             return redirect('login');
21         }
22
23         $user = Auth::user();
24
25         if($user->level_id == $roles){
26             return $next($request);
27         }
28
29         return redirect('login')->with('error', 'Maaf anda tidak memiliki akses');
30     }
31 }
```

4. Ketika sudah membuat middleware, langkah berikutnya harus diregistrasikan pada **kernel.php**. Agar middleware dapat dibaca oleh sistem. Buka folder **App/Http/Kernel.php** dan tambahkan code pada variabel `$middlewareAliases` seperti dibawah

```
app > Http > Kernel.php > Kernel > $middlewareAliases
67 | | | 'cek_login' => \App\Http\Middleware\Cek_login::class,
```

5. Membuat Controller Auth. Pada langkah ini kita akan membuat controller auth, yang dimana didalamnya terdapat proses autentikasi dari request login. Jalankan perintah `make:controller`

```
PS C:\laragon\www\PWL_POS> php artisan make:controller AuthController

INFO Controller [C:\laragon\www\PWL_POS\app\Http\Controllers\AuthController.php] created successfully.
```

Buka file **App/Http/Controllers/AuthController.php** yang sudah kita buat. Lalu kita akan isi perintah code untuk membuat proses autentikasi , verifikasi, dan logout

6. Kemudian buat kode AuthController.php seperti dibawah ini

```
app > Http > Controllers > AuthController.php > ...
12 class AuthController extends Controller
13 {
14     public function index()
15     {
16         $user = Auth::user();
17
18         if ($user) {
19             if ($user->level_id == '1') {
20                 return redirect()->intended('admin');
21             } else if ($user->level_id == '2') {
22                 return redirect()->intended('manager');
23             }
24         }
25         return view('login');
26     }
}
```

```
app > Http > Controllers > AuthController.php > ...
28 public function proses_login(Request $request)
29 {
30     $request->validate([
31         'username' => 'required',
32         'password' => 'required',
33     ]);
34
35     $credential = $request->only('username', 'password');
36
37     if (Auth::attempt($credential)) {
38         $user = Auth::user();
39         if ($user->level_id == '1') {
40             return redirect()->intended('admin');
41         } else if ($user->level_id == '2') {
42             return redirect()->intended('manager');
43         }
44         return redirect()->intended('/');
45     }
46     return redirect('login')
47         ->withInput()
48         ->withErrors(['login_gagal' => 'Pastikan kembali username dan password yang dimasukkan sudah benar']);
49 }
```

```

app > Http > Controllers > AuthController.php > ...
51     public function register(){
52         return view('register');
53     }
54
55     public function proses_register(Request $request){
56         $validator = Validator::make($request->all(),[
57             'nama' => 'required',
58             'username' => 'required|unique:m_user',
59             'password' => 'required'
60         ]);
61
62         if ($validator->fails()) {
63             return redirect('/register')
64                 ->withErrors($validator)
65                 ->withInput();
66         }
67
68         $request['level_id'] = '2';
69         $request['password'] = Hash::make($request->password);
70
71         UserModel::create($request->all());
72
73         return redirect()->route('login');
74     }
75
76     public function logout(Request $request){
77         $request->session()->flush();
78
79         Auth::logout();
80
81         return Redirect('login');
82     }
83 }

```

7. Kemudian tambahkan kode pada route pada file routes/web.php seperti kode program dibawah

```

routes > web.php > ...
104 Route::get('login', [AuthController::class, 'index'])->name('login');
105 Route::get('register', [AuthController::class, 'register'])->name('register');
106 Route::post('proses_login', [AuthController::class, 'proses_login'])->name('proses_login');
107 Route::get('logout', [AuthController::class, 'logout'])->name('logout');
108 Route::post('proses_register', [AuthController::class, 'proses_register'])->name('proses_register');
109
110 Route::group(['middleware' => ['auth']], function(){
111     Route::group(['middleware' => ['cek_login:1']], function(){
112         Route::resource('admin', AdminController::class);
113     });
114     Route::group(['middleware' => ['cek_login:2']], function(){
115         Route::resource('manager', ManagerController::class);
116     });
117 });

```

8. Kemudian buat file controller dengan nama AdminController sebagai halaman yang boleh diakses oleh admin saja. Jalankan perintah dibawah

