

PEMROGRAMAN WEB LANJUT

JOBSHEET 05

BLADE VIEW, WEB TEMPLATING(Admin LTE), DATATABLES

Praktikum 1 – Layouting AdminLTE

1. Kita download **AdminLTE v3.2.0** yang rilis pada 8 Feb 2022

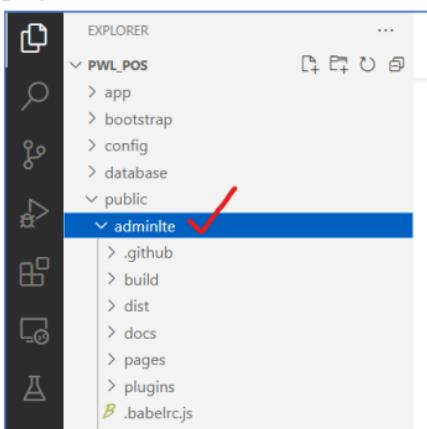
The screenshot shows the GitHub release page for AdminLTE v3.2.0. It includes the following details:

- Release Date:** Feb 8, 2022
- Author:** REJack
- Version:** v3.2.0
- Commit:** bd4d9c7
- Compare:** Compare link
- Title:** AdminLTE v3.2.0 (Latest)
- Breaking Change:** We dropped official node v12, it might be still work but we won't give support for any node 12 bugs/errors.
- Top-Features:**
 - Enhanced Dark Mode
 - SVG Font Awesome Icon support
 - Docker dev-preset
 - Reworked Dark/Light colors
 - Custom Scrollbar style (Non-Plugin-Scrollbar)
- Contributors:** forxer, liljack, and 16 other contributors
- Assets:**
 - Source code (zip) (highlighted with a red checkmark)
 - Source code (tar.gz)
- Reactions:** 493, 56, 79, 166, 51, 23, 643 people reacted

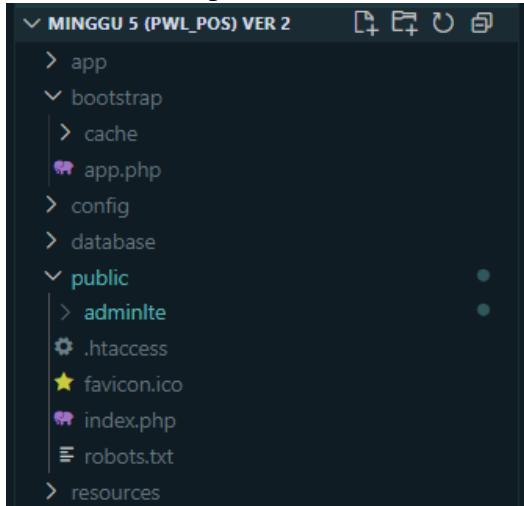
⇒ Download AdminLTE



2. Setelah kita berhasil download, kita ekstrak file yang sudah di download ke folder project **PWL_POS/public**, kemudian kita **rename** folder cukup menjadi **adminlte**

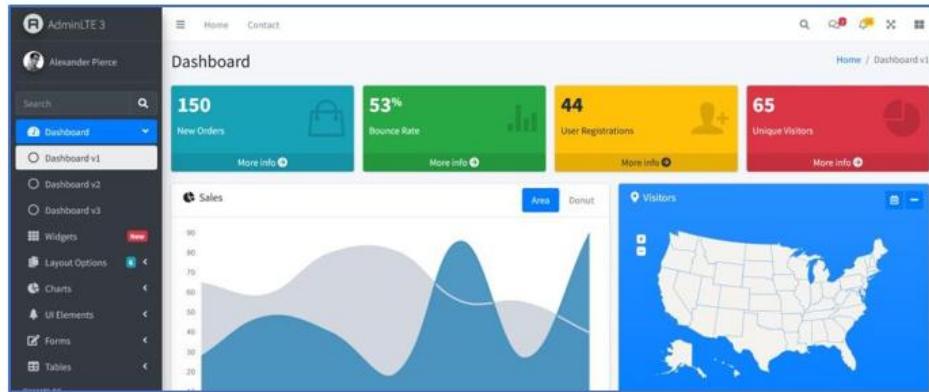


⇒ Extract bootstrap AdminLte

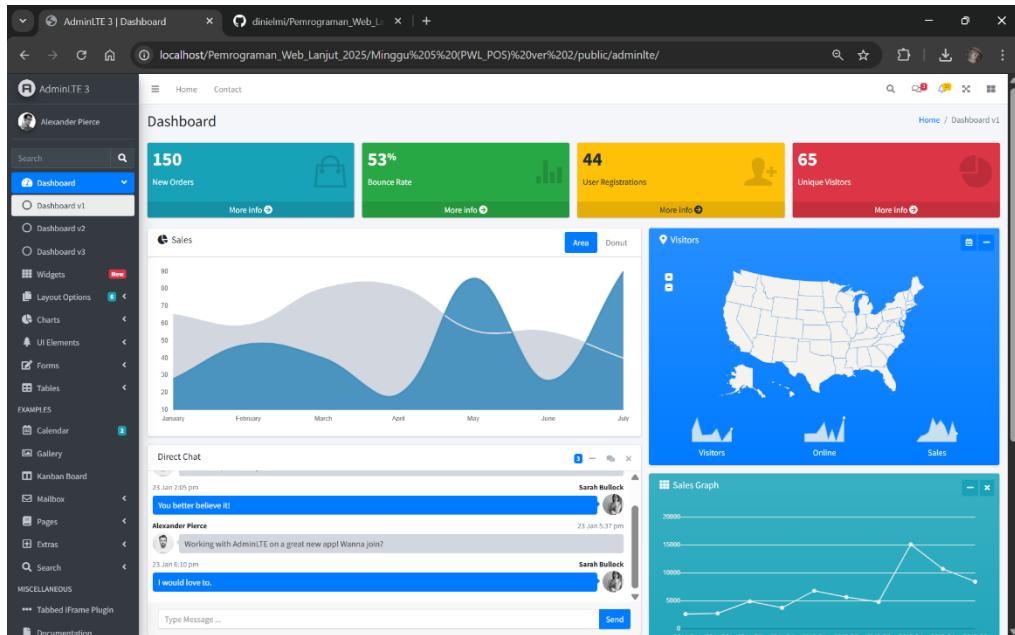


3. Selanjutnya kita buka di browser dengan alamat

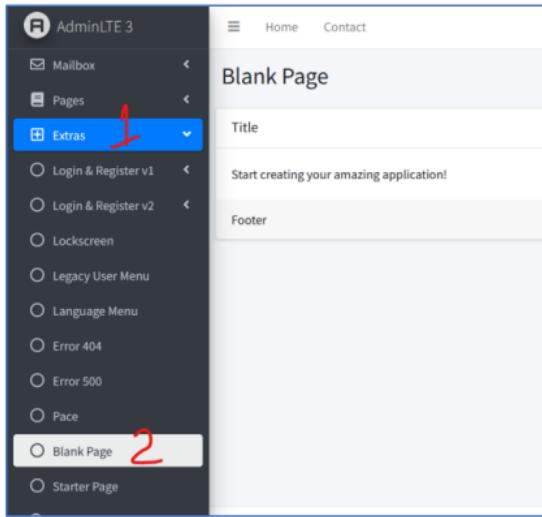
http://localhost/PWL_POS/public/adminlte maka akan muncul tampilan seperti berikut



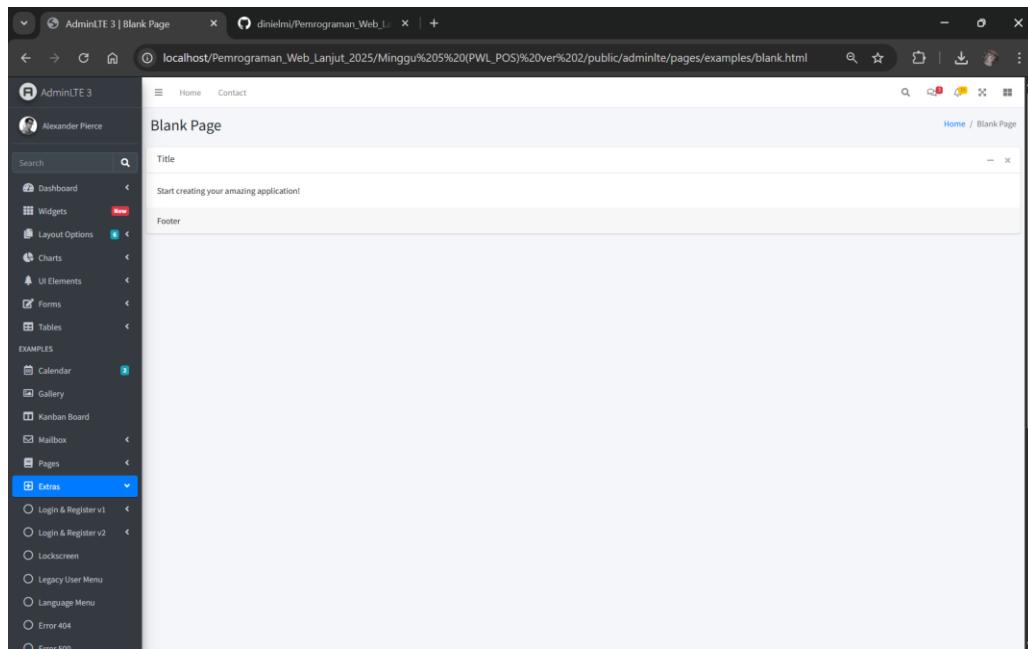
⇒ Halaman Browser



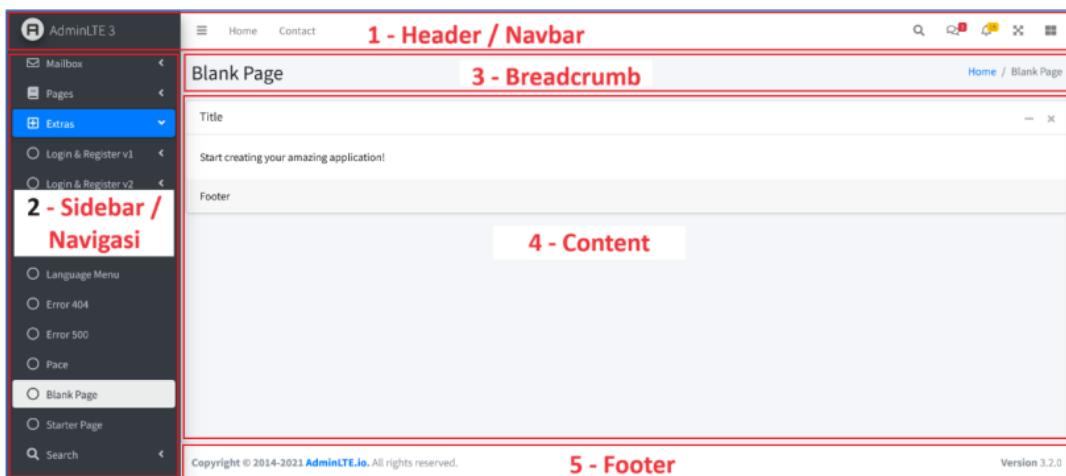
4. Kita klik menu Extras > Blank Page, page inilah yang akan menjadi dasar web template



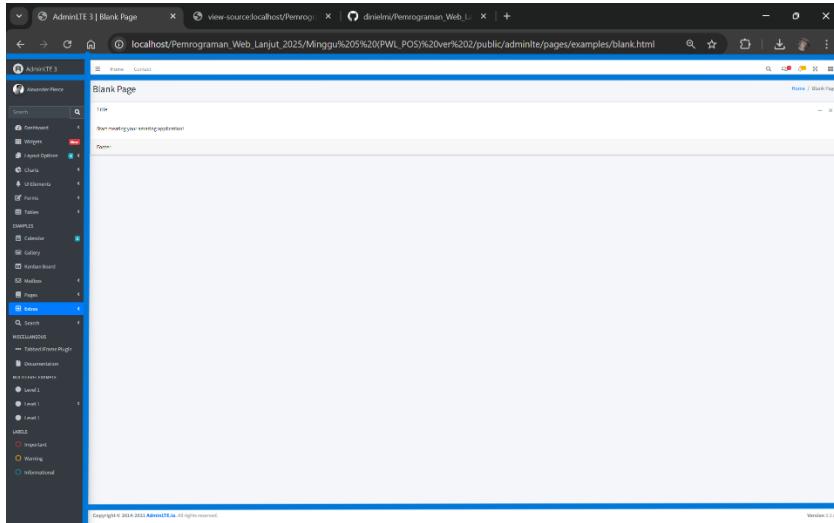
⇒ Halaman Browser



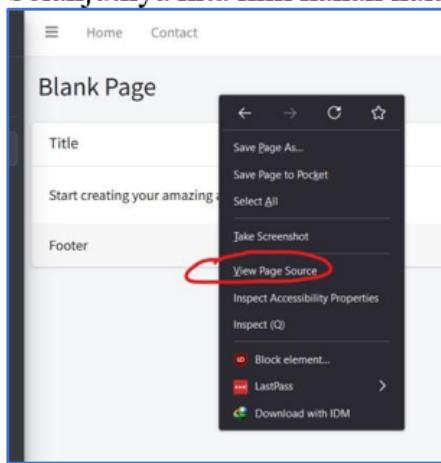
5. Dari sini kita bisa melakukan layouting halaman Blank Page ini menjadi 4 element seperti pada gambar berikut



⇒ Halaman Browser



6. Selanjutnya kita klik kanan halaman **Blank Page** dan klik **view page source**



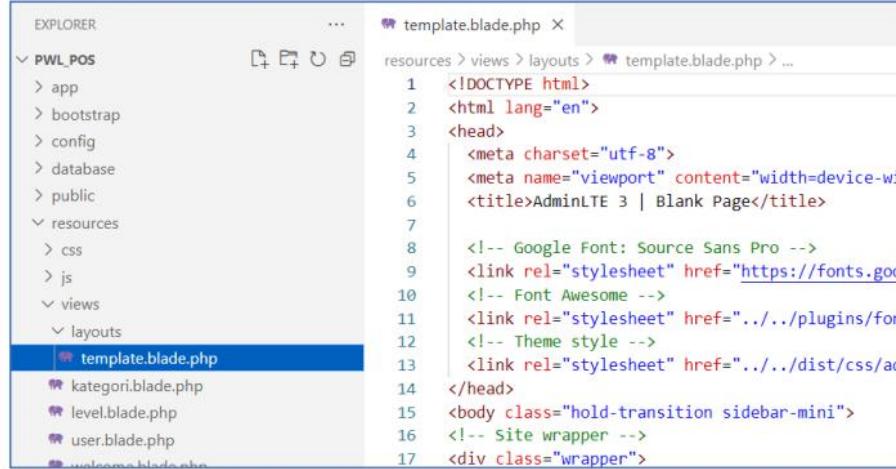
⇒ Page Source

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>AdminLTE 3 | Blank Page</title>

  <!-- Google Font: Source Sans Pro -->
  <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400italic,700,700italic&display=fallback">
  <link rel="stylesheet" href="../../plugins/fontawesome-free/css/all.min.css">
  <link rel="stylesheet" href="../../dist/css/adminlte.min.css">
</head>
<body class="hold-transition sidebar-mini">
  <div class="wrapper">

    <nav class="main-header navbar navbar-expand navbar-light">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a href="#" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
        </li>
        <li class="nav-item d-none d-sm-inline-block">
          <a href="#" href="#" class="home-link">Home</a>
        </li>
        <li class="nav-item d-none d-sm-inline-block">
          <a href="#" href="#" class="contact-link">Contact</a>
        </li>
      </ul>
      <ul class="navbar-nav ml-auto">
        <li class="nav-item">
          <a class="nav-link" data-widget="navbar-search" href="#" role="button">
            <i class="fa fa-search"></i>
          </a>
        </li>
        <li class="nav-item dropdown">
          <form class="form-inline">
            <div class="input-group input-group-sm">
              <input class="form-control form-control-navbar" type="search" placeholder="Search" aria-label="Search">
              <div class="input-group-append">
                <button class="btn btn-navbar" type="submit">
                  <i class="fas fa-search"></i>
                </button>
                <button class="btn btn-navbar" type="button" data-widget="navbar-search">
                  <i class="fas fa-times"></i>
                </button>
              </div>
            </div>
          </form>
        </li>
      </ul>
    </nav>
    <div class="content-wrapper">
      <div class="nav-item dropdown">
        <a class="nav-link dropdown-item" href="#" data-toggle="dropdown" href="#" role="button">
          <span class="badge badge-danger navbar-badge">3</span>
        </a>
        <div class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
          <a href="#" class="dropdown-item">
            <div class="media">
              
              <div class="media-body">.....</div>
            </div>
          </a>
        </div>
      </div>
    </div>
  </div>
</body>
</html>
```

7. Selanjutnya kita copy page source dari halaman **Blank Page**, kemudia kita *paste* pada **PWL_POS/resource/view/layouts/template.blade.php** (buat dulu folder **layouts** dan file **template.blade.php**)

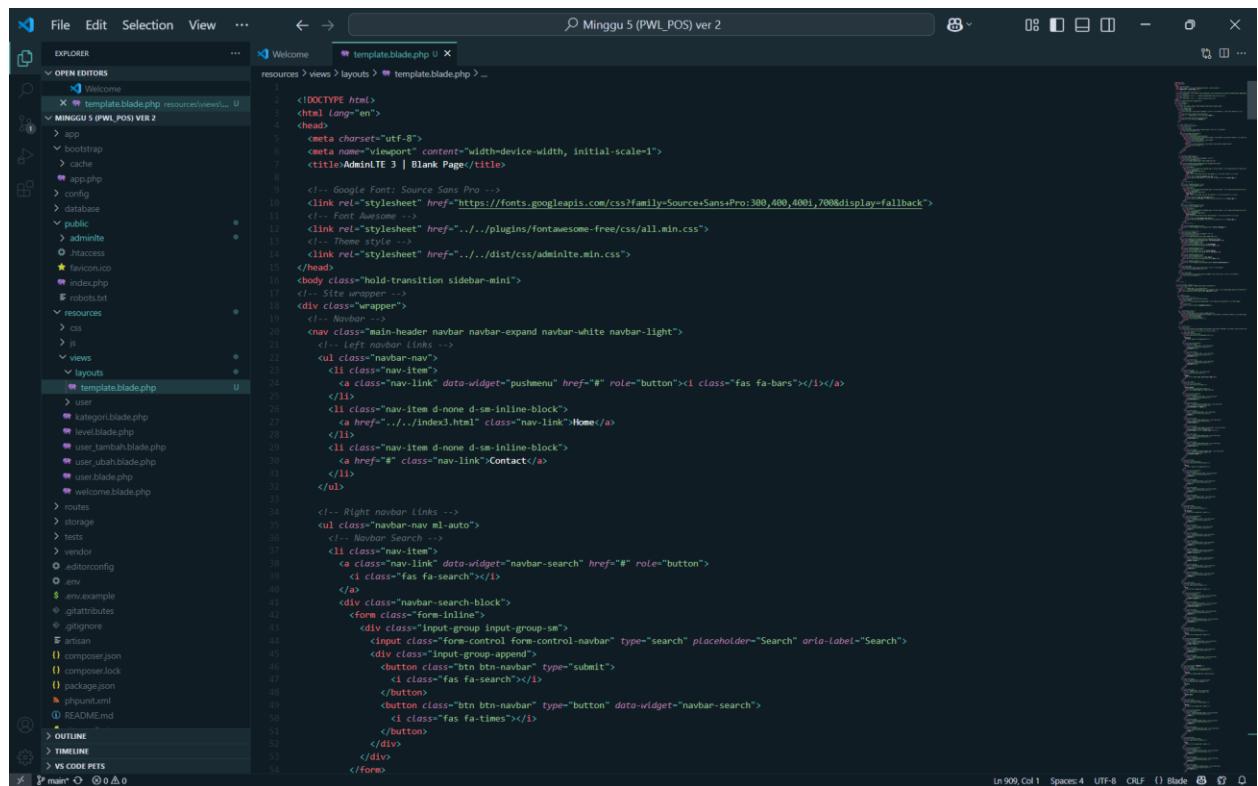


```

EXPLORER          ...   template.blade.php x
PWL_POS           ...
  > app
  > bootstrap
  > config
  > database
  > public
  > resources
    > css
    > js
    > views
      > layouts
        template.blade.php
        kategori.blade.php
        level.blade.php
        user.blade.php
        welcome.blade.php
resources > views > layouts > template.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>AdminLTE 3 | Blank Page</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="../../plugins/fontawesome-free/css/all.min.css">
12   <!-- Theme style -->
13   <link rel="stylesheet" href="../../dist/css/adminlte.min.css">
14 </head>
15 <body class="hold-transition sidebar-mini">
16   <!-- Site wrapper -->
17   <div class="wrapper">

```

⇒ Source code



```

File Edit Selection View ... ← → ○ Minggu 5 (PWL_POS) ver 2
EXPLORER          ...   template.blade.php x
OPEN EDITORS       Welcome
resources > views > layouts > template.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>AdminLTE 3 | Blank Page</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="../../plugins/fontawesome-free/css/all.min.css">
12   <!-- Theme style -->
13   <link rel="stylesheet" href="../../dist/css/adminlte.min.css">
14 </head>
15 <body class="hold-transition sidebar-mini">
16   <!-- Site wrapper -->
17   <div class="wrapper">
18     <!-- Navbar -->
19     <nav class="main-header navbar navbar-expand navbar-white navbar-light">
20       <!-- Left navbar links -->
21       <ul class="navbar-nav">
22         <li class="nav-item">
23           <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
24         </li>
25         <li class="nav-item d-none d-sm-inline-block">
26           <a href="../../index3.html" class="nav-link">Home</a>
27         </li>
28         <li class="nav-item d-none d-sm-inline-block">
29           <a href="#" class="nav-link">Contact</a>
30         </li>
31       </ul>
32     </nav>
33
34     <!-- Right navbar links -->
35     <ul class="navbar-nav ml-auto">
36       <!-- Navbar Search -->
37       <li class="nav-item">
38         <a class="nav-link" data-widget="navbar-search" href="#" role="button">
39           <i class="fas fa-search"></i>
40         </a>
41       <div class="navbar-search-block">
42         <form class="form-inline">
43           <div class="input-group input-group-sm">
44             <input class="form-control form-control-navbar" type="search" placeholder="Search" aria-label="Search" aria-describedby="Search">
45             <div class="input-group-append">
46               <button class="btn btn-navbar" type="submit">
47                 <i class="fa fa-search"></i>
48               </button>
49               <button class="btn btn-navbar" type="button" data-widget="navbar-search">
50                 <i class="fas fa-times"></i>
51               </button>
52             </div>
53           </form>
54         </div>

```

8. File **layouts/template.blade.php** adalah file utama untuk templating website

⇒ File



```

layouts           ...
  template.blade.php
  user
23   <li class="nav-item">
24     <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
25   </li>
26   <li class="nav-item d-none d-sm-inline-block">
27     <a href="../../index3.html" class="nav-link">Home</a>
28   </li>
29   <li class="nav-item d-none d-sm-inline-block">
30     <a href="#" class="nav-link">Contact</a>
31   </li>
32 </ul>

```

9. Pada baris **1-14** file **template.blade.php**, kita modifikasi

```
template.blade.php X
resources > views > layouts > template.blade.php > html > body.hold-transition.sidebar-mini > div.wrapper > nav.main-header.navbar.navbar-expand.navbar
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>AdminLTE 3 | Blank Page</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="../../plugins/fontawesome-free/css/all.min.css">
12   <!-- Theme style -->
13   <link rel="stylesheet" href="../../dist/css/adminlte.min.css">
14 </head>
```

Menjadi

```
template.blade.php X
resources > views > layouts > template.blade.php > html > body.hold-transition.sidebar-mini > div.wrapper > nav.main-header.navbar.navbar-expand.navbar
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>{{ config('app.name', 'PWL Laravel Starter Code') }}</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.min.css') }}">
12   <!-- Theme style -->
13   <link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}">
14 </head>
```

⇒ Source code

```
template.blade.php U X
resources > views > layouts > template.blade.php > html > body.hold-transition.sidebar-mini > div.wrapper > nav.main-header.navbar.navbar-expand.navbar-white.navbar-light > ul.navbar-nav
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>{{ config('app.name', 'PWL Laravel Starter Code') }}</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.min.css') }}">
12   <!-- Theme style -->
13   <link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}">
14 </head>
```

10. Kemudian kita blok baris 19-153 (baris untuk **element 1-header**), lalu kita **cut**, dan **paste**-kan di file `PWL_POS/resource/view/layouts/header.blade.php` (buat dulu file `header.blade.php` jika belum ada). Sehingga tampilan dari file `template.blade.php` menjadi seperti berikut

```
template.blade.php X header.blade.php
template.blade.php > html > body.hold-transition.sidebar-mini > div.wrapper > aside.main
14   </head>
15   <body class="hold-transition sidebar-mini">
16     <!-- Site wrapper -->
17     <div class="wrapper">
18       <!-- Navbar -->
19       @include('layouts.header')
20       <!-- /.navbar -->
21
22       <!-- Main Sidebar Container -->
23       <aside class="main-sidebar sidebar-dark-primary elevation-4">
24         <!-- Brand Logo -->
25         <a href="../../index3.html" class="brand-link">
26           AdminLTE 3</span>
28         </a>
```

Baris 19 adalah komponen Blade untuk memanggil elemen `layouts/header.blade.php` agar menjadi satu dengan `template.blade.php` saat di-render nanti.

⇒ Source code

```
15   <body class="hold-transition sidebar-mini">
16     <!-- Site wrapper -->
17     <div class="wrapper">
18       <!-- Navbar -->
19       @include('layouts.header')
20       <!-- /.navbar -->
21
22       <!-- Main Sidebar Container -->
23       <aside class="main-sidebar sidebar-dark-primary elevation-4">
24         <!-- Brand Logo -->
25         <a href="../../index3.html" class="brand-link">
26           
27           <span class="brand-text font-weight-light">AdminLTE 3</span>
28         </a>
```

header.blade

```
resources > views > layouts > header.blade.php > nav.main-header.navbar.navbar-expand.navbar-white.navbar-light
1   <nav class="main-header navbar navbar-expand navbar-white navbar-light">
2     <!-- Left navbar Links -->
3     <ul class="navbar-nav">
4       <li class="nav-item">
5         <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>
6       </li>
7       <li class="nav-item d-none d-sm-inline-block">
8         <a href="../../index3.html" class="nav-link">Home</a>
9       </li>
10      <li class="nav-item d-none d-sm-inline-block">
11        <a href="#" class="nav-link">Contact</a>
12      </li>
13    </ul>
14
15    <!-- Right navbar Links -->
16    <ul class="navbar-nav ml-auto">
17      <!-- Navbar Search -->
18      <li class="nav-item">
19        <a class="nav-link" data-widget="navbar-search" href="#" role="button">
20          <i class="fas fa-search"></i>
21        </a>
```

11. Kita modifikasi baris 25 dan 26 pada `template.blade.php`

```
17 <div class="wrapper">
18 | <!-- Navbar -->
19 | @include('layouts.header')
20 | <!-- /.navbar -->
21 |
22 | <!-- Main Sidebar Container -->
23 | <aside class="main-sidebar sidebar-dark-primary elevation-4">
24 |   <!-- Brand Logo -->
25 |   <a href="../../index3.html" class="brand-link">
26 |     
27 |     <span class="brand-text font-weight-light">AdminLTE 3</span>
28 |   </a>
29 |
30 |   <!-- Sidebar -->
31 |   <div class="sidebar">
```

Menjadi

```
17 <div class="wrapper">
18 | <!-- Navbar -->
19 | @include('layouts.header')
20 | <!-- /.navbar -->
21 |
22 | <!-- Main Sidebar Container -->
23 | <aside class="main-sidebar sidebar-dark-primary elevation-4">
24 |   <!-- Brand Logo -->
25 |   <a href="{{ url('/') }}" class="brand-link">
26 |     
27 |     <span class="brand-text font-weight-light">PWL - Starter Code</span>
28 |   </a>
29 |
30 |   <!-- Sidebar -->
31 |   <div class="sidebar">
```

⇒ Source code

```
22 <!-- Main Sidebar Container -->
23 <aside class="main-sidebar sidebar-dark-primary elevation-4">
24   <!-- Brand Logo -->
25   <a href="{{ url('/') }}" class="brand-link">
26     
27     <span class="brand-text font-weight-light">PWL Starter Code</span>
28   </a>
```

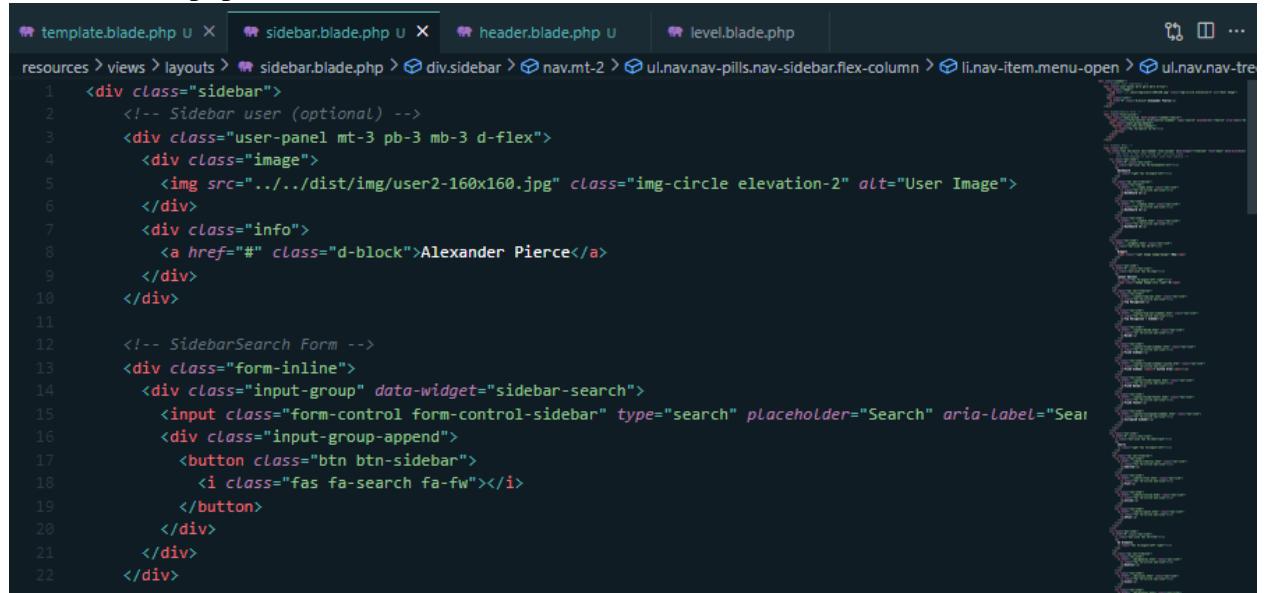
12. Selanjutnya kita blok baris 31-693 (baris untuk `element 2-sidebar`), lalu kita **cut**, dan **paste**-kan di file `PWL_POS/resource/view/layouts/sidebar.blade.php` (buat dulu file `sidebar.blade.php` jika belum ada). Sehingga tampilan dari file `template.blade.php` menjadi seperti berikut

```
22 <!-- Main Sidebar Container -->
23 <aside class="main-sidebar sidebar-dark-primary elevation-4">
24   <!-- Brand Logo -->
25   <a href="{{ url('/') }}" class="brand-link">
26     
27     <span class="brand-text font-weight-light">PWL - Starter Code</span>
28   </a>
29 
30   <!-- Sidebar -->
31   @include('layouts.sidebar')
32   <!-- /.sidebar -->
33 </aside>
```

⇒ Source code

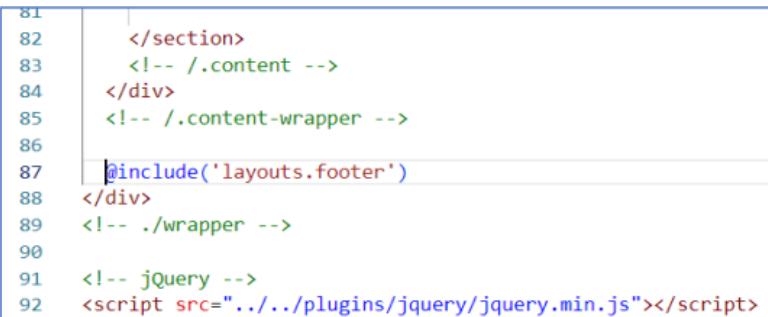
```
29 <!-- Sidebar -->
30   @include('layouts.sidebar')
31   <!-- /.sidebar -->
32 </aside>
33
```

Sidebar.blade.php



```
resources > views > layouts > sidebar.blade.php > div.sidebar > nav.mt-2 > ul.nav.nav-pills.nav-sidebar.flex-column > li.nav-item.menu-open > ul.nav.nav-tree
1  <div class="sidebar">
2    <!-- Sidebar user (optional) -->
3    <div class="user-panel mt-3 pb-3 mb-3 d-flex">
4      <div class="image">
5        
6      </div>
7      <div class="info">
8        <a href="#" class="d-block">Alexander Pierce</a>
9      </div>
10     </div>
11
12    <!-- SidebarSearch Form -->
13    <div class="form-inline">
14      <div class="input-group" data-widget="sidebar-search">
15        <input class="form-control form-control-sidebar" type="search" placeholder="Search" aria-label="Search" aria-describedby="basic-addon2">
16        <div class="input-group-append">
17          <button class="btn btn-sidebar">
18            <i class="fas fa-search fa-fw"></i>
19          </button>
20        </div>
21      </div>
22    </div>
```

13. Selanjutnya perhatikan baris 87-98 (baris untuk *element 5-footer*), lalu kita **cut**, dan **paste**-kan di file `PWL_POS/resource/view/layouts/footer.blade.php` (buat file `footer.blade.php` jika belum ada). Sehingga tampilan dari file `template.blade.php` menjadi seperti berikut

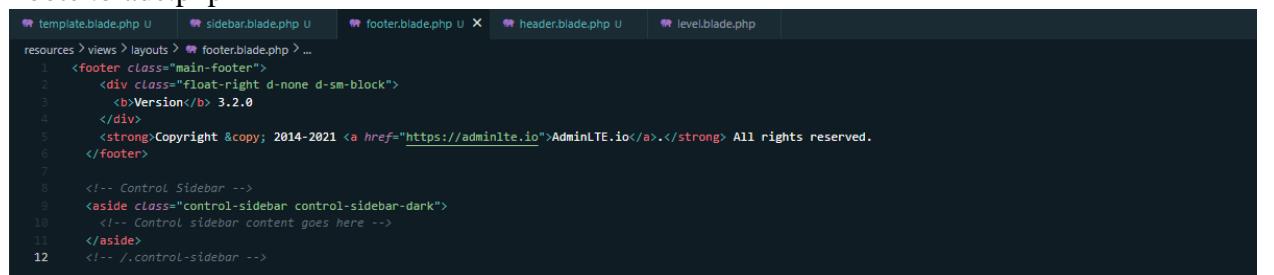


```
81
82  </section>
83  <!-- /.content -->
84 </div>
85 <!-- /.content-wrapper -->
86
87  @include('layouts.footer')
88 </div>
89 <!-- ./wrapper -->
90
91 <!-- jQuery -->
92 <script src="../../plugins/jquery/jquery.min.js"></script>
```

⇒ Source code

```
87  @include('layouts.footer')
88  </div>
89 <!-- ./wrapper -->
```

Footer.blade.php



```
resources > views > layouts > footer.blade.php > ...
1  <footer class="main-footer">
2    <div class="float-right d-none d-sm-block">
3      <b>Version</b> 3.2.0
4    </div>
5    <strong>Copyright © 2014-2021 <a href="https://adminlte.io">AdminLTE.io</a>. All rights reserved.</strong>
6  </footer>
7
8  <!-- Control Sidebar -->
9  <aside class="control-sidebar control-sidebar-dark">
10    <!-- Control sidebar content goes here -->
11  </aside>
12 <!-- ./control-sidebar -->
```

14. Kemudian kita modifikasi file `template.blade.php` baris 91-100

```
91  <!-- jQuery -->
92  <script src="../../plugins/jquery/jquery.min.js"></script>
93  <!-- Bootstrap 4 -->
94  <script src="../../plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
95  <!-- AdminLTE App -->
96  <script src="../../dist/js/adminlte.min.js"></script>
97  <!-- AdminLTE for demo purposes -->
98  <script src="../../dist/js/demo.js"></script>
99  </body>
100 </html>
```

Menjadi

```
91  <!-- jQuery -->
92  <script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}"></script>
93  <!-- Bootstrap 4 -->
94  <script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
95  <!-- AdminLTE App -->
96  <script src="{{ asset('adminlte/dist/js/adminlte.min.js') }}"></script>
97  </body>
98  </html>
```

⇒ Source code