```

PS C:\laragon\www\PWL_POS> php artisan make:controller AdminController

INFO Controller [C:\laragon\www\PWL_POS\app\Http\Controllers\AdminController.php] created successfully.

```

9. Buka folder **App/Http/Controllers** dan isi file AdminController seperti dibawah

```
app > Http > Controllers > AdminController.php > AdminController > index
7  class AdminController extends Controller
8  {
9      public function index(){
10         return view('admin');
11     }
12 }
```

10. Kemudian buat file controller dengan nama ManagerController sebagai halaman yang boleh diakses oleh admin saja. Jalankan perintah dibawah

```
PS C:\laragon\www\PWL_POS> php artisan make:controller ManagerController

INFO Controller [C:\laragon\www\PWL_POS\app\Http\Controllers\ManagerController.php] created successfully.
```

11. Buka folder **App/Http/Controllers** dan isi file **ManagerController** seperti dibawah

```
app > Http > Controllers > ManagerController.php > ...
7  class ManagerController extends Controller
8  {
9      public function index(){
10         return view('manager');
11     }
12 }
```

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

```
resources > views > login.blade.php > ...
1  @extends('adminlte::auth.auth-page', ['auth_type' => 'login'])
2
3  @section('adminlte_css_pre')
4      <link rel="stylesheet" href="{{ asset('vendor/icheck-bootstrap/icheck-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 @section('auth_body')
23     @error('login_gagal')
24         <div class="alert alert-warning alert-dismissible fade show" role="alert">
25             <span class="alert-inner--text"> <strong>Warning!</strong> {{ $message }} </span>
26             <button type="button" class="close" data-dismiss="alert" aria-label="Close">
27                 <span aria-hidden="true">&times;</span></button>
28         </div>
29     @enderror
30
```

```

resources > views > login.blade.php > ...
31 <form action="{{ url('proses_login') }}" method="POST">
32     @csrf
33     {{-- Email field --}}
34     <div class="input-group mb-3">
35         <input type="text" name="username" class="form-control" @error('username') is-invalid @enderror
36             value="{{ old('username') }}" placeholder="Username" autofocus>
37         <div class="input-group-append">
38             <div class="input-group-text">
39                 <span class="fas fa-envelope" {{ config('adminlte.classes_auth_icon', '') }}></span>
40             </div>
41         </div>
42         @error('username')
43             <span class="invalid-feedback" role="alert">
44                 <strong>{{ $message }}</strong>
45             </span>
46         @enderror
47     </div>
48
49     {{-- Password field --}}
50     <div class="input-group mb-3">
51         <input type="password" name="password" class="form-control" @error('password') is-invalid @enderror
52             placeholder="{{ __('adminlte::adminlte.password') }}">
53         <div class="input-group-append">
54             <div class="input-group-text">
55                 <span class="fas fa-lock" {{ config('adminlte.classes_auth_icon', '') }}></span>
56             </div>
57         </div>
58         @error('password')
59             <span class="invalid-feedback" role="alert">
60                 <strong>{{ $message }}</strong>
61             </span>
62         @enderror
63     </div>
64
65     {{-- Login field --}}
66     <div class="row">
67         <div class="col-7">
68             <div class="icheck-primary" title="{{ __('adminlte::adminlte.remember_me_hint') }}">
69                 <input type="checkbox" name="remember" id="remember" {{ old('remember') ? 'checked' : '' }}>
70                 <label for="remember">
71                     {{ __('adminlte::adminlte.remember_me') }}
72                 </label>
73             </div>
74         </div>
75
76         <div class="col-5">
77             <button type="submit"
78                 class="btn btn-block" {{ config('adminlte.classes_auth_btn', 'btn-flat btn-primary') }}>
79                 <span class="fas fa-sign-in-alt"></span>
80                 {{ __('adminlte::adminlte.sign_in') }}
81             </button>
82         </div>
83     </div>
84 </form>
85 @stop
86
87 @section('auth_footer')
88     @if ($register_url)
89         <p class="my-0">
90             <a href="{{ route('register') }}">
91                 {{ __('adminlte::adminlte.register_a_new_membership') }}
92             </a>
93         </p>
94     @endif
95 @stop

```

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