```
91  <!-- jQuery -->
92  <script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}"></script>
93  <!-- Bootstrap 4 -->
94  <script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
95  <!-- AdminLTE App -->
96  <script src="../../dist/js/adminlte.min.js"></script>
97  <!-- AdminLTE for demo purposes -->
98  <script src="../../dist/js/demo.js"></script>
99  </body>
100 </html>
```

16. Perhatikan file `template.blade.php` pada baris 38-52 kita jadikan sebagai elemen **4-breadcrumb**. Kita blok baris 38-52 lalu kita **cut**, dan **paste**-kan di file `PWL_POS/resource/view/layouts/breadcrumb.blade.php` (buat file `breadcrumb.blade.php` jika belum ada). Sehingga tampilan dari file `template.blade.php` menjadi seperti berikut

```
30  <!-- Sidebar -->
31  @include('layouts.sidebar')
32  <!-- /.sidebar -->
33  </aside>
34
35  <!-- Content Wrapper. Contains page content -->
36  <div class="content-wrapper">
37  <!-- Content Header (Page header) -->
38  @include('layouts.breadcrumb')
39
40  <!-- Main content -->
41  <section class="content">
42  <!-- Default box -->
43  <div class="card">
44  <div class="card-header">
45  <h3 class="card-title">Title</h3>
```

⇒ Source code

```
38
39     @include('layouts.breadcrumb')
40     <!-- Main content -->
41     <section class="content">
42
```

Breadcrumb.blade.php

```
resources > views > layouts > 🍔 breadcrumb.blade.php > ⚙ section.content-header
1  <section class="content-header">
2    <div class="container-fluid">
3      <div class="row mb-2">
4        <div class="col-sm-6">
5          <h1>Blank Page</h1>
6        </div>
7        <div class="col-sm-6">
8          <ol class="breadcrumb float-sm-right">
9            <li class="breadcrumb-item"><a href="#">Home</a></li>
10           <li class="breadcrumb-item active">Blank Page</li>
11         </ol>
12       </div>
13     </div>
14   </div><!-- /.container-fluid -->
15 </section>
```

17. Layout terakhir adalah pada bagian konten. Layout untuk konten bisa kita buat dinamis, sesuai dengan apa yang ingin kita sajikan pada web yang kita bangun.
18. Untuk **content**, kita akan menghapus baris **42-66** pada file **template.blade.php**. dan kita ganti dengan kode seperti ini **@yield('content')**

⇒ Source code

```
42
43     @yield('content')
44
45   </section>
46   <!-- /.content -->
47 </div>
```

19. Hasil akhir pada file utama `layouts/template.blade.php` adalah seperti berikut

```
15 <body class="hold-transition sidebar-mini">
16 <!-- Site wrapper -->
17 <div class="wrapper">
18   <!-- Navbar -->
19   @include('layouts.header') 1
20   <!-- ./navbar -->
21
22   <!-- Main Sidebar Container -->
23   <aside class="main-sidebar sidebar-dark-primary elevation-4">
24     <!-- Brand Logo -->
25     <a href="{{ url('/') }}" class="brand-link">
26       PWL - Starter Code</span>
28     </a>
29
30     <!-- Sidebar -->
31     @include('layouts.sidebar') 2
32     <!-- ./sidebar -->
33   </aside>
34
35   <!-- Content Wrapper. Contains page content -->
36   <div class="content-wrapper">
37     <!-- Content Header (Page header) -->
38     @include('layouts.breadcrumb') 3
39
40     <!-- Main content -->
41     <section class="content">
42       @yield('content') 4
43     </section>
44     <!-- /.content -->
45   </div>
46   <!-- ./content-wrapper -->
47
48   @include('layouts.footer') 5
49 </div>
```

⇒ Source code

```
resources > views > layouts > template.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>{{ config('app.name', 'PWL Laravel Starter Code') }}</title>
7
8    <!-- Google Font: Source Sans Pro -->
9    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
10   <!-- Font Awesome -->
11   <link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.min.css') }}>
12   <!-- Theme style -->
13   <link rel="stylesheet" href="{{ asset('adminlte/plugins/dist/css/adminlte.min.css') }}>
14 </head>
15 <body class="hold-transition sidebar-mini">
16 <!-- Site wrapper -->
17 <div class="wrapper">
18   <!-- Navbar -->
19   @include('layouts.header')
20   <!-- ./header -->
21
22   <!-- Main Sidebar Container -->
23   <aside class="main-sidebar sidebar-dark-primary elevation-4">
24     <!-- Brand Logo -->
25     <a href="{{ url('/') }}" class="brand-link">
26       
27       <span class="brand-text font-weight-light>PWL Starter Code</span>
28     </a>
29
30     <!-- Sidebar -->
31     @include('layouts.sidebar')
32     <!-- ./sidebar -->
33   </aside>
34
35   <!-- Content Wrapper. Contains page content -->
36   <div class="content-wrapper">
37     <!-- Content Header (Page header) -->
38
39     @include('layouts.breadcrumb')
40
41     <section class="content">
42       @yield('content')
43     </section>
44     <!-- /.content -->
45   </div>
46   <!-- ./content-wrapper -->
47
48   @include('layouts.footer')
49   <!-- ./footer -->
50 </div>
```

20. Selamat kalian sudah selesai dalam melakukan layouting website di laravel.

21. Jangan lupa commit dan push ke github untuk praktikum 1 ini

Praktikum 2 – Penerapan Layouting

1. Kita buat file controller dengan nama `WelcomeController.php`

```
1 <?php
2 namespace App\Http\Controllers;
3
4 class WelcomeController extends Controller
5 {
6     public function index()
7     {
8         $breadcrumb = (object) [
9             'title' => 'Selamat Datang',
10            'list'  => ['Home', 'Welcome']
11        ];
12
13        $activeMenu = 'dashboard';
14
15        return view('welcome', ['breadcrumb' => $breadcrumb, 'activeMenu' => $activeMenu]);
16    }
17 }
```

⇒ Source code

```
PS D:\laragon\www\Pemrograman_Web_Lanjut_2025\Minggu 5 (PWL_POS) ver 2> php artisan make:Controller WelcomeController
[INFO] Controller [D:\laragon\www\Pemrograman_Web_Lanjut_2025\Minggu 5 (PWL_POS) ver 2\app\Http\Controllers>WelcomeController.php] created successfully.
```

WelcomeController

```
app > Http > Controllers > 📄 WelcomeController.php > ...
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class WelcomeController extends Controller
8 {
9     public function index()
10    {
11        $breadcrumb = (object) [
12            'title' => 'Selamat Datang',
13            'list'  => ['Home', 'Welcome']
14        ];
15
16        $activeMenu = 'dashboard';
17
18        return view('welcome', ['breadcrumb' => $breadcrumb, 'activeMenu' => $activeMenu]);
19    }
20 }
```

2. Kita buat file pada [PWL_POS/resources/views/welcome.blade.php](#)

```
❷ welcome.blade.php X
1  @extends('layouts.template')
2
3  @section('content')
4
5  <div class="card">
6      <div class="card-header">
7          <h3 class="card-title">Halo, apakabar!!!</h3>
8          <div class="card-tools"></div>
9      </div>
10     <div class="card-body">
11         Selamat datang semua, ini adalah halaman utama dari aplikasi ini.
12     </div>
13 </div>
14 @endsection
```

⇒ Source code

```
resources > views > ❷ welcome.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4  <div class="card">
5      <div class="card-header">
6          <h3 class="card-title">Halo, apakabar!!!</h3>
7          <div class="card-tools"></div>
8      </div>
9      <div class="card-body">
10         Selamat datang semua, ini adalah halaman utama dari aplikasi ini.
11     </div>
12 </div>
13 @endsection
```

3. Kita modifikasi file [PWL_POS/resources/views/layouts/breadcrumb.blade.php](#)

```
❷ welcome.blade.php      ❷ breadcrumb.blade.php X
1  <section class="content-header">
2      <div class="container-fluid">
3          <div class="row mb-2">
4              <div class="col-sm-6"><h1>{{ $breadcrumb->title }}</h1></div>
5              <div class="col-sm-6">
6                  <ol class="breadcrumb float-sm-right">
7                      @foreach($breadcrumb->list as $key => $value)
8                          @if($key == count($breadcrumb->list) - 1)
9                              <li class="breadcrumb-item active">{{ $value }}</li>
10                         @else
11                             <li class="breadcrumb-item">{{ $value }}</li>
12                         @endif
13                     @endforeach
14                 </ol>
15             </div>
16         </div>
17     </div>
18 </section>
```

⇒ Source code

```

resources > views > layouts > 🍔 breadcrumb.blade.php > ⚒ section.content-header
1  <section class="content-header">
2    <div class="container-fluid">
3      <div class="row mb-2">
4        <div class="col-sm-6"><h1>{{ $breadcrumb->title }}</h1></div>
5        <div class="col-sm-6">
6          <ol class="breadcrumb float-sm-right">
7            @foreach($breadcrumb->list as $key => $value)
8              @if($key == count($breadcrumb->list) - 1)
9                <li class="breadcrumb-item active">{{ $value }}</li>
10               @else
11                 <li class="breadcrumb-item">{{ $value }}</li>
12               @endif
13             @endforeach
14           </ol>
15         </div>
16       </div>
17     </div>
18   </section>

```

4. Kita modifikasi file PWL_POS/resources/views/layouts/sidebar.blade.php

```

<div class="sidebar">
  <!-- SidebarSearch Form -->
  <div class="form-inline mt-2">
    <div class="input-group" data-widget="sidebar-search">
      <input class="form-control form-control-sidebar" type="search"
placeholder="Search" aria-label="Search">
      <div class="input-group-append">
        <button class="btn btn-sidebar">
          <i class="fas fa-search fa-fw"></i>
        </button>
      </div>
    </div>
  </div>
  <!-- Sidebar Menu -->
  <nav class="mt-2">
    <ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview"
role="menu" data-accordion="false">
      <li class="nav-item">
        <a href="{{ url('/') }}" class="nav-link {{ ($activeMenu == 'dashboard')?
'active' : '' }} ">
          <i class="nav-icon fas fa-tachometer-alt"></i>
          <p>Dashboard</p>
        </a>
      </li>

```

⇒ Source code

```

resources > views > layouts > sidebar.blade.php > div.sidebar
1   <div class="sidebar">
2     <!-- SidebarSearch Form -->
3     <div class="form-inline mt-2">
4       <div class="input-group" data-widget="sidebar-search">
5         <input class="form-control form-control-sidebar" type="search" placeholder="Search" aria-label="Search">
6         <div class="input-group-append">
7           <button class="btn btn-sidebar">
8             <i class="fas fa-search fa-fw"></i>
9           </button>
10        </div>
11      </div>
12    </div>
13
14  <!-- Sidebar Menu -->
15  <nav class="mt-2">
16    <ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false">
17      <li class="nav-item">
18        <a href="{{ url('/')}}" class="nav-link {{ ($activeMenu == 'dashboard')? 'active' : '' }} ">
19          <i class="nav-icon fas fa-tachometer-alt"></i>
20          <p>Dashboard</p>
21        </a>
22      </li>
23
24      <li class="nav-header">Data Pengguna</li>
25      <li class="nav-item">
26        <a href="{{ url('/level') }}" class="nav-link {{ ($activeMenu == 'level')? 'active' : '' }} ">
27          <i class="nav-icon fas fa-layer-group"></i>
28          <p>Level User</p>
29        </a>
30      </li>
31      <li class="nav-item">
32        <a href="{{ url('/user') }}" class="nav-link {{ ($activeMenu == 'user')? 'active' : '' }} ">
33          <i class="nav-icon far fa-user"></i>
34          <p>Data User</p>
35        </a>
36      </li>
37
38      <li class="nav-header">Data Barang</li>
39      <li class="nav-item">
40        <a href="{{ url('/kategori') }}" class="nav-link {{ ($activeMenu == 'kategori')? 'active' : '' }} ">
41          <i class="nav-icon far fa-bookmark"></i>
42          <p>Kategori Barang</p>
43        </a>
44      </li>
45      <li class="nav-item">
46        <a href="{{ url('/barang') }}" class="nav-link {{ ($activeMenu == 'barang')? 'active' : '' }} ">
47          <i class="nav-icon far fa-list-alt"></i>
48          <p>Data Barang</p>
49        </a>
50      </li>
51
52      <li class="nav-header">Data Transaksi</li>
53      <li class="nav-item">
54        <a href="{{ url('/transaksi') }}" class="nav-link {{ ($activeMenu == 'transaksi')? 'active' : '' }} ">

```

5. Kita tambahkan kode berikut router web.php

```
Route::get('/', [WelcomeController::class, 'index']);
```

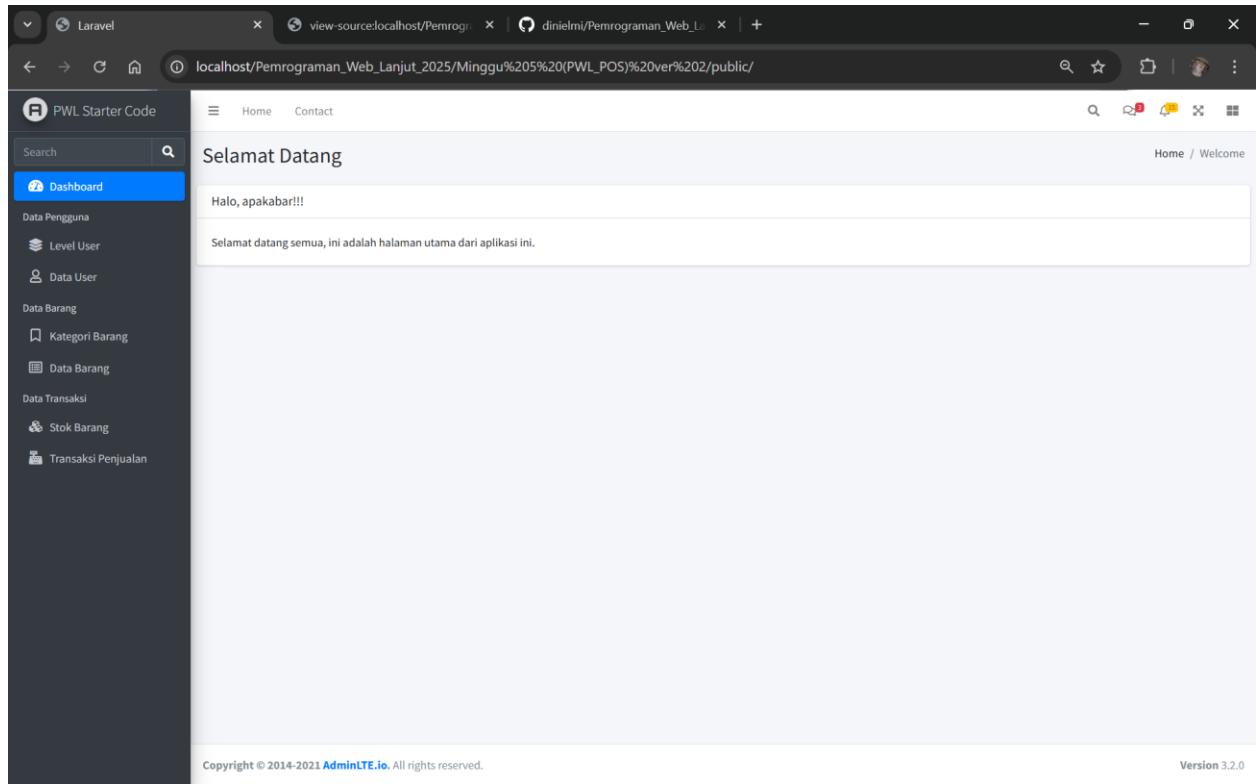
⇒ Source code

```

35
36  Route::get('/', [WelcomeController::class, 'index']);
37
```

6. Sekarang kita coba jalankan di browser dengan mengetikkan url http://localhost/PWL_POS/public

⇒ Halaman Browser



7. Jangan lupa commit dan push ke github PWL_POS kalian

Praktikum 3 – Implementasi jQuery Datatable di AdminLTE

1. Kita modifikasi proses CRUD pada tabel `m_user` pada praktikum ini
2. Kita gunakan library Yajra-datable dengan mengetikkan perintah pada CMD
`composer require yajra/laravel-datatables:^10.0` atau
`composer require yajra/laravel-datatables-oracle`

⇒ Installing yajra

```
PS D:\laragon\www\Pemrograman_Web_Lanjut_2025\Minggu 5 (PWL_POS) ver 2> composer require yajra/laravel-datatables:^10.0
The "10.0" constraint for "yajra/laravel-datatables" appears too strict and will likely not match what you want. See https://getcomposer.org/constraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
- Locking league/fractal (v0.20.2)
- Locking yajra/laravel-datatables (v10.0.0)
- Locking yajra/laravel-datatables-buttons (v10.0.9)
- Locking yajra/laravel-datatables-editor (v1.25.4)
- Locking yajra/laravel-datatables-fractal (v10.0.0)
- Locking yajra/laravel-datatables-html (v10.12.0)
- Locking yajra/laravel-datatables-oracle (v10.11.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 7 installs, 0 updates, 0 removals
- Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
- Installing yajra/laravel-datatables-html (v10.12.0): Extracting archive
- Installing league/fractal (v0.20.2): Extracting archive
- Installing yajra/laravel-datatables-fractal (v10.0.0): Extracting archive
- Installing yajra/laravel-datatables-editor (v1.25.4): Extracting archive
- Installing yajra/laravel-datatables-buttons (v10.0.9): Extracting archive
- Installing yajra/laravel-datatables (v10.0.0): Extracting archive
8 package suggestions were added by new dependencies, use `composer suggest` to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

[INFO] Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE
yajra/laravel-datatables-buttons ..... DONE
yajra/laravel-datatables-editor ..... DONE
yajra/laravel-datatables-fractal ..... DONE
yajra/laravel-datatables-html ..... DONE
yajra/laravel-datatables-oracle ..... DONE

87 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

[INFO] No publishable resources for tag [laravel-assets].
```

Found 1 security vulnerability advisory affecting 1 package.
Run "composer audit" for a full list of advisories.

3. Kita modifikasi route `web.php` untuk proses CRUD user

```
6  use App\Http\Controllers\WelcomeController;
7  use Illuminate\Support\Facades\Route;
8  use App\Http\Controllers\UserController;
9
10
11 Route::get('/', [WelcomeController::class, 'index']);
12
13 Route::group(['prefix' => 'user'], function () {
14     Route::get('/', [UserController::class, 'index']);           // menampilkan halaman awal user
15     Route::post('/list', [UserController::class, 'list']);       // menampilkan data user dalam bentuk json untuk datatables
16     Route::get('/create', [UserController::class, 'create']);   // menampilkan halaman form tambah user
17     Route::post('/', [UserController::class, 'store']);         // menyimpan data user baru
18     Route::get('/{id}', [UserController::class, 'show']);        // menampilkan detail user
19     Route::get('/{id}/edit', [UserController::class, 'edit']);   // menampilkan halaman form edit user
20     Route::put('/{id}', [UserController::class, 'update']);     // menyimpan perubahan data user
21     Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
22 });
23
```

⇒ Source code

```
routes > web.php > ...
1  <?php
2
3  use App\Http\Controllers\KategoriController;
4  use App\Http\Controllers\LevelController;
5  use App\Http\Controllers\UserController;
6  use App\Http\Controllers>WelcomeController;
7  use Illuminate\Support\Facades\Route;
8
9  /*
10  |--------------------------------------------------------------------------
11  | Web Routes
12  |--------------------------------------------------------------------------
13  |
14  | Here is where you can register web routes for your application. These
15  | routes are loaded by the RouteServiceProvider and all of them will
16  | be assigned to the "web" middleware group. Make something great!
17  |
18  */
19
20  Route::get('/', [WelcomeController::class, 'index']);
21
22  Route::group(['prefix' => 'user'], function () {
23      Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
24      Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
25      Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
26      Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
27      Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
28      Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
29      Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
30      Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
31  });
32
```

4. Kita buat atau modifikasi penuh untuk [UserController.php](#). Kita buat fungsi `index()` untuk menampilkan halaman awal user

```
1  <?php
2  namespace App\Http\Controllers;
3
4  use App\Models\LevelModel;
5  use App\Models\UserModel;
6  use Illuminate\Http\Request;
7  use Yajra\DataTables\Facades\DataTables;
8
9  class UserController extends Controller
10 {
11     // Menampilkan halaman awal user
12     public function index()
13     {
14         $breadcrumb = (object) [
15             'title' => 'Daftar User',
16             'list'  => ['Home', 'User']
17         ];
18
19         $page = (object) [
20             'title' => 'Daftar user yang terdaftar dalam sistem'
21         ];
22
23         $activeMenu = 'user'; // set menu yang sedang aktif
24
25         return view('user.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
26     }
}
```

⇒ Source code

```

app > Http > Controllers > UserController.php > ...
1   <?php
2   namespace App\Http\Controllers;
3
4   use App\Models\LevelModel;
5   use App\Models\UserModel;
6   use Illuminate\Http\Request;
7   use Yajra\DataTables\Facades\DataTables;
8
9   class UserController extends Controller
10  {
11      // Menampilkan halaman awal user
12      public function index()
13      {
14          $breadcrumb = (object) [
15              'title' => 'Daftar User',
16              'list' => ['Home', 'User']
17          ];
18
19          $page = (object) [
20              'title' => 'Daftar user yang terdaftar dalam sistem'
21          ];
22
23          $activeMenu = 'user'; // set menu yang sedang aktif
24
25          return view('user.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
26      }
27  }
28

```

5. Lalu kita buat view pada PWL/resources/views/user/index.blade.php

```

@extends('layouts.template')

@section('content')


### {{ $page->title }}



Tambah



| ID | Username | Nama | Level Pengguna | Aksi |
|----|----------|------|----------------|------|
|----|----------|------|----------------|------|

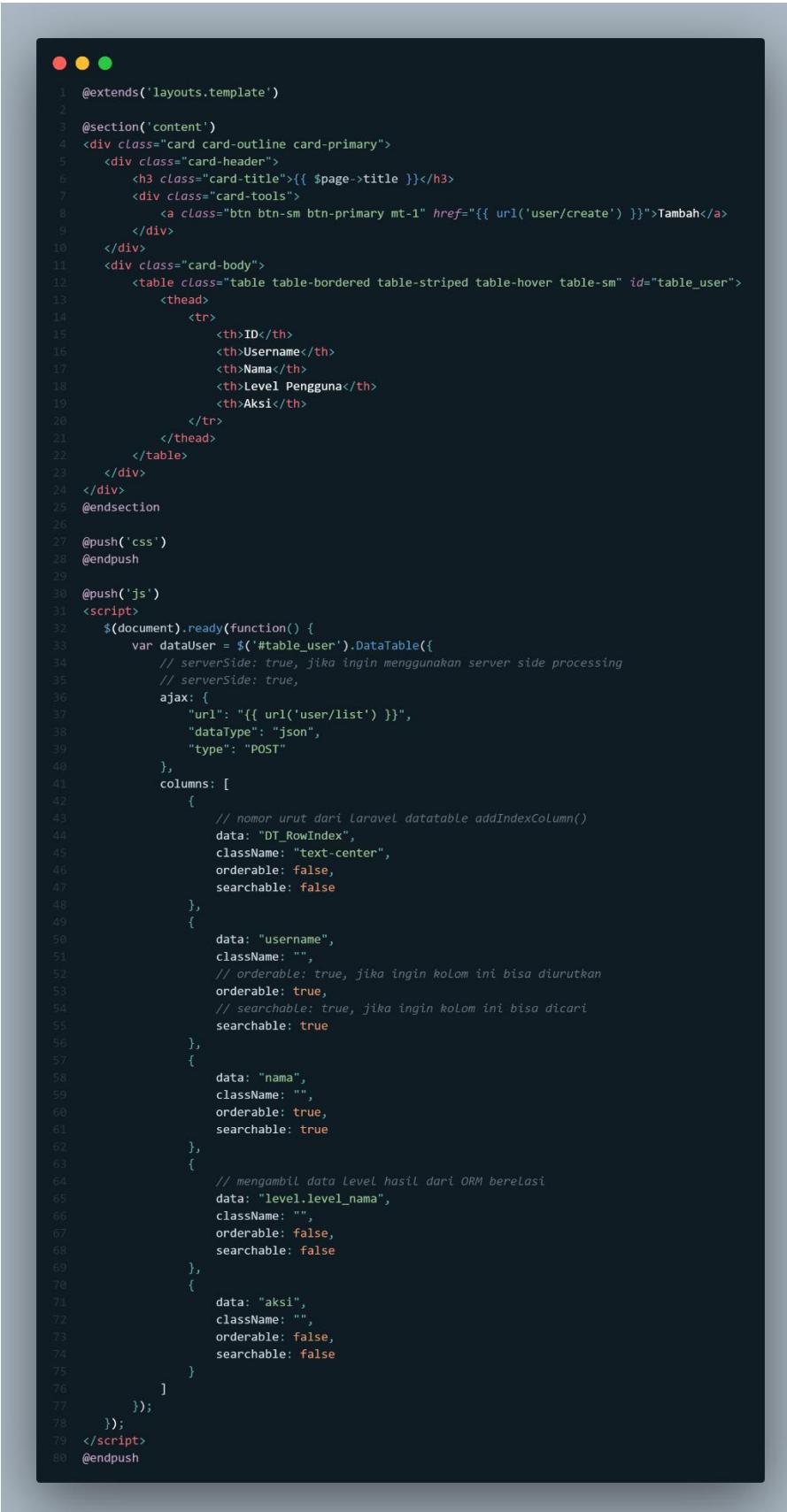

@endsection

@push('css')
@endpush

@push('js')
<script>
$(document).ready(function() {
    var dataUser = $('#table_user').DataTable({
        // serverSide: true, jika ingin menggunakan server side processing
        serverSide: true,
        ajax: {
            "url": "{{ url('user/list') }}",
            "dataType": "json",
            "type": "POST"
        },
        columns: [
        {

```

⇒ Source code



```
1 @extends('layouts.template')
2
3 @section('content')
4 <div class="card card-outline card-primary">
5     <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools">
8             <a class="btn btn-sm btn-primary mt-1" href="{{ url('user/create') }}">Tambah</a>
9         </div>
10    </div>
11    <div class="card-body">
12        <table class="table table-bordered table-striped table-hover table-sm" id="table_user">
13            <thead>
14                <tr>
15                    <th>ID</th>
16                    <th>Username</th>
17                    <th>Nama</th>
18                    <th>Level Pengguna</th>
19                    <th>Aksi</th>
20                </tr>
21            </thead>
22        </table>
23    </div>
24 </div>
25 @endsection
26
27 @push('css')
28 @endpush
29
30 @push('js')
31 <script>
32     $(document).ready(function() {
33         var dataUser = $('#table_user').DataTable({
34             // serverSide: true, jika ingin menggunakan server side processing
35             // serverSide: true,
36             ajax: {
37                 "url": "{{ url('user/list') }}",
38                 "dataType": "json",
39                 "type": "POST"
40             },
41             columns: [
42                 {
43                     // nomor urut dari Laravel datatable addIndexColumn()
44                     data: "DT_RowIndex",
45                     className: "text-center",
46                     orderable: false,
47                     searchable: false
48                 },
49                 {
45                     data: "username",
46                     className: "",
47                     // orderable: true, jika ingin kolom ini bisa diurutkan
48                     orderable: true,
49                     // searchable: true, jika ingin kolom ini bisa dicari
50                     searchable: true
51                 },
52                 {
53                     data: "nama",
54                     className: "",
55                     orderable: true,
56                     searchable: true
57                 },
58                 {
59                     // mengambil data Level hasil dari ORM berelasi
60                     data: "level.level_nama",
61                     className: "",
62                     orderable: false,
63                     searchable: false
64                 },
65                 {
66                     data: "aksi",
67                     className: "",
68                     orderable: false,
69                     searchable: false
70                 }
71             ]
72         });
73     });
74 </script>
75 @endpush
```

6. Kemudian kita modifikasi file `template.blade.php` untuk menambahkan library jquery datatables dari template AdminLTE yang kita download dan berada di folder `publicx`

```

 1  template.blade.php X
 2
 3  <!DOCTYPE html>
 4  <html lang="en">
 5  <head>
 6    <meta charset="utf-8">
 7    <meta name="viewport" content="width=device-width, initial-scale=1">
 8    <title>{{ config('app.name', 'PML Laravel Starter Code') }}</title>
 9
10   <!-- Untuk mengirimkan token Laravel CSRF pada setiap request ajax -->
11
12   <!-- Google Font: Source Sans Pro -->
13   <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
14   <!-- Font Awesome -->
15   <link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.min.css') }}">
16   <!-- DataTables -->
17   <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css') }}">
18   <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-responsive/css/responsive.bootstrap4.min.css') }}">
19   <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-buttons/css/buttons.bootstrap4.min.css') }}">
20   <!-- Theme style -->
21   <link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}">
22
23   @stack('css') <!-- Digunakan untuk memanggil custom css dari perintah push('css') pada masing-masing view -->
24
25 </head>
26
27 <!-- jQuery -->
28 <script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}"></script>
29 <!-- Bootstrap 4 -->
30 <script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
31 <!-- DataTables & Plugins -->
32 <script src="{{ asset('adminlte/plugins/datatables/jquery.dataTables.min.js') }}"></script>
33 <script src="{{ asset('adminlte/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js') }}"></script>
34 <script src="{{ asset('adminlte/plugins/datatables-responsive/js/dataTables.responsive.min.js') }}"></script>
35 <script src="{{ asset('adminlte/plugins/datatables-responsive/js/responsive.bootstrap4.min.js') }}"></script>
36 <script src="{{ asset('adminlte/plugins/datatables-buttons/js/dataTables.buttons.min.js') }}"></script>
37 <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.bootstrap4.min.js') }}"></script>
38 <script src="{{ asset('adminlte/plugins/jszip/jszip.min.js') }}"></script>
39 <script src="{{ asset('adminlte/plugins/pdfmake/pdfmake.min.js') }}"></script>
40 <script src="{{ asset('adminlte/plugins/pdfmake/vfs_fonts.js') }}"></script>
41 <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.html5.min.js') }}"></script>
42 <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.print.min.js') }}"></script>
43 <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.colVis.min.js') }}"></script>
44 <!-- AdminLTE App -->
45 <script src="{{ asset('adminlte/dist/js/adminlte.min.js') }}"></script>
46
47 <!-- Untuk mengirimkan token Laravel CSRF pada setiap request ajax -->
48 $.ajaxSetup({headers: {'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')}});
49 </script>
50
51 @stack('js') <!-- Digunakan untuk memanggil custom js dari perintah push('js') pada masing-masing view -->
52
53 </body>
54
55 </html>

```

⇒ Source code

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="utf-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title>{{ config('app.name', 'PWL Laravel Starter Code') }}</title>
7
8      <meta name="csrf-token" content="{{ csrf_token() }}"> <!-- Untuk mengirimkan token Laravel CSRF pada setiap request ajax -->
9
10     <!-- Google Font: Source Sans Pro -->
11     <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
12     <!-- Font Awesome -->
13     <link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.min.css') }}">
14     <!-- DataTables -->
15     <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css') }}">
16     <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-responsive/css/responsive.bootstrap4.min.css') }}">
17     <link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-buttons/css/buttons.bootstrap4.min.css') }}">
18
19     <link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}">
20
21     @stack('css') <!-- Digunakan untuk memanggil custom css dari perintah push('css') pada masing-masing view -->
22 </head>
23 <body>
24     <!-- jQuery -->
25     <script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}"></script>
26     <!-- Bootstrap 4 -->
27     <script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
28     <!-- DataTables & Plugins -->
29     <script src="{{ asset('adminlte/plugins/datatables/jquery.dataTables.min.js') }}"></script>
30     <script src="{{ asset('adminlte/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js') }}"></script>
31     <script src="{{ asset('adminlte/plugins/datatables-responsive/js/dataTables.responsive.min.js') }}"></script>
32     <script src="{{ asset('adminlte/plugins/datatables-responsive/js/responsive.bootstrap4.min.js') }}"></script>
33     <script src="{{ asset('adminlte/plugins/datatables-buttons/js/dataTables.buttons.min.js') }}"></script>
34     <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.bootstrap4.min.js') }}"></script>
35     <script src="{{ asset('adminlte/plugins/jstree/jstree.min.js') }}"></script>
36     <script src="{{ asset('adminlte/plugins/pdfmake/pdfmake.min.js') }}"></script>
37     <script src="{{ asset('adminlte/plugins/pdfmake/vfs_fonts.js') }}"></script>
38     <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.html5.min.js') }}"></script>
39     <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.print.min.js') }}"></script>
40     <script src="{{ asset('adminlte/plugins/datatables-buttons/js/buttons.colVis.min.js') }}"></script>
41
42     <!-- AdminLTE App -->
43     <script src="{{ asset('adminlte/dist/js/adminlte.min.js') }}"></script>
44
45     <script>
46         // Untuk mengirimkan token Laravel CSRF pada setiap request ajax
47         $.ajaxSetup({headers: {'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')}});
48     </script>
49
50     @stack('js') <!-- Digunakan untuk memanggil custom js dari perintah push('js') pada masing-masing view -->
51 </body>
52 </html>
```

7. Untuk bisa menangkap request data untuk datatable, kita buat fungsi `list()` pada `UserController.php` seperti berikut

```
// Ambil data user dalam bentuk json untuk datatables
public function list(Request $request)
{
    $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
        ->with('level');

    return DataTables::of($users)
        // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
        ->addIndexColumn()
        ->addColumn('aksi', function ($user) { // menambahkan kolom aksi
            $btn = '<a href="'.url('/user/' . $user->user_id).'" class="btn btn-info btn-sm">Detail</a> ';
            $btn .= '<a href="'.url('/user/' . $user->user_id . '/edit').'" class="btn btn-warning btn-sm">Edit</a> ';
            $btn .= '<form class="d-inline-block" method="POST" action="'.url('/user/' . $user->user_id).'>' .
                csrf_field() . method_field('DELETE') .
                '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\')";>Hapus</button></form>';
            return $btn;
        })
        ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
        ->make(true);
}
```

⇒ Source code

```
28 // Ambil data user dalam bentuk json untuk datatables
29 public function list(Request $request)
30 {
31     $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
32         ->with('level');

33     return DataTables::of($users)
34         // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
35         ->addIndexColumn()
36         ->addColumn('aksi', function ($user) { // menambahkan kolom aksi
37             $btn = '<a href="'.url('/user/' . $user->user_id).'" class="btn btn-info btn-sm">Detail</a> ';
38             $btn .= '<a href="'.url('/user/' . $user->user_id . '/edit).'" class="btn btn-warning btn-sm">Edit</a> ';
39             $btn .= '<form class="d-inline-block" method="POST" action="'.url('/user/' . $user->user_id).'>' .
40                 csrf_field() . method_field('DELETE') .
41                 '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\')";>Hapus</button></form>';
42             return $btn;
43         })
44         ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
45         ->make(true);
46     }
47 }
```

8. Sekarang coba jalankan browser, dan klik menu **Data User..!!!** perhatikan dan amati apa yang terjadi.

⇒ Halaman Browser

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail, Edit, Hapus]
2	manager	Manager	Staff/Kasir	[Detail, Edit, Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail, Edit, Hapus]
4	customer-1	Pelanggan Pertama	Customer	[Detail, Edit, Hapus]
5	manager_dua	Manager 2	Manager	[Detail, Edit, Hapus]
6	manager_tiga	Manager 3	Manager	[Detail, Edit, Hapus]
7	manager22	Manager Dua Dua	Manager	[Detail, Edit, Hapus]
8	manager33	Manager Tiga Tiga	Manager	[Detail, Edit, Hapus]
9	manager56	Manager55	Manager	[Detail, Edit, Hapus]
10	manager12	Manager11	Manager	[Detail, Edit, Hapus]

Showing 1 to 10 of 10 entries

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9. Selanjutnya kita modifikasi [UserController.php](#) untuk form tambah data user

```
// Menampilkan halaman form tambah user
public function create()
{
    $breadcrumb = (object) [
        'title' => 'Tambah User',
        'list' => ['Home', 'User', 'Tambah']
    ];

    $page = (object) [
        'title' => 'Tambah user baru'
    ];

    $level = LevelModel::all(); // ambil data level untuk ditampilkan di form
    $activeMenu = 'user'; // set menu yang sedang aktif

    return view('user.create', ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu]);
}
```

```
56 // Menampilkan halaman form tambah user
57 public function create()
58 {
59     $breadcrumb = (object) [
60         'title' => 'Tambah User',
61         'list' => ['Home', 'User', 'Tambah']
62     ];
63
64     $page = (object) [
65         'title' => 'Tambah user baru'
66     ];
67
68     $level = LevelModel::all(); // ambil data Level untuk ditampilkan di form
69     $activeMenu = 'user'; // set menu yang sedang aktif
70
71     return view('user.create', [
72         'breadcrumb' => $breadcrumb,
73         'page' => $page,
74         'level' => $level,
75         'activeMenu' => $activeMenu
76     ]);
77 }
```