```

resources > views > register.blade.php > form
1 @extends('adminlte::auth.auth-page', ['auth_type' => 'register'])
2
3 @php($login_url = View::getSection('login_url') ?? config('adminlte.login_url', 'login'))
4 @php($register_url = View::getSection('register_url') ?? config('adminlte.register_url', 'register'))
5
6 @if (config('adminlte.use_route_url', false))
7     @php($login_url = $login_url ? route($login_url) : '')
8     @php($register_url = $register_url ? route($register_url) : '')
9 @else
10    @php($login_url = $login_url ? url($login_url) : '')
11    @php($register_url = $register_url ? url($register_url) : '')
12 @endif

```

```
resources > views > register.blade.php > form
14 @section('auth_header', __('adminlte::adminlte.register_message'))
15
16 @section('auth_body')
17     <form action="{{ route('proses_register') }}" method="POST">
18         @csrf
19         {{-- Nama field --}}
20         <div class="input-group mb-3">
21             <input type="text" name="nama" class="form-control" @error('nama') is-invalid @enderror
22             value="{{ old('nama') }}" placeholder="Nama" autofocus>
23             <div class="input-group-append">
24                 <div class="input-group-text">
25                     <span class="fas fa-user {{ config('adminlte.classes_auth_icon', '') }}"></span>
26                 </div>
27             </div>
28             @error('nama')
29                 <span class="invalid-feedback" role="alert">
30                     <strong>{{ $message }}</strong>
31                 </span>
32             @enderror
33         </div>
```

```
resources > views > register.blade.php > form
35 {{-- Username field --}}
36 <div class="input-group mb-3">
37     <input type="text" name="username" class="form-control" @error('username') is-invalid @enderror
38     value="{{ old('username') }}" placeholder="Username" autofocus>
39     <div class="input-group-append">
40         <div class="input-group-text">
41             <span class="fas fa-user {{ config('adminlte.classes_auth_icon', '') }}"></span>
42         </div>
43     </div>
44     @error('username')
45         <span class="invalid-feedback" role="alert">
46             <strong>{{ $message }}</strong>
47         </span>
48     @enderror
49 </div>
50
51 {{-- Password field --}}
52 <div class="input-group mb-3">
53     <input type="password" name="password" class="form-control" @error('password') is-invalid @enderror
54     placeholder="{{ __('adminlte::adminlte.password') }}">
55     <div class="input-group-append">
56         <div class="input-group-text">
57             <span class="fas fa-lock {{ config('adminlte.classes_auth_icon', '') }}"></span>
58         </div>
59     </div>
60     @error('password')
61         <span class="invalid-feedback" role="alert">
62             <strong>{{ $message }}</strong>
63         </span>
64     @enderror
65 </div>
```