⇒ Source code

10. Sekarang kita buat form untuk menambah data, kita buat file PWL/resources/views/user/create.blade.php

```
@extends('layouts.template')

@section('content')


### {{ $page->title }}



<form method="POST" action="{{ url('user') }}" class="form-horizontal">
    @csrf
    <div class="form-group row">
        <label class="col-1 control-label col-form-label">Level</label>
        <div class="col-11">
            <select class="form-control" id="level_id" name="level_id" required>
                <option value="">- Pilih Level -</option>
                @foreach($level as $item)
                    <option value="{{ $item->level_id }}>{{ $item->level_nama }}</option>
                @endforeach
            </select>
            @error('level_id')
                <small class="form-text text-danger">{{ $message }}</small>
            @enderror
        </div>
    </div>
    <div class="form-group row">
        <label class="col-1 control-label col-form-label">Username</label>
        <div class="col-11">
            <input type="text" class="form-control" id="username" name="username" value="{{ old('username') }}" required>
            @error('username')
                <small class="form-text text-danger">{{ $message }}</small>
            @enderror
        </div>
    </div>
    <div class="form-group row">
        <label class="col-1 control-label col-form-label">Nama</label>
        <div class="col-11">
            <input type="text" class="form-control" id="nama" name="nama" value="{{ old('nama') }}" required>
            @error('nama')
                <small class="form-text text-danger">{{ $message }}</small>
            @enderror
        </div>
    </div>
    <div class="form-group row">
        <label class="col-1 control-label col-form-label">Password</label>
    </div>


```

⇒ Source code

```
resources > views > user > create.blade.php > div.card.card-outline.card-primary > div.card-body > form.form-horizontal > div.form-group.row > div.col-11
1   @extends('layouts.template')
2   @section('content')
3   <div class="card card-outline card-primary">
4     <div class="card-header">
5       <h3 class="card-title">{{ $page->title }}
6       <div class="card-tools"></div>
7     </div>
8     <div class="card-body">
9       <form method="POST" action="{{ url('user') }}" class="form-horizontal">
10      @csrf
11      <div class="form-group row">
12        <label class="col-1 control-label col-form-label">Level</label>
13        <div class="col-11">
14          <select class="form-control" id="level_id" name="level_id" required>
15            <option value="">- Pilih Level -</option>
16            @foreach($level as $item)
17              <option value="{{ $item->level_id }}>{{ $item->level_nama }}</option>
18            @endforeach
19          </select>
20          @error('level_id')
21              <small class="form-text text-danger">{{ $message }}</small>
22          @enderror
23        </div>
24      </div>
25    </div>
26  </div>
```

11. Kemudian untuk bisa menng-*handle* data yang akan disimpan ke database, kita buat fungsi `store()` di `UserController.php`

```
// Menyimpan data user baru
public function store(Request $request)
{
    $request->validate([
        // username harus diisi, berupa string, minimal 3 karakter, dan bernilai unik di tabel m_user kolom username
        'username' => 'required|string|min:3|unique:m_user,username',
        'nama' => 'required|string|max:100', // nama harus diisi, berupa string, dan maksimal 100 karakter
        'password' => 'required|min:5', // password harus diisi dan minimal 5 karakter
        'level_id' => 'required|integer' // level_id harus diisi dan berupa angka
    ]);

    UserModel::create([
        'username' => $request->username,
        'nama' => $request->nama,
        'password' => bcrypt($request->password), // password dienkripsi sebelum disimpan
        'level_id' => $request->level_id
    ]);

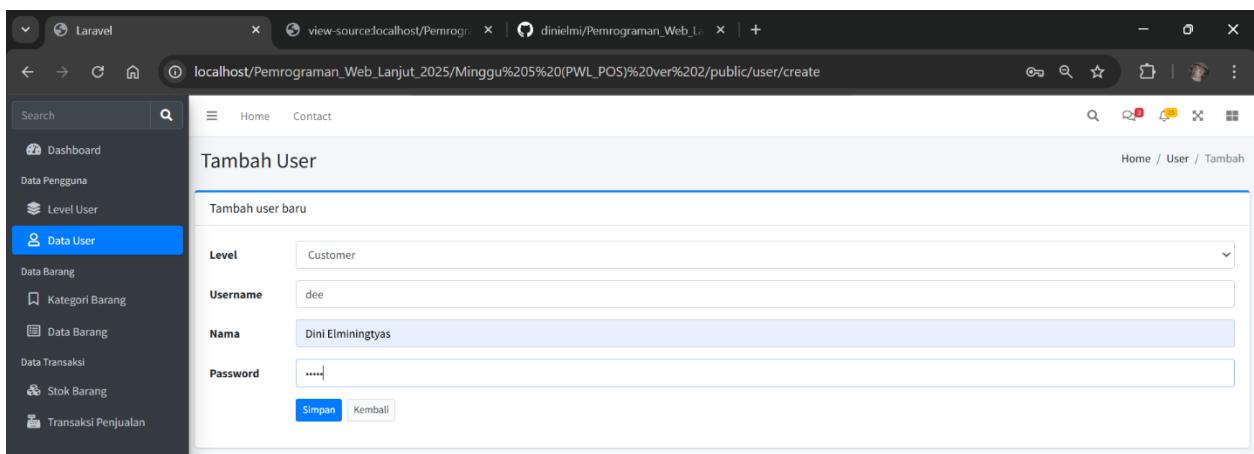
    return redirect('/user')->with('success', 'Data user berhasil disimpan');
}
```

⇒ Source code

```
73     // Menyimpan data user baru
74     public function store(Request $request)
75     {
76         $request->validate([
77             // username harus diisi, berupa string, minimal 3 karakter, dan bernilai unik di tabel m_user kolom username
78             'username' => 'required|string|min:3|unique:m_user,username',
79             'nama' => 'required|string|max:100', // nama harus diisi, berupa string, dan maksimal 100 karakter
80             'password' => 'required|min:5', // password harus diisi dan minimal 5 karakter
81             'level_id' => 'required|integer' // level_id harus diisi dan berupa angka
82         ]);
83
84         UserModel::create([
85             'username' => $request->username,
86             'nama' => $request->nama,
87             'password' => bcrypt($request->password), // password dienkripsi sebelum disimpan
88             'level_id' => $request->level_id
89         ]);
90
91         return redirect('/user')->with('success', 'Data user berhasil disimpan');
92     }
93 }
```

12. Sekarang coba kalian buka form tambah data user dengan klik tombol tambah. Amati dan pelajari..!!!

⇒ Halaman browser



ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
2	manager	Manager	Staff/Kasir	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
3	staff	Staff/Kasir	Staff/Kasir	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
4	customer-1	Pelanggan Pertama	Customer	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
5	manager_dua	Manager 2	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
6	manager_tiga	Manager 3	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
7	manager22	Manager Dua Dua	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
8	manager33	Manager Tiga Tiga	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
9	manager56	Manager55	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
10	manager12	Manager11	Manager	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
11	dee	Dini Elminingtyas	Customer	<button>Detail</button> <button>Edit</button> <button>Hapus</button>

13. Selanjutnya, kita masuk pada bagian menampilkan detail data user (klik tombol **Detail**) pada halaman user. Route yang bertugas untuk menangkap request detail adalah

```
Route::group(['prefix' => 'user'], function () {
    Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
    Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
    Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
    Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
    Route::get('{id}', [UserController::class, 'show']); // menampilkan detail user
    Route::get('{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
    Route::put('{id}', [UserController::class, 'update']); // menyimpan perubahan data user
    Route::delete('{id}', [UserController::class, 'destroy']); // menghapus data user
});
```

⇒ Source code

```
Route::group(['prefix' => 'user'], function () {
    Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
    Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
    Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
    Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
    Route::get('{id}', [UserController::class, 'show']); // menampilkan detail user
    Route::get('{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
    Route::put('{id}', [UserController::class, 'update']); // menyimpan perubahan data user
    Route::delete('{id}', [UserController::class, 'destroy']); // menghapus data user
});
```

43 | Route::get('{id}', [UserController::class, 'show']); // menampilkan detail user

14. Jadi kita buat/modifikasi fungsi `show()` pada `UserController.php` seperti berikut

```
// Menampilkan detail user
public function show(string $id)
{
    $user = UserModel::with('level')->find($id);

    $breadcrumb = (object) [
        'title' => 'Detail User',
        'list'  => ['Home', 'User', 'Detail']
    ];

    $page = (object) [
        'title' => 'Detail user'
    ];

    $activeMenu = 'user'; // set menu yang sedang aktif

    return view('user.show', ['breadcrumb' => $breadcrumb, 'page' => $page, 'user' => $user, 'activeMenu' => $activeMenu]);
}
```

⇒ Source code

```
33     // Menampilkan detail user
34     public function show(string $id)
35     {
36         $user = UserModel::with('level')->find($id);
37
38         $breadcrumb = (object) [
39             'title' => 'Detail User',
40             'list'  => ['Home', 'User', 'Detail']
41         ];
42
43         $page = (object) [
44             'title' => 'Detail user'
45         ];
46
47         $activeMenu = 'user'; // set menu yang sedang aktif
48
49         return view('user.show', ['breadcrumb' => $breadcrumb, 'page' => $page, 'user' => $user, 'activeMenu' => $activeMenu]);
50     }
51
```

15. Kemudian kita buat `view` di `PWL/resources/views/user/show.blade.php`

```
@extends('layouts.template')

@section('content')


### {{ $page->title }}



@empty($user)
    <div class="alert alert-danger alert-dismissible">
        <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
        Data yang Anda cari tidak ditemukan.
    </div>
@else
    <table class="table table-bordered table-striped table-hover table-sm">
        <tr>
            <th>ID</th>
            <td>{{ $user->user_id }}</td>
        </tr>
        <tr>
            <th>Level</th>
            <td>{{ $user->level->level_nama }}</td>
        </tr>
    </table>
@endif


```

⇒ Source code

```
1  @extends('layouts.template')
2
3  @section('content')
4  <div class="card card-outline card-primary">
5      <div class="card-header">
6          <h3 class="card-title">{{ $page->title }}</h3>
7          <div class="card-tools"></div>
8      </div>
9      <div class="card-body">
10         @empty($user)
11             <div class="alert alert-danger alert-dismissible">
12                 <h5><i class="icon fas fa-ban"></i> Kesalahan!
13                 Data yang Anda cari tidak ditemukan.
14             </div>
15         @else
16             <table class="table table-bordered table-striped table-hover table-sm">
17                 <tr>
18                     <th>ID</th>
19                     <td>{{ $user->user_id }}</td>
20                 </tr>
21                 <tr>
22                     <th>Level</th>
23                     <td>{{ $user->level->level_nama }}</td>
24                 </tr>
25                 <tr>
26                     <th>Username</th>
27                     <td>{{ $user->username }}</td>
28                 </tr>
29                 <tr>
30                     <th>Nama</th>
31                     <td>{{ $user->nama }}</td>
32                 </tr>
33                 <tr>
34                     <th>Password</th>
35                     <td>*****</td>
36                 </tr>
37             </table>
38         @endempty
39         <a href="{{ url('user') }}" class="btn btn-sm btn-default mt-2">Kembali</a>
40     </div>
41 </div>
42 @endsection
43
44 @push('css')
45 @endpush
46
47 @push('js')
48 @endpush
```

16. Sekarang kalian coba untuk melihat detail data user di browser, dan coba untuk mengetikkan id yang salah contoh <http://localhost/PWL/public/user/100> amati apa yang terjadi, dan laporan!!!

⇒ Halaman Browser

Halaman **Detail User** ini menampilkan informasi pengguna seperti ID, level, username, dan nama dengan tampilan berbasis **AdminLTE**. Data yang ditampilkan, termasuk relasi level yang berjalan baik karena level "Customer" muncul sesuai dengan ID pengguna. Password sudah disembunyikan dengan *****, tetapi sebaiknya tidak perlu ditampilkan sama sekali untuk keamanan. Breadcrumb dan tombol kembali sudah tersedia, meskipun tampilan tombol bisa ditingkatkan agar lebih jelas. Secara keseluruhan, halaman ini sudah berfungsi dengan baik, namun beberapa perbaikan UI/UX dapat dilakukan untuk meningkatkan keterbacaan dan keamanan.

17. Selanjutnya, kita masuk pada bagian untuk memodifikasi data user. Route yang bertugas untuk menangkap request edit adalah

```
Route::group(['prefix' => 'user'], function () {
    Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
    Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
    Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
    Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
    Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
    Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
    Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
    Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
});
```

⇒ Source code

```

Route::group(['prefix' => 'user'], function () {
    Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
    Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
    Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
    Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
    Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
    Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
    Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
    Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
});

```

18. Jadi kita buat fungsi `edit()` dan `update()` pada `UserController.php`

```

// Menampilkan halaman form edit user
public function edit(string $id)
{
    $user = UserModel::find($id);
    $level = LevelModel::all();

    $breadcrumb = (object) [
        'title' => 'Edit User',
        'list' => ['Home', 'User', 'Edit']
    ];

    $page = (object) [
        'title' => 'Edit user'
    ];

    $activeMenu = 'user'; // set menu yang sedang aktif

    return view('user.edit', ['breadcrumb' => $breadcrumb, 'page' => $page, 'user' => $user, 'level' => $level, 'activeMenu' => $activeMenu]);
}

// Menyimpan perubahan data user
public function update(Request $request, string $id)
{
    $request->validate([
        // username harus diisi, berupa string, minimal 3 karakter,
        // dan bernilai unik di tabel m_user kolom username kecuali untuk user dengan id yang sedang diedit
        'username' => 'required|string|min:3|unique:m_user,username,' . $id . ',user_id',
        'nama' => 'required|string|max:100', // nama harus diisi, berupa string, dan maksimal 100 karakter
        'password' => 'nullable|min:5', // password bisa diisi (minimal 5 karakter) dan bisa tidak diisi
        'level_id' => 'required|integer' // level_id harus diisi dan berupa angka
    ]);

    UserModel::find($id)->update([
        'username' => $request->username,
        'nama' => $request->nama,
        'password' => $request->password ? bcrypt($request->password) : UserModel::find($id)->password,
        'level_id' => $request->level_id
    ]);

    return redirect('/user')->with('success', 'Data user berhasil diubah');
}

```

⇒ Source code

```

111 // Menampilkan halaman form edit user
112 public function edit(string $id)
113 {
114     $user = UserModel::find($id);
115     $level = LevelModel::all();

116     $breadcrumb = (object) [
117         'title' => 'Edit User',
118         'list' => ['Home', 'User', 'Edit']
119     ];

120     $page = (object) [
121         'title' => 'Edit user'
122     ];

123     $activeMenu = 'user'; // set menu yang sedang aktif

124     return view('user.edit', ['breadcrumb' => $breadcrumb, 'page' => $page, 'user' => $user, 'level' => $level, 'activeMenu' => $activeMenu]);
125 }

126 // Menyimpan perubahan data user
127 public function update(Request $request, string $id)
128 {
129     $request->validate([
130         // username harus diisi, berupa string, minimal 3 karakter,
131         // dan bernilai unik di tabel m_user kolom username kecuali untuk user dengan id yang sedang diedit
132         'username' => 'required|string|min:3|unique:m_user,username,' . $id . ',user_id',
133         'nama' => 'required|string|max:100', // nama harus diisi, berupa string, dan maksimal 100 karakter
134         'password' => 'nullable|min:5', // password bisa diisi (minimal 5 karakter) dan bisa tidak diisi
135         'level_id' => 'required|integer' // level_id harus diisi dan berupa angka
136     ]);

137     UserModel::find($id)->update([
138         'username' => $request->username,
139         'nama' => $request->nama,
140         'password' => $request->password ? bcrypt($request->password) : UserModel::find($id)->password,
141         'level_id' => $request->level_id
142     ]);

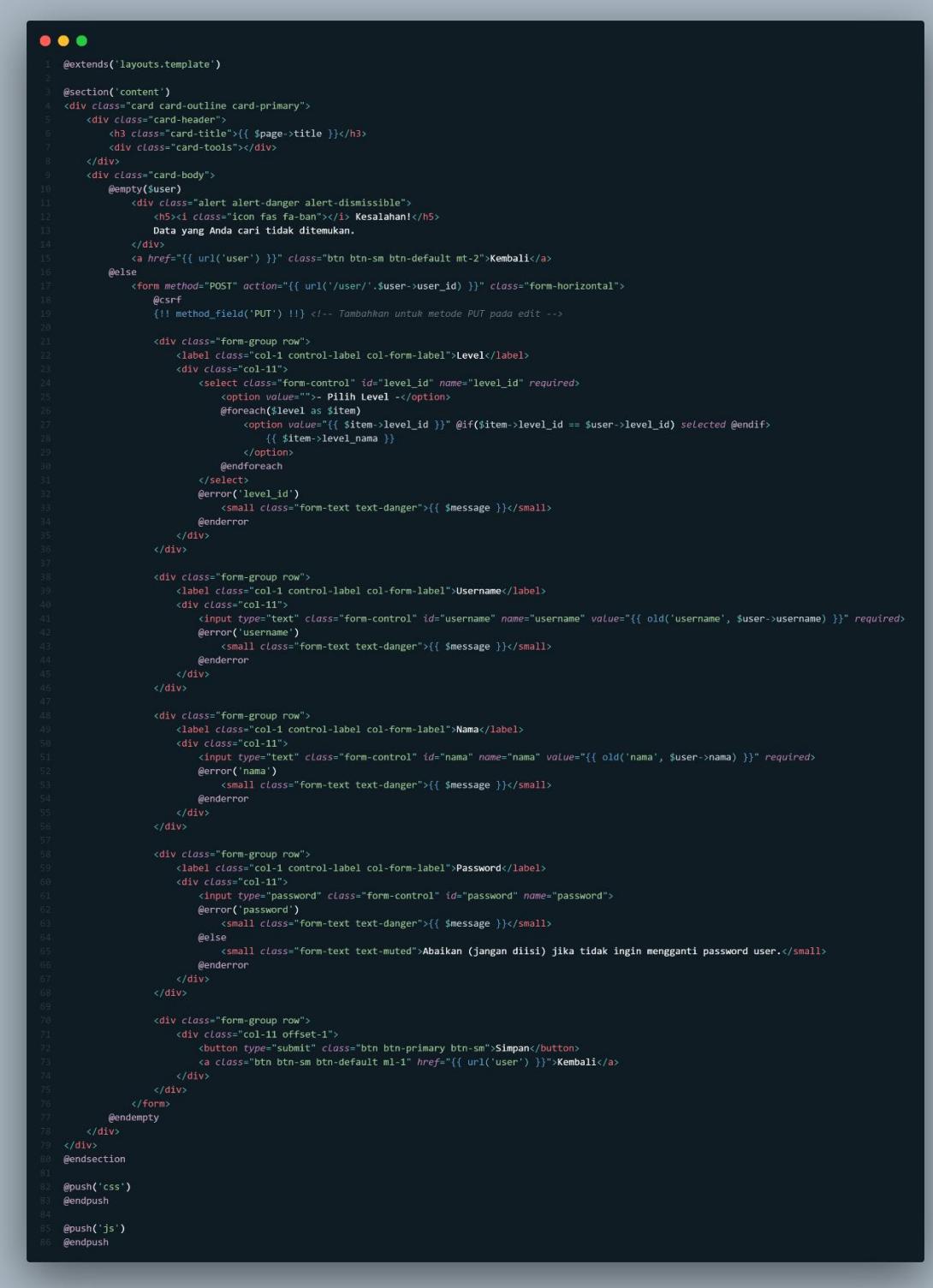
143     return redirect('/user')->with('success', 'Data user berhasil diubah');
144 }

```

19. Selanjutnya, kita buat view untuk melakukan proses edit data user di `PWL/resources/views/user/edit.blade.php`

```
@extends('layouts.template')  
@section('content')
```

⇒ Source code



```
1 @extends('layouts.template')  
2  
3 @section('content')  
4 <div class="card card-outline card-primary">  
5     <div class="card-header">  
6         <h3 class="card-title">{{ $page->title }}</h3>  
7     <div class="card-tools"></div>  
8 </div>  
9     <div class="card-body">  
10        @empty($user)  
11            <div class="alert alert-danger alert-dismissible">  
12                <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>  
13                Data yang Anda cari tidak ditemukan.  
14            </div>  
15            <a href="{{ url('user') }}" class="btn btn-sm btn-default mt-2">Kembali</a>  
16        @else  
17            <form method="POST" action="{{ url('/user/'.$user->user_id) }}" class="form-horizontal">  
18                @csrf  
19                {!! method_field('PUT') !!} <!-- Tambahkan untuk metode PUT pada edit -->  
20  
21                <div class="form-group row">  
22                    <label class="col-1 control-label col-form-label">Level</label>  
23                    <div class="col-11">  
24                        <select class="form-control" id="level_id" name="level_id" required>  
25                            <option value="">- Pilih Level </option>  
26                            @foreach($level as $item)  
27                                <option value="{{ $item->level_id }}" @if($item->level_id == $user->level_id) selected @endif>  
28                                    {{ $item->level_nama }}  
29                                </option>  
30                            @endforeach  
31                        </select>  
32                        @error('level_id')  
33                            <small class="form-text text-danger">{{ $message }}</small>  
34                        @enderror  
35                    </div>  
36                </div>  
37  
38                <div class="form-group row">  
39                    <label class="col-1 control-label col-form-label">Username</label>  
40                    <div class="col-11">  
41                        <input type="text" class="form-control" id="username" name="username" value="{{ old('username', $user->username) }}" required>  
42                        @error('username')  
43                            <small class="form-text text-danger">{{ $message }}</small>  
44                        @enderror  
45                    </div>  
46                </div>  
47  
48                <div class="form-group row">  
49                    <label class="col-1 control-label col-form-label">Nama</label>  
50                    <div class="col-11">  
51                        <input type="text" class="form-control" id="nama" name="nama" value="{{ old('nama', $user->nama) }}" required>  
52                        @error('nama')  
53                            <small class="form-text text-danger">{{ $message }}</small>  
54                        @enderror  
55                    </div>  
56                </div>  
57  
58                <div class="form-group row">  
59                    <label class="col-1 control-label col-form-label">Password</label>  
60                    <div class="col-11">  
61                        <input type="password" class="form-control" id="password" name="password">  
62                        @error('password')  
63                            <small class="form-text text-danger">{{ $message }}</small>  
64                        @else  
65                            <small class="form-text text-muted">Abalkan (jangan diisi) jika tidak ingin mengganti password user.</small>  
66                        @enderror  
67                    </div>  
68                </div>  
69  
70                <div class="form-group row">  
71                    <div class="col-11 offset-1">  
72                        <button type="submit" class="btn btn-primary btn-sm">Simpan</button>  
73                        <a class="btn btn-sm btn-default ml-1" href="{{ url('user') }}>Kembali</a>  
74                    </div>  
75                </div>  
76            </form>  
77        @endempty  
78    </div>  
79 </div>  
80 @endsection  
81  
82 @push('css')  
83 @endpush  
84  
85 @push('js')  
86 @endpush
```

20. Sekarang kalian coba untuk mengedit data user di browser, amati, pahami, dan laporkan!

⇒ Halaman Browser

The screenshot shows a web browser window with the URL `localhost/Pemrograman_Web_Lanjut_2025/Minggu%205%20(PWL_POS)%20ver%202/public/user/22/edit`. The page title is "Edit User". On the left, there is a sidebar menu with various options like Dashboard, Data Pengguna, Level User, and Data User (which is currently selected). The main content area contains a form with fields for "Level" (Customer), "Username" (dee), "Nama" (Dee Elminingtyas), and "Password" (*****). Below the form is a note: "Abaikan (jangan diisi) jika tidak ingin mengganti password user." At the bottom of the form are two buttons: "Simpan" and "Kembali".

The screenshot shows a web browser window with the URL `localhost/Pemrograman_Web_Lanjut_2025/Minggu%205%20(PWL_POS)%20ver%202/public/user`. The page title is "Daftar User". The sidebar menu is identical to the previous screenshot. The main content area displays a table titled "Daftar user yang terdaftar dalam sistem". The table has columns: ID, Username, Nama, Level Pengguna, and Aksi. The data is as follows:

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]
2	manager	Manager	Staff/Kasir	[Detail] [Edit] [Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail] [Edit] [Hapus]
4	customer-1	Pelanggan Pertama	Customer	[Detail] [Edit] [Hapus]
5	manager_dua	Manager 2	Manager	[Detail] [Edit] [Hapus]
6	manager_tiga	Manager 3	Manager	[Detail] [Edit] [Hapus]
7	manager22	Manager Dua Dua	Manager	[Detail] [Edit] [Hapus]
8	manager33	Manager Tiga Tiga	Manager	[Detail] [Edit] [Hapus]
9	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]
10	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]
11	dee	Dee Elminingtyas	Customer	[Detail] [Edit] [Hapus]

At the bottom of the table, it says "Showing 1 to 11 of 11 entries".

Data User, dapat diedit, perubahannya tersimpan, dan ditampilkan dengan baik

21. Selanjutnya kita akan membuat penanganan untuk tombol hapus. Router `web.php` yang berfungsi untuk menangkap request hapus dengan method DELETE adalah

```
Route::delete('/{id}', [UserController::class, 'destroy']);
```

⇒ Source code

```
49 | Route::delete('/{id}', [UserController::class, 'destroy']);
```

22. Jadi kita buat fungsi `destroy()` pada `UserController.php`

```
// Menghapus data user
public function destroy(string $id)
{
    $check = UserModel::find($id);
    if (!$check) { // untuk mengecek apakah data user dengan id yang dimaksud ada atau tidak
        return redirect('/user')->with('error', 'Data user tidak ditemukan');
    }

    try{
        UserModel::destroy($id); // Hapus data level

        return redirect('/user')->with('success', 'Data user berhasil dihapus');
    }catch (\Illuminate\Database\QueryException $e){

        // Jika terjadi error ketika menghapus data, redirect kembali ke halaman dengan membawa pesan error
        return redirect('/user')->with('error', 'Data user gagal dihapus karena masih terdapat tabel lain yang terkait dengan data ini');
    }
}
```

⇒ Source code

```
154 |     // Menghapus data user
155 |     public function destroy(string $id)
156 |     {
157 |         $check = UserModel::find($id);
158 |         if (!$check) { // untuk mengecek apakah data user dengan id yang dimaksud ada atau tidak
159 |             return redirect('/user')->with('error', 'Data user tidak ditemukan');
160 |         }

161 |         try {
162 |             UserModel::destroy($id); // Hapus data user
163 |             return redirect('/user')->with('success', 'Data user berhasil dihapus');
164 |         } catch (\Illuminate\Database\QueryException $e) {
165 |             // Jika terjadi error ketika menghapus data, redirect kembali ke halaman dengan membawa pesan error
166 |             return redirect('/user')->with('error', 'Data user gagal dihapus karena masih terdapat tabel lain yang terkait dengan data ini');
167 |         }
168 |     }
169 | }
```

23. Selanjutnya kita modifikasi file `PWL/resources/views/user/index.blade.php` untuk menambahkan tampilan jika ada pesan error

```
11 | <div class="card-body">
12 |     @if (session('success'))
13 |         <div class="alert alert-success">{{ session('success') }}</div>
14 |     @endif
15 |     @if (session('error'))
16 |         <div class="alert alert-danger">{{ session('error') }}</div>
17 |     @endif
18 |     <table class="table table-bordered table-striped table-hover table-sm" id="table_user">
19 |         <thead>
20 |             <tr><th>ID</th><th>Username</th><th>Nama</th><th>Level Pengguna</th><th>Aksi</th></tr>
21 |         </thead>
22 |         </table>
23 |     </div>
```

⇒ Source code

```

11     <div class="card-body">
12         @if (session('success'))
13             <div class="alert alert-success">{{ session('success') }}</div>
14         @endif
15         @if (session('error'))
16             <div class="alert alert-danger">{{ session('error') }}</div>
17         @endif
18         <table class="table table-bordered table-striped table-hover table-sm" id="table_user">
19             <thead>
20                 <tr>
21                     <th>ID</th>
22                     <th>Username</th>
23                     <th>Nama</th>
24                     <th>Level Pengguna</th>
25                     <th>Aksi</th>
26                 </tr>
27             </thead>
28         </table>
29     </div>

```

24. Kemudian jalankan browser untuk menghapus salah satu data user. Amati dan laporkan!

⇒ Halaman Browser

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]
2	manager	Manager	Staff/Kasir	[Detail] [Edit] [Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail] [Edit] [Hapus]
4	customer-1	Pelanggan Pertama	Customer	[Detail] [Edit] [Hapus]
5	manager_dua	Manager 2	Manager	[Detail] [Edit] [Hapus]
6	manager_tiga	Manager 3	Manager	[Detail] [Edit] [Hapus]
7	manager22	Manager Dua Dua	Manager	[Detail] [Edit] [Hapus]
8	manager33	Manager Tiga Tiga	Manager	[Detail] [Edit] [Hapus]
9	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]
10	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]

Data user berhasil dihapus, dan alert "Data berhasil dihapus" muncul dengan baik, hal ini karena di index.blade.php telah ditambahkan pengecekan session('success') dan session('error'), sehingga jika ada pesan sukses atau error yang diset di controller, pesan tersebut akan ditampilkan di halaman.

25. Selamat, kalian sudah membuat Laravel Starter Code untuk proses CRUD dengan menggunakan template AdminLTE dan plugin jQuery Datatables.
26. Jangan lupa commit dan push ke github PWL_POS kalian

Praktikum 4 – Implementasi Filtering DataTables

1. Kita modifikasi fungsi `index()` di `UserController.php` untuk menambahkan data yang ingin dijadikan kategori untuk data *filtering*

```
// Menampilkan halaman awal user
public function index()
{
    $breadcrumb = (object) [
        'title' => 'Daftar User',
        'list' => ['Home', 'User']
    ];

    $page = (object) [
        'title' => 'Daftar user yang terdaftar dalam sistem'
    ];

    $activeMenu = 'user'; // set menu yang sedang aktif

    $level = LevelModel::all(); // ambil data level untuk filter level

    return view('user.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu]);
}
```

⇒ Source code

```
public function index()
{
    $breadcrumb = (object) [
        'title' => 'Daftar User',
        'list' => ['Home', 'User']
    ];

    $page = (object) [
        'title' => 'Daftar user yang terdaftar dalam sistem'
    ];

    $activeMenu = 'user'; // set menu yang sedang aktif

    $level = LevelModel::all(); // ambil data level untuk filter level

    return view('user.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu]);
}
```

2. Kemudian kita modifikasi view untuk menampilkan data filtering pada `PWL/resources/views/user/index.blade.php`

```
@if (session('error'))
    <div class="alert alert-danger">{{ session('error') }}</div>
@endif

<div class="row">
    <div class="col-md-12">
        <div class="form-group row">
            <label class="col-1 control-label col-form-label">Filter:</label>
            <div class="col-3">
                <select class="form-control" id="level_id" name="level_id" required>
                    <option value="">- Semua -</option>
                    @foreach($level as $item)
                        <option value="{{ $item->level_id }}>{{ $item->level_nama }}</option>
                    @endforeach
                </select>
                <small class="form-text text-muted">Level Pengguna</small>
            </div>
        </div>
    </div>
</div>

<table class="table table-bordered table-striped table-hover table-sm" id="table_user">
    <thead>
        <tr><th>ID</th><th>Username</th><th>Nama</th><th>Level Pengguna</th><th>Aksi</th></tr>
    </thead>
    <tbody>
    </tbody>
</table>
</div>
</div>
@endsection
```

⇒ Source code

```
17     @enroll
18     <div class="row">
19     <div class="col-md-12">
20     <div class="form-group row">
21         <label class="col-1 control-label col-form-label">Filter:</label>
22         <div class="col-3">
23             <select class="form-control" id="level_id" name="level_id" required>
24                 <option value="">- Semua -</option>
25                 @foreach ($level as $item)
26                     <option value="{{ $item->level_id }}>{{ $item->level_nama }}</option>
27                 @endforeach
28             </select>
29             <small class="form-text text-muted">Level Pengguna</small>
30         </div>
31     </div>
32 </div>
```

3. Selanjutnya, tetap pada view index.blade.php, kita tambahkan kode berikut pada deklarasi ajax di datatable. Kode ini digunakan untuk mengirimkan data untuk filtering

```
46 @push('js')
47 <script>
48     $(document).ready(function() {
49         var dataUser = $('#table_user').DataTable({
50             serverSide: true, // serverSide: true, jika ingin menggunakan server side processing
51             ajax: {
52                 "url": "{{ url('user/list') }}",
53                 "dataType": "json",
54                 "type": "POST",
55                 "data": function (d) {
56                     d.level_id = $('#level_id').val();
57                 }
58             },
59             columns: [
60                 {
61                     data: "DT_RowIndex", // nomor urut dari laravel datatable addIndexColumn()
```

⇒ Source code

```
@push('js')
<script>
$(document).ready(function() {
    var dataUser = $('#table_user').DataTable({
        // serverSide: true, jika ingin menggunakan server side processing
        // serverSide: true,
        ajax: {
            "url": "{{ url('user/list') }}",
            "dataType": "json",
            "type": "POST",
            "data": function(d) {
                d.level_id = $('#level_id').val();
            }
        },
        columns: [
```

4. Kemudian kita edit pada bagian akhir script @push('js') untuk menambahkan listener jika data filtering dipilih

```

81     |         data: "aksi",
82     |         className: "",
83     |         orderable: false, // orderable: true, jika ingin kolom ini bisa diurutkan
84     |         searchable: false // searchable: true, jika ingin kolom ini bisa dicari
85     |
86     |
87   });
88 });
89
90 $('#level_id').on('change', function() {
91   dataUser.ajax.reload();
92 });
93 });
94 });
95 </script>
96 @endpush

```

⇒ Source code

```

104     $('#level_id').on('change', function() {
105       dataUser.ajax.reload();
106     });
107   });
108 });
109 </script>
110 @endpush

```

5. Tahapan akhir adalah memodifikasi fungsi `list()` pada `UserController.php` yang digunakan untuk menampilkan data pada datatable

```

// Ambil data user dalam bentuk json untuk datatables
public function list(Request $request)
{
    $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
        ->with('level');

    // Filter data user berdasarkan level_id
    if ($request->level_id) {
        $users->where('level_id', $request->level_id);
    }

    return DataTables::of($users)
        ->addIndexColumn() // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
        ->addColumn('aksi', function ($user) { // menambahkan kolom aksi
            $btn = '<a href="'.url('/user/' . $user->user_id).'" class="btn btn-info btn-sm">Detail</a> ';
            $btn .= '<a href="'.url('/user/' . $user->user_id . '/edit).'" class="btn btn-warning btn-sm">Edit</a> ';
            $btn .= '<form class="d-inline-block" method="POST" action="'.url('/user/'. $user->user_id).'">';
            $btn .= csrf_field() . method_field('DELETE') .
            '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\')>Hapus</button>';
            return $btn;
        })
        ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
        ->make(true);
}

```

⇒ Source code

```

// Ambil data user dalam bentuk json untuk datatables
public function list(Request $request)
{
    $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
        ->with('level');

    // Filter data user berdasarkan level_id
    if ($request->level_id) {
        $users->where('level_id', $request->level_id);
    }

    return DataTables::of($users)
        // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)

```

6. Bagian akhir adalah kita coba jalankan di browser dengan akses menu user, maka akan tampil seperti berikut

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]
2	manager	Manager	Manager	[Detail] [Edit] [Hapus]
3	supervisor	Supervisor	Supervisor	[Detail] [Edit] [Hapus]
4	kasir1	Kasir 1	Kasir/Staff	[Detail] [Edit] [Hapus]
5	kasir2	Kasir 2	Kasir/Staff	[Detail] [Edit] [Hapus]
6	administrator	Administrator	Administrator	[Detail] [Edit] [Hapus]

⇒ Halaman Browser

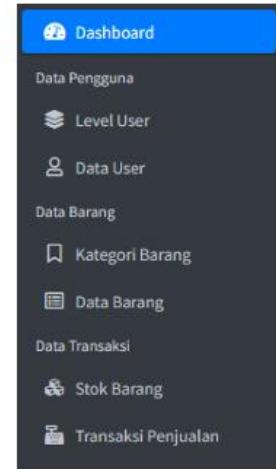
ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]
2	manager	Manager	Staff/Kasir	[Detail] [Edit] [Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail] [Edit] [Hapus]
4	customer-1	Pelanggan Pertama	Customer	[Detail] [Edit] [Hapus]
5	manager_dua	Manager 2	Manager	[Detail] [Edit] [Hapus]
6	manager_tiga	Manager 3	Manager	[Detail] [Edit] [Hapus]
7	manager22	Manager Dua Dua	Manager	[Detail] [Edit] [Hapus]
8	manager33	Manager Tiga Tiga	Manager	[Detail] [Edit] [Hapus]
9	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]
10	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]

7. Selamat, sekarang Laravel Starter Code sudah ada filtering dan searching data. Starter Code sudah bisa digunakan dalam membangun sebuah sistem berbasis website.
8. Jangan lupa commit dan push ke github PWL_POS kalian