```
resources > views > register.blade.php > form
67 {{-- Register button --}}
68 <button type="submit" class="btn btn-block {{ config('adminlte.classes_auth_btn', 'btn-flat btn-primary') }}">
69     <span class="fas fa-user-plus"></span>
70     {{ __('adminlte::adminlte.register') }}
71 </button>
72 </form>
73 @stop
74
75 @section('auth_footer')
76     <p class="my-0">
77         <a href="{{ route('login') }}">
78             {{ __('adminlte::adminlte.i_already_have_a_membership') }}
79         </a>
80     </p>
81 @stop
```

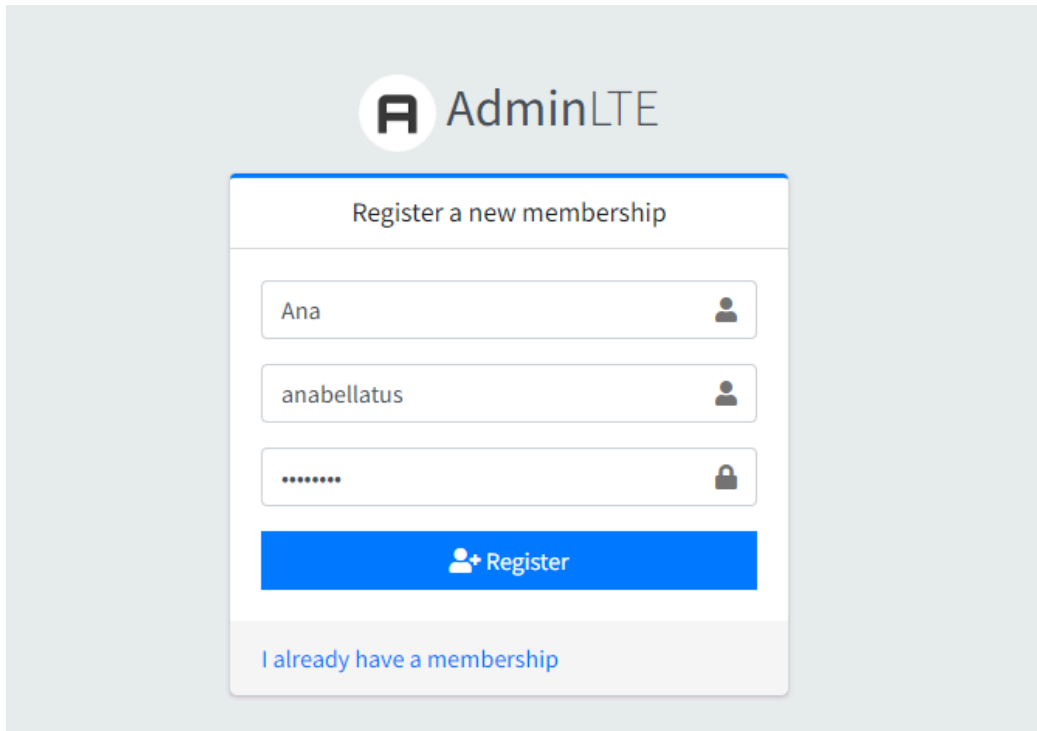
15. Buatlah halaman register dengan membuka folder resources/views dengan nama file **admin.blade.php**. Lalu kita isi filenya seperti contoh dibawah