TUGAS

Implementasikan web layout dan datatables, pada menu berikut ini

- ✓ Tabel m_level
- ✓ Tabel m_kategori
- ✓ Tabel m_supplier
- ✓ Tabel m_barang



➤ Table m_level

⇒ Source code

Models

```
app > Models > LevelModel.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7  use Illuminate\Database\Eloquent\Relations\BelongsTo;
8
9  class LevelModel extends Model
10 {
11     use HasFactory;
12
13     protected $table = 'm_level'; // Mendefinisikan nama tabel yang digunakan oleh model ini
14     protected $primaryKey = 'level_id'; // Mendefinisikan primary key dari tabel yang digunakan
15
16     public function user() : BelongsTo {
17         return $this->belongsTo(UserModel::class);
18     }
19
20 }
21
```

Controller

```
app > Http > Controllers > LevelController.php > index
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\LevelModel;
6  use Illuminate\Http\Request;
7  use Yajra\DataTables\Facades\DataTables;
8
9  class LevelController extends Controller
10 {
11     public function index()
12     {
13         $breadcrumb = (object) [
14             'title' => 'Daftar Level',
15             'list' => ['Home', 'Level']
16         ];
17
18         $page = (object) [
19             'title' => 'Daftar level yang terdaftar dalam sistem'
20         ];
21
22         $activeMenu = 'level';
23
24         return view('level.index', compact('breadcrumb', 'page', 'activeMenu'));
25     }
26
27     public function list(Request $request)
28     {
29         $levels = LevelModel::select('level_id', 'level_kode', 'level_nama'); // Ubah di sini
30
31         return DataTables::of($levels)
32             ->addIndexColumn()
33             ->addColumn('aksi', function ($level) {
34                 $btn = '<a href="'. url('/level/' . $level->level_id) . '" class="btn btn-info btn-sm">Detail</a> ';
35                 $btn .= '<a href="'. url('/level/' . $level->level_id) . '/edit' . '" class="btn btn-warning btn-sm">Edit</a> ';
36                 $btn .= '<form class="d-inline-block" method="POST" action="'. url('/level/' . $level->level_id) . '">';
37                 $btn .= csrf_field() . method_field('DELETE') . '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(`Apakah Anda yakin menghapus data ini?`);">Hapus</button></form>';
38                 return $btn;
39             })
40             ->rawColumns(['aksi'])
41             ->make(true);
42     }
43 }
44 }
```

View

index.blade

```
resources > views > level > index.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4      <div class="card card-outline card-primary">
5          <div class="card-header">
6              <h3 class="card-title">{{ $page->title }}</h3>
7              <div class="card-tools">
8                  <a class="btn btn-sm btn-primary mt-1" href="{{ url('level/create') }}">Tambah</a>
9              </div>
10         </div>
11         <div class="card-body">
12             @if (session('success'))
13                 <div class="alert alert-success">{{ session('success') }}</div>
14             @endif
15             @if (session('error'))
16                 <div class="alert alert-danger">{{ session('error') }}</div>
17             @endif
18             <table class="table table-bordered table-hover table-sm" id="table_level">
19                 <thead>
20                     <tr>
21                         <th>ID</th>
22                         <th>Kode Level</th>
23                         <th>Nama Level</th>
24                         <th>Aksi</th>
25                     </tr>
26                 </thead>
27             </table>
28         </div>
29     @endsection
```

create.blade

```
resources > views > level > 📄 create.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10      <form method="POST" action="{{ url('level') }}" class="form-horizontal">
11        @csrf
12
13        <div class="form-group row">
14          <label class="col-1 control-label col-form-label">Kode Level</label>
15          <div class="col-11">
16            <input type="text" class="form-control" id="level_kode" name="level_kode" value="{{ old('level_kode') }}" required>
17            @error('level_kode')
18              <small class="form-text text-danger">{{ $message }}</small>
19            @enderror
20          </div>
21        </div>
22      </div>
```

edit.blade

```
resources > views > level > 📄 edit.blade.php > ✎ div.card.card-outline.card-primary > ✎ div.card-body > ✎ form.form-horizontal > ✎ div.form-group.row > ✎ div.col-11 > ✎ input#level_nama.form-control
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10       @empty($level)
11         <div class="alert alert-danger alert-dismissible">
12           <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13           Data yang Anda cari tidak ditemukan.
14         </div>
15         <a href="{{ url('level') }}" class="btn btn-sm btn-default mt-2">Kembali</a>
16       @else
17         <form method="POST" action="{{ url('/level/'.$level->level_id) }}" class="form-horizontal">
18           @csrf
19           {{! method_field('PUT') !!}
20           <!-- tambahkan baris ini untuk proses edit yang butuh method PUT -->
21
22           <div class="form-group row">
23             <label class="col-1 control-label col-form-label">Kode Level</label>
24             <div class="col-11">
25               <input type="text" class="form-control" id="level_kode" name="level_kode" value="{{ old('level_kode', $level->level_kode) }}" required>
26               @error('level_kode')
27                 <small class="form-text text-danger">{{ $message }}</small>
28               @enderror
29             </div>
30           </div>
31         </form>
32       @endif
33     </div>
```

Show.blade

```
resources > views > level > 📄 show.blade.php > ...
1
2   @extends('layouts.template')
3
4   @section('content')
5     <div class="card card-outline card-primary">
6       <div class="card-header">
7         <h3 class="card-title">{{ $page->title }}</h3>
8         <div class="card-tools"></div>
9       </div>
10      <div class="card-body">
11        @empty($level)
12          <div class="alert alert-danger alert-dismissible">
13            <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
14            Data yang Anda cari tidak ditemukan.
15          </div>
16        @endif
17      </div>
```

Routing

```
53     Route::group(['prefix' => 'level'], function () {
54         Route::get('/', [LevelController::class, 'index']);
55         Route::post('/list',[LevelController::class, 'list']);
56         Route::get('/create',[LevelController::class, 'create']);
57         Route::post('/',[LevelController::class, 'store']);
58         Route::get('/{id}',[LevelController::class, 'show']);
59         Route::get('/{id}/edit',[LevelController::class, 'edit']);
60         Route::put('/{id}',[LevelController::class, 'update']);
61         Route::delete('/{id}',[LevelController::class, 'destroy']);
62     });
}
```

⇒ Halaman Browser

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staff/Kasir	[Detail] [Edit] [Hapus]
4	CUS	Customer	[Detail] [Edit] [Hapus]

Detail

ID	1
Kode Level	ADM
Nama Level	Administrator

Edit

The screenshot shows a web application interface for editing a user level. The left sidebar has a blue header 'Level User'. The main content area has a title 'Edit Level' and a sub-section 'Edit level'. It contains two input fields: 'Kode Level' with value 'ADMIN' and 'Nama Level' with value 'Administrator'. Below the inputs are 'Simpan' and 'Kembali' buttons. The footer includes copyright information and a 'Version 3.2.0' link.

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Version 3.2.0

The screenshot shows a list of user levels. The left sidebar has a blue header 'Level User'. The main content area has a title 'Daftar Level' and a sub-section 'Daftar level yang terdaftar dalam sistem'. A green banner at the top says 'Data level berhasil diubah'. Below is a table with columns 'ID', 'Kode Level', 'Nama Level', and 'Aksi'. The table contains four entries:

ID	Kode Level	Nama Level	Aksi
1	ADMIN	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staff/Kasir	[Detail] [Edit] [Hapus]
4	CUS	Customer	[Detail] [Edit] [Hapus]

Below the table, it says 'Showing 1 to 4 of 4 entries' and has 'Previous' and 'Next' buttons. The footer includes copyright information and a 'Version 3.2.0' link.

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Version 3.2.0

➤ Table m_kategori

⇒ Source code

Models

```
app > Models > KategoriModel.php > KategoriModel
1  <?php
2  namespace App\Models;
3
4  use Illuminate\Database\Eloquent\Factories\HasFactory;
5  use Illuminate\Database\Eloquent\Model;
6
7  class KategoriModel extends Model
8  {
9      use HasFactory;
10
11     protected $table = 'm_kategori';
12     protected $primaryKey = 'kategori_id';
13     protected $fillable = ['kategori_nama'];
14 }
```

Controller

```
app > Http > Controllers > KategoriController.php > KategoriController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\KategoriModel;
6  use Illuminate\Support\Facades\DB;
7  use Illuminate\Http\Request;
8  use Yajra\DataTables\Facades\DataTables;
9
10 class KategoriController extends Controller
11 {
12     public function index()
13     {
14         $breadcrumb = (object) [
15             'title' => 'Daftar Kategori',
16             'list' => ['Home', 'Kategori']
17         ];
18
19         $page = (object) [
20             'title' => 'Daftar kategori yang terdaftar dalam sistem'
21         ];
22
23         $activeMenu = 'kategori';
24
25         return view('kategori.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
26     }
27     public function list(Request $request)
28     {
29         $kategoris = KategoriModel::select('kategori_id', 'kategori_kode', 'kategori_nama');
30
31         return DataTables::of($kategoris)
32             // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
33             ->addIndexColumn()
34             ->addColumn('aksi', function ($kategori) { // menambahkan kolom aksi
35                 $btn = '<a href="" . url("/kategori/" . $kategori->kategori_id) . "" class="btn btn-info btn-sm">Detail</a> ';
36                 $btn .= '<a href="" . url("/kategori/" . $kategori->kategori_id) . "/edit" . "" class="btn btn-warning btn-sm">Edit</a> ';
37                 $btn .= '<form class="d-inline-block" method="POST" action="" .
38                     url("/kategori/" . $kategori->kategori_id) . '">' .
39                     '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\');">Hapus</button></form>';
40                 return $btn;
41             })
42             ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
43             ->make(true);
44     }
45 }
```

View

index.blade

```
resources > views > kategori > index.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4  <div class="card card-outline card-primary">
5      <div class="card-header">
6          <h3 class="card-title">{{ $page->title }}</h3>
7          <div class="card-tools">
8              <a class="btn btn-sm btn-primary mt-1" href="{{ url('kategori/create') }}">Tambah</a>
9          </div>
10     </div>
11     <div class="card-body">
12         @if (session('success'))
13             <div class="alert alert-success">{{ session('success') }}</div>
14         @endif
15         @if (session('error'))
16             <div class="alert alert-danger">{{ session('error') }}</div>
17         @endif
18         <table class="table table-bordered table-hover table-sm" id="table_kategori">
19             <thead>
20                 <tr>
21                     <th>ID</th>
22                     <th>Kode Kategori</th>
23                     <th>Nama Kategori</th>
24                     <th>Aksi</th>
25                 </tr>
26             </thead>
27             <tbody>
28             </tbody>
29         </div>
30     @endsection
```

create.blade

```
resources > views > kategori > create.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4  <div class="card card-outline card-primary">
5      <div class="card-header">
6          <h3 class="card-title">{{ $page->title }}</h3>
7          <div class="card-tools"></div>
8      </div>
9      <div class="card-body">
10         <form method="POST" action="{{ url('kategori') }}" class="form-horizontal">
11             @csrf
12
13             <div class="form-group row">
14                 <label class="col-1 control-label col-form-label">Kode Kategori</label>
15                 <div class="col-11">
16                     <input type="text" class="form-control" id="kategori_kode" name="kategori.kode" value="{{ old('kategori.kode') }}" required>
17                     @error('kategori.kode')
18                         <small class="form-text text-danger">{{ $message }}</small>
19                     @enderror
20                 </div>
21             </div>
22         </form>
23     </div>
24     @endsection
```

edit.blade

```
resources > views > kategori > edit.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4  <div class="card card-outline card-primary">
5      <div class="card-header">
6          <h3 class="card-title">{{ $page->title }}</h3>
7          <div class="card-tools"></div>
8      </div>
9      <div class="card-body">
10         @empty($kategori)
11             <div class="alert alert-danger alert-dismissible">
12                 <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13                 Data yang Anda cari tidak ditemukan.
14             </div>
15             <a href="{{ url('kategori') }}" class="btn btn-sm btn-default mt-2">Kembali</a>
```

Show.blade

```
resources > views > kategori > show.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4   <div class="card card-outline card-primary">
5       <div class="card-header">
6           <h3 class="card-title">{{ $page->title }}</h3>
7           <div class="card-tools"></div>
8       </div>
9       <div class="card-body">
10          @empty($kategori)
11              <div class="alert alert-danger alert-dismissible">
12                  <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13                  Data yang Anda cari tidak ditemukan.
14              </div>
15      </div>
```

Routing

```
64 Route::group(['prefix' => 'kategori'], function () {
65     Route::get('/', [KategoriController::class, 'index']);
66     Route::post('/list', [KategoriController::class, 'list']);
67     Route::get('/create', [KategoriController::class, 'create']);
68     Route::post('/', [KategoriController::class, 'store']);
69     Route::get('/{id}', [KategoriController::class, 'show']);
70     Route::get('/{id}/edit', [KategoriController::class, 'edit']);
71     Route::put('/{id}', [KategoriController::class, 'update']);
72     Route::delete('/{id}', [KategoriController::class, 'destroy']);
73 });
```

⇒ Halaman Browser

The screenshot shows a web browser window with the URL `localhost/Pemrograman_Web_Lanjut_2025/Minggu%20%20(PWL_POS)%20ver%202/public/kategori`. The page title is "Daftar Kategori". On the left, there is a sidebar menu with items like Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang (which is selected), Data Supplier, Data Barang, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area displays a table titled "Daftar Kategori yang terdaftar dalam sistem". The table has columns: ID, Kode Kategori, Nama Kategori, and Aksi. The data is as follows:

ID	Kode Kategori	Nama Kategori	Aksi
1	KAT001	Elektronik	Detail Edit Hapus
2	KAT002	Pakaian	Detail Edit Hapus
3	KAT003	Alat Tulis	Detail Edit Hapus
4	KAT004	Makanan	Detail Edit Hapus
5	KAT005	Minuman	Detail Edit Hapus
6	CML	Cemilan	Detail Edit Hapus
7	MNR	Minuman Ringan	Detail Edit Hapus
8	SPTU	Sepatu	Detail Edit Hapus

At the bottom of the page, there is a footer with the text "Copyright © 2014-2021 AdminLTE.io. All rights reserved." and "Version 3.2.0".

Detail

The screenshot shows a web application interface titled 'Detail kategori'. On the left, there is a sidebar with various menu items: Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang (which is highlighted in blue), Data Supplier, Data Barang, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area has a header 'Detail kategori' and a breadcrumb 'Home / kategori / Detail'. Below this is a table with three rows: 'ID' (1), 'Kode Level' (KAT001), and 'Nama Level' (Elektronik). At the bottom of the table is a 'Kembali' button. The footer of the page includes 'Copyright © 2014-2021 AdminLTE.io. All rights reserved.' and 'Version 3.2.0'.

Edit

The screenshot shows a web application interface titled 'Edit kategori'. The sidebar is identical to the 'Detail' page, with 'Kategori Barang' being the active item. The main content area has a header 'Edit kategori' and a breadcrumb 'Home / kategori / Edit'. Below this is a form with two input fields: 'Kode Kategori' (KAT001) and 'Nama Kategori' (Electronics). At the bottom of the form are 'Simpan' and 'Kembali' buttons. The footer of the page includes 'Copyright © 2014-2021 AdminLTE.io. All rights reserved.' and 'Version 3.2.0'.

Daftar Kategori

Daftar kategori yang terdaftar dalam sistem

Data kategori berhasil diubah

ID	Kode Kategori	Nama Kategori	Aksi
1	KAT001	Electronics	Detail Edit Hapus
2	KAT002	Pakaian	Detail Edit Hapus
3	KAT003	Alat Tulis	Detail Edit Hapus
4	KAT004	Makanan	Detail Edit Hapus
5	KAT005	Minuman	Detail Edit Hapus
6	CML	Cemilan	Detail Edit Hapus
7	MNR	Minuman Ringan	Detail Edit Hapus
8	SPTU	Sepatu	Detail Edit Hapus

Showing 1 to 8 of 8 entries

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Version 3.2.0

➤ Table m_kategori

⇒ Source code

Models

```
app > Models > 🏠 SupplierModel.php > 📁 SupplierModel
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class SupplierModel extends Model
9  {
10     use HasFactory;
11     protected $table = 'm_supplier';
12     protected $primaryKey = 'supplier_id';
13     /**
14      * The attributes that are mass assignable.
15      *
16      * @var array
17      */
18     protected $fillable = ['supplier_kode', 'supplier_nama', 'supplier_alamat'];
19 }
```

Controller

```
app > Http > Controllers > SupplierController.php > SupplierController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\SupplierModel;
6  use Illuminate\Http\Request;
7  use Yajra\DataTables\Facades\DataTables;
8
9  class SupplierController extends Controller
10 {
11     public function index()
12     {
13         $breadcrumb = (object) [
14             'title' => 'Daftar Supplier',
15             'list' => ['Home', 'Supplier']
16         ];
17
18         $page = (object) [
19             'title' => 'Daftar supplier yang terdaftar dalam sistem'
20         ];
21
22         $activeMenu = 'supplier';
23
24         return view('supplier.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
25     }
26     public function list(Request $request)
27     {
28         $suppliers = SupplierModel::select('supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat');
29
30         return DataTables::of($suppliers)
31             // menambahkan kolom index / no urut (default nama kolom: Dt_RowIndex)
32             ->addIndexColumn()
33             ->addColumn('aksi', function ($supplier) { // menambahkan kolom aksi
34                 $btn = '<a href="'. url('/supplier/' . $supplier->supplier_id) . '" class="btn btn-info btn-sm">Detail</a> ';
35                 $btn .= '<a href="'. url('/supplier/' . $supplier->supplier_id) . '/edit" ' . " class="btn btn-warning btn-sm">Edit</a> ";
36                 $btn .= '<form class="d-inline-block" method="POST" action="'. url('/supplier/' . $supplier->supplier_id) . '">';
37                 $btn .= csrf_field() . method_field('DELETE') .
38                 '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\\'Apakah Anda yakin menghapus data ini?\')>Hapus</button></form>';
39                 return $btn;
40             })
41             ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
42             ->make(true);
43     }
44 }
```