```
resources > views > admin.blade.php > ...
1  @extends('layouts.app')
2
3  @section('subtitle', 'Admin')
4  @section('content_header_title', 'Home')
5  @section('content_header_subtitle', 'Admin')
6
7  @section('content')
8      <div class="container">
9          <div class="card">
10             <div class="card-header"> Tampilan <?php echo Auth::user()->level_id == 1 ? 'Admin' : 'Manager'; ?>
11             <div class="card-body">
12                 <h1>Login Sebagai:
13                 <?php echo Auth::user()->level_id == 1 ? 'Admin' : 'Manager'; ?>
14                 </h1>
15                 <a href="{{ route('logout') }}">Logout</a>
16             </div>
17         </div>
18     </div>
19 </div>
20 @endsection
21
22 @push('js')
23 @endpush
```

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

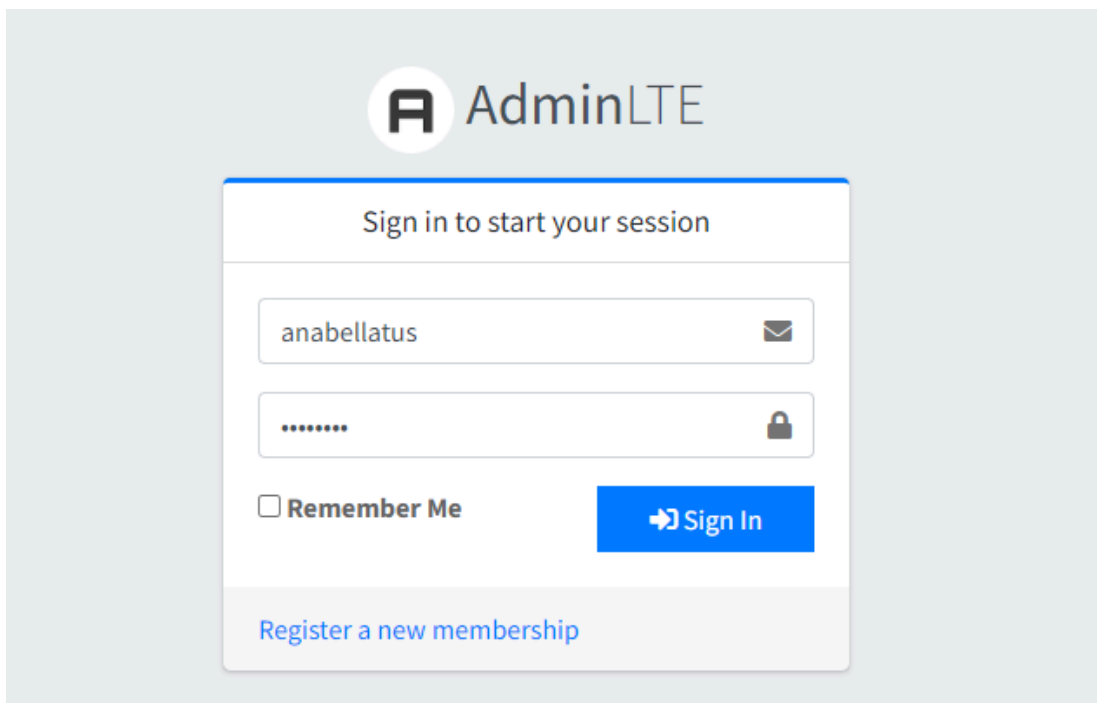
```
resources > views > manager.blade.php > ...
1  @extends('layouts.app')
2
3  @section('subtitle', 'Manager')
4  @section('content_header_title', 'Home')
5  @section('content_header_subtitle', 'Manager')
6
7  @section('content')
8      <div class="container">
9          <div class="card">
10             <div class="card-header"> Tampilan <?php echo Auth::user()->level_id == 1 ? 'Admin' : 'Manager'; ?>
11             <div class="card-body">
12                 <h1>Login Sebagai:
13                 <?php echo Auth::user()->level_id == 1 ? 'Admin' : 'Manager'; ?>
14                 </h1>
15                 <a href="{{ route('logout') }}">Logout</a>
16             </div>
17         </div>
18     </div>
19 </div>
20 @endsection
21
22 @push('js')
23 @endpush
```


17. Jalankan kode diatas dan buat laporan dengan isi screenshoot hasil dan beri penjelasan pada setiap screenshoot hasil dan commit perubahan pada git.
localhost/PWL_POS/public/register



The screenshot shows the 'AdminLTE' logo at the top. Below it is a white box with a blue border titled 'Register a new membership'. Inside the box, there are three input fields: the first contains 'Ana' with a person icon, the second contains 'anabellatus' with a person icon, and the third contains seven dots with a lock icon. Below these fields is a blue button with a person icon and the text 'Register'. At the bottom of the box is a link that says 'I already have a membership'.

localhost/PWL_POS/public/login



The screenshot shows the 'AdminLTE' logo at the top. Below it is a white box with a blue border titled 'Sign in to start your session'. Inside the box, there are two input fields: the first contains 'anabellatus' with an envelope icon, and the second contains seven dots with a lock icon. Below these fields is a checkbox labeled 'Remember Me' and a blue button with a right arrow icon and the text 'Sign In'. At the bottom of the box is a link that says 'Register a new membership'.