View

index.blade

```
resources > views > supplier > index.blade.php > script > <function> > dataLevel
1  @extends('layouts.template')
2
3  @section('content')
4      <div class="card card-outline card-primary">
5          <div class="card-header">
6              <h3 class="card-title">{{ $page->title }}</h3>
7              <div class="card-tools">
8                  <a class="btn btn-sm btn-primary mt-1" href="{{ url('supplier/create') }}">Tambah</a>
9              </div>
10         </div>
11         <div class="card-body">
12             @if (session('success'))
13                 <div class="alert alert-success">{{ session('success') }}</div>
14             @endif
15             @if (session('error'))
16                 <div class="alert alert-danger">{{ session('error') }}</div>
17             @endif
18             <table class="table table-bordered table-hover table-sm" id="table_supplier">
19                 <thead>
20                     <tr>
21                         <th>ID</th>
22                         <th>Kode Supplier</th>
23                         <th>Nama Supplier</th>
24                         <th>Alamat Supplier</th>
25                         <th>Aksi</th>
26                     </tr>
27                 </thead>
28                 <tbody>
29             </tbody>
30         </div>
31     @endsection
```

create.blade

```
resources > views > supplier >  create.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10      <form method="POST" action="{{ url('supplier') }}" class="form-horizontal">
11        @csrf
12
13        <div class="form-group row">
14          <label class="col-1 control-label col-form-label">Kode Supplier</label>
15          <div class="col-11">
16            <input type="text" class="form-control" id="supplier_kode" name="supplier_kode" value="{{ old('supplier_kode') }}" required>
17            @error('supplier_kode')
18              <small class="form-text text-danger">{{ $message }}</small>
19            @enderror
20          </div>
21        </div>
22      </div>
```

edit.blade

```
resources > views > supplier >  edit.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10       @empty($supplier)
11         <div class="alert alert-danger alert-dismissible">
12           <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13           Data yang Anda cari tidak ditemukan.
14         </div>
15         <a href="{{ url('supplier') }}" class="btn btn-sm btn-default mt-2">Kembali</a>
16       @else
17         <form method="POST" action="{{ url('/supplier/'.$supplier->supplier_id) }}" class="form-horizontal">
18           @csrf
19           {{! method_field('PUT') !!}}
20           <!-- tambahan baris ini untuk proses edit yang butuh method PUT -->
21
22           <div class="form-group row">
23             <label class="col-1 control-label col-form-label">Kode Supplier</label>
24             <div class="col-11">
25               <input type="text" class="form-control" id="supplier_kode" name="supplier_kode" value="{{ old('supplier_kode', $supplier->supplier_kode) }}" required>
26               @error('supplier_kode')
27                 <small class="form-text text-danger">{{ $message }}</small>
28               @enderror
29             </div>
30           </div>
```

Show.blade

```
resources > views > supplier >  show.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10       @empty($supplier)
11         <div class="alert alert-danger alert-dismissible">
12           <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13           Data yang Anda cari tidak ditemukan.
14         </div>
15       @else
```

Routing

```
75 Route::group(['prefix' => 'supplier'], function () {
76   Route::get('/', [SupplierController::class, 'index']);
77   Route::post('/list', [SupplierController::class, 'list']);
78   Route::get('/create', [SupplierController::class, 'create']);
79   Route::post('/store', [SupplierController::class, 'store']);
80   Route::get('/{id}', [SupplierController::class, 'show']);
81   Route::get('/{id}/edit', [SupplierController::class, 'edit']);
82   Route::put('/{id}', [SupplierController::class, 'update']);
83   Route::delete('/{id}', [SupplierController::class, 'destroy']);
84 });
```

⇒ Halaman Browser

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	Supplier A	Jl. Merdeka No. 1, Jakarta	[Detail] [Edit] [Hapus]
2	SUP002	Supplier B	Jl. Pahlawan No. 5, Surabaya	[Detail] [Edit] [Hapus]
3	SUP003	Supplier C	Jl. Raya No. 10, Bandung	[Detail] [Edit] [Hapus]
4	SUP004	Supplier D	Jl. Sejahtera No. 8, Yogyakarta	[Detail] [Edit] [Hapus]
5	SUP005	Supplier E	Jl. Sentosa No. 3, Bali	[Detail] [Edit] [Hapus]

Detail

Edit

Search Q

- Dashboard
- Data Pengguna
- Level User
- Data User
- Data Barang
- Kategori Barang
- Data Supplier**
- Data Barang
- Data Transaksi
- Stok Barang
- Transaksi Penjualan

Edit supplier

Home / supplier / Edit

Kode Supplier SUP001

Nama Supplier Supplier A

Alamat Supplier Jl. Merdeka No. 1, Jakarta Pusat

Simpan **Kembali**

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Version 3.2.0

Search Q

- Dashboard
- Data Pengguna
- Level User
- Data User
- Data Barang
- Kategori Barang
- Data Supplier**
- Data Barang
- Data Transaksi
- Stok Barang
- Transaksi Penjualan

Daftar Supplier

Home / Supplier

Tambah

Data supplier berhasil diubah

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	Supplier A	Jl. Merdeka No. 1, Jakarta Pusat	Detail Edit Hapus
2	SUP002	Supplier B	Jl. Pahlawan No. 5, Surabaya	Detail Edit Hapus
3	SUP003	Supplier C	Jl. Raya No. 10, Bandung	Detail Edit Hapus
4	SUP004	Supplier D	Jl. Sejahtera No. 8, Yogyakarta	Detail Edit Hapus
5	SUP005	Supplier E	Jl. Sentosa No. 3, Bali	Detail Edit Hapus

Showing 1 to 5 of 5 entries

Previous 1 Next

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Version 3.2.0

➤ Table m_barang

⇒ Source code

Models

```
app > Models > BarangModel.php > BarangModel
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7  use Illuminate\Database\Eloquent\Relations\BelongsTo;
8
9  class BarangModel extends Model
10 {
11     use HasFactory;
12     protected $table = 'm_barang';
13     protected $primaryKey = 'barang_id';
14     /**
15      * The attributes that are mass assignable.
16      *
17      * @var array
18     */
19     protected $fillable = ['kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual'];
20
21     public function kategori(): BelongsTo
22     {
23         return $this->belongsTo(KategoriModel::class, 'kategori_id', 'kategori_id');
24     }
25 }
```

Controller

```
app > Http > Controllers > BarangController.php > BarangController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\BarangModel;
6  use App\Models\KategoriModel;
7  use Illuminate\Http\Request;
8  use Yajra\DataTables\Facades\DataTables;
9
10 class BarangController extends Controller
11 {
12     public function index()
13     {
14         $breadcrumb = (object) [
15             'title' => 'Daftar Barang',
16             'list' => ['Home', 'Barang']
17         ];
18
19         $page = (object) [
20             'title' => 'Daftar barang yang terdaftar dalam sistem'
21         ];
22
23         $activeMenu = 'barang';
24
25         $kategori = KategoriModel::all(); // ambil data kategori untuk filter kategori
26
27         return view('barang.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'kategori' => $kategori, 'activeMenu' => $activeMenu]);
28     }
29     public function list(Request $request)
30     {
31         $barangs = BarangModel::select('barang_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual', 'kategori_id')
32             ->with('kategori');
33
34         // Filter data barang berdasarkan kategori_id
35         if ($request->kategori_id) {
36             $barangs->where('kategori_id', $request->kategori_id);
37         }
38
39         return DataTables::of($barangs)
40             // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
41             ->addIndexColumn()
42             ->addColumn('aksi', function ($barang) { // menambahkan kolom aksi
43                 $btn = '<a href="'. url('/barang/' . $barang->barang_id) . '" class="btn btn-info btn-sm">Detail</a> ';
44                 $btn .= '<a href="'. url('/barang/' . $barang->barang_id . '/edit') . '" class="btn btn-warning btn-sm">Edit</a> ';
45                 $btn .= '<form class="d-inline-block" method="POST" action="'. url('/barang/' . $barang->barang_id) . '>';
46                 $btn .= csrf_field() . method_field('DELETE') .
47                     '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\');">Hapus</button></form>';
48                 return $btn;
49             })
50             ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
51             ->make(true);
52     }
53 }
```

View

index.blade

```
resources > views > barang > index.blade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools">
8           <a class="btn btn-sm btn-primary mt-1" href="{{ url('barang/create') }}">Tambah</a>
9         </div>
10    </div>
11    <div class="card-body">
12      @if (session('success'))
13        <div class="alert alert-success">{{ session('success') }}</div>
14      @endif
15      @if (session('error'))
16        <div class="alert alert-danger">{{ session('error') }}</div>
17      @endif
18    </div>
```

create.blade

```
resources > views > barang > create.blade.php > ...
1   @extends('layouts.app')
2
3   @section('content')
4     <div class="container">
5       <h1>Tambah Barang</h1>
6       <form action="{{ route('barang.store') }}" method="POST">
7         @csrf
8         <div class="mb-3">
9           <label>Kode Barang</label>
10          <input type="text" name="barang_kode" class="form-control" required>
11        </div>
12        <div class="mb-3">
13          <label>Nama Barang</label>
14          <input type="text" name="barang_nama" class="form-control" required>
15        </div>
16        <div class="mb-3">
17          <label>Harga Beli</label>
18          <input type="number" name="harga_beli" class="form-control" required>
19        </div>
20    </form>
```

edit.blade

```
resources > views > barang > editblade.php > ...
1   @extends('layouts.template')
2
3   @section('content')
4     <div class="card card-outline card-primary">
5       <div class="card-header">
6         <h3 class="card-title">{{ $page->title }}</h3>
7         <div class="card-tools"></div>
8     </div>
9     <div class="card-body">
10       @empty($barang)
11         <div class="alert alert-danger alert-dismissible">
12           <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13           Data yang Anda cari tidak ditemukan.
14         </div>
15       @else
16         <table class="table table-bordered table-striped table-hover table-sm">
17           <tr>
18             <th>ID</th>
19             <td>{{ $barang->barang_id }}</td>
20           </tr>
21           <tr>
22             <th>Kategori Barang</th>
23             <td>{{ $barang->kategori->kategori_nama }}</td>
24           </tr>
```

Show.blade

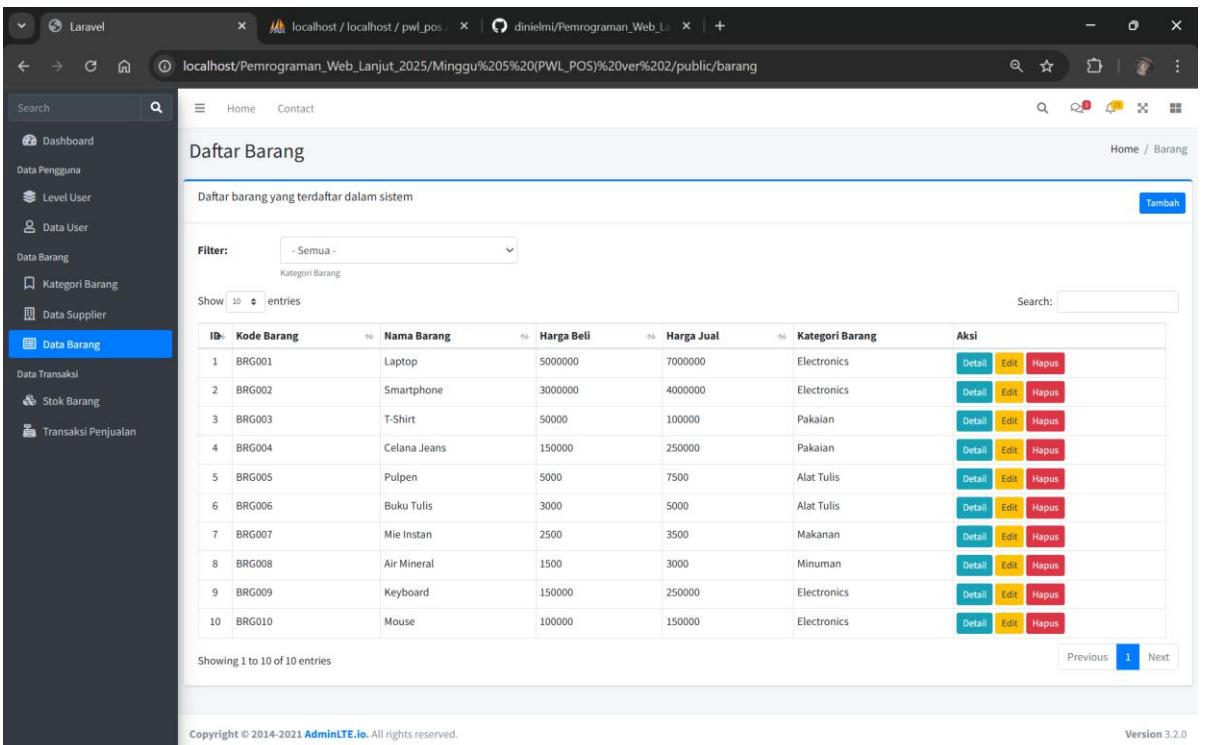
```
resources > views > barang > show.blade.php > ...
1  @extends('layouts.template')
2
3  @section('content')
4      <div class="card card-outline card-primary">
5          <div class="card-header">
6              <h3 class="card-title">{{ $page->title }}</h3>
7              <div class="card-tools"></div>
8      </div>
9      <div class="card-body">
10         @empty($barang)
11             <div class="alert alert-danger alert-dismissible">
12                 <h5><i class="icon fas fa-ban"></i> Kesalahan!</h5>
13                 Data yang Anda cari tidak ditemukan.
14             </div>
15         @else
16             <table class="table table-bordered table-striped table-hover table-sm">
17                 <tr>
18                     <th>ID</th>
19                     <td>{{ $barang->barang_id }}</td>
20                 </tr>

```

Routing

```
85
86  Route::group(['prefix' => 'barang'], function () {
87      Route::get('/',[BarangController::class, 'index']);
88      Route::post('/list',[BarangController::class, 'list']);
89      Route::get('/create',[BarangController::class, 'create']);
90      Route::post('/',[BarangController::class, 'store']);
91      Route::get('/{id}',[BarangController::class, 'show']);
92      Route::get('/{id}/edit',[BarangController::class, 'edit']);
93      Route::put('/{id}',[BarangController::class, 'update']);
94      Route::delete('/{id}',[BarangController::class, 'destroy']);
95  });
96
97 
```

➤ Halaman Browser



The screenshot shows a web browser window with the URL `localhost/Pemrograman_Web_Lanjut_2025/Minggu%205%20(PWL_POS)%20ver%202/public/barang`. The page title is "Daftar Barang". On the left, there is a sidebar menu with links like Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang, Data Supplier, and Data Barang (which is currently selected). The main content area displays a table titled "Daftar barang yang terdaftar dalam sistem". The table has columns: ID, Kode Barang, Nama Barang, Harga Beli, Harga Jual, Kategori Barang, and Aksi. The table contains 10 entries. At the bottom of the page, there is a footer with copyright information and a version number.

ID	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
1	BRG001	Laptop	5000000	7000000	Electronics	[Detail] [Edit] [Hapus]
2	BRG002	Smartphone	3000000	4000000	Electronics	[Detail] [Edit] [Hapus]
3	BRG003	T-Shirt	50000	100000	Pakaian	[Detail] [Edit] [Hapus]
4	BRG004	Celana Jeans	150000	250000	Pakaian	[Detail] [Edit] [Hapus]
5	BRG005	Pulpen	5000	7500	Alat Tulis	[Detail] [Edit] [Hapus]
6	BRG006	Buku Tulis	3000	5000	Alat Tulis	[Detail] [Edit] [Hapus]
7	BRG007	Mie Instan	2500	3500	Makanan	[Detail] [Edit] [Hapus]
8	BRG008	Air Mineral	1500	3000	Minuman	[Detail] [Edit] [Hapus]
9	BRG009	Keyboard	150000	250000	Electronics	[Detail] [Edit] [Hapus]
10	BRG010	Mouse	100000	150000	Electronics	[Detail] [Edit] [Hapus]

Showing 1 to 10 of 10 entries

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Version 3.2.0

Detail

The screenshot shows a web browser window with the URL [localhost/Pemrograman.Web_Lanjut_2025/Minggu%205%20\(PWL_POS\)%20ver%202/public/barang/1](http://localhost/Pemrograman.Web_Lanjut_2025/Minggu%205%20(PWL_POS)%20ver%202/public/barang/1). The page title is "Detail Barang". On the left, there is a dark sidebar menu with various options like Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang, Data Supplier, Data Barang (which is highlighted in blue), Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area displays a table titled "Detail barang" with the following data:

ID	1
Kategori Barang	Electronics
Kode Barang	BRG001
Nama Barang	Laptop
Harga Beli	5000000
Harga Jual	7000000

At the bottom right of the content area is a "Kembali" button. The footer of the page includes the copyright notice "Copyright © 2014-2021 AdminLTE.io. All rights reserved." and the version "Version 3.2.0".

Edit

The screenshot shows a web browser window with the URL [localhost/Pemrograman.Web_Lanjut_2025/Minggu%205%20\(PWL_POS\)%20ver%202/public/barang/1/edit](http://localhost/Pemrograman.Web_Lanjut_2025/Minggu%205%20(PWL_POS)%20ver%202/public/barang/1/edit). The page title is "Edit Barang". The sidebar menu is identical to the previous screenshot. The main content area displays a form titled "Edit barang" with the following fields:

Kategori	<input type="text" value="Electronics"/>
Kode Barang	<input type="text" value="BRG001"/>
Nama Barang	<input type="text" value="Laptop"/>
Harga Beli	<input type="text" value="7000000"/>
Harga Jual	<input type="text" value="10000000"/>

At the bottom of the form are two buttons: "Simpan" (Save) and "Kembali" (Back). The footer of the page includes the copyright notice "Copyright © 2014-2021 AdminLTE.io. All rights reserved." and the version "Version 3.2.0".

Daftar Barang

Data barang yang terdaftar dalam sistem

Data barang berhasil diubah

ID	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
1	BRG001	Laptop	7000000	10000000	Electronics	[Detail] [Edit] [Hapus]
2	BRG002	Smartphone	3000000	4000000	Electronics	[Detail] [Edit] [Hapus]
3	BRG003	T-Shirt	50000	100000	Pakaian	[Detail] [Edit] [Hapus]
4	BRG004	Celana Jeans	150000	250000	Pakaian	[Detail] [Edit] [Hapus]
5	BRG005	Pulpen	5000	7500	Alat Tulis	[Detail] [Edit] [Hapus]
6	BRG006	Buku Tulis	3000	5000	Alat Tulis	[Detail] [Edit] [Hapus]
7	BRG007	Mie Instan	2500	3500	Makanan	[Detail] [Edit] [Hapus]
8	BRG008	Air Mineral	1500	3000	Minuman	[Detail] [Edit] [Hapus]
9	BRG009	Keyboard	150000	250000	Electronics	[Detail] [Edit] [Hapus]
10	BRG010	Mouse	100000	150000	Electronics	[Detail] [Edit] [Hapus]

Showing 1 to 10 of 10 entries

*** Sekian, dan selamat belajar ***