



## **PRAKTIKUM**

Pemrograman Web Lanjut - Minggu 8

### **DISUSUN OLEH:**

NAMA : Ferdi Riansyah Ramadhani Kusuma  
NIM : 2241720264  
JURUSAN : TEKNOLOGI INFORMASI  
KELAS/ ABSEN : INFORMATIKA - 2H

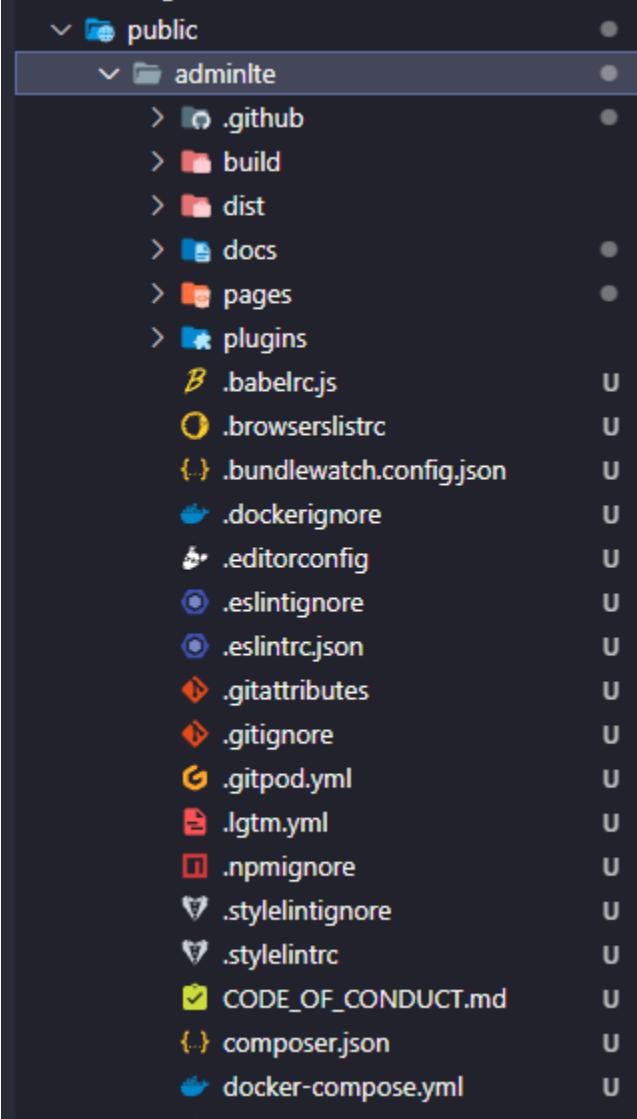
PROGAM STUDI D-IV TEKNIK INFORMATIKA

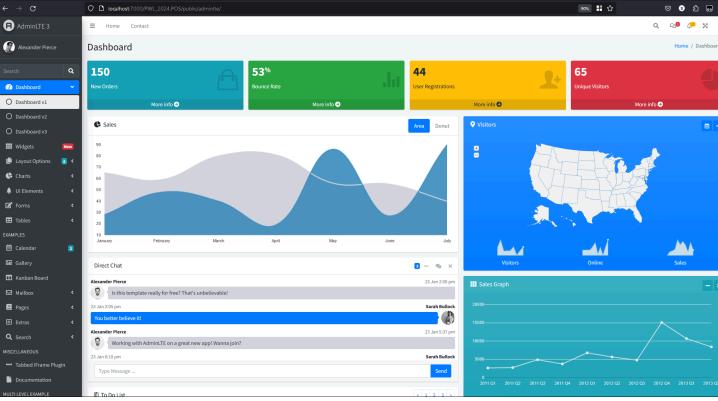
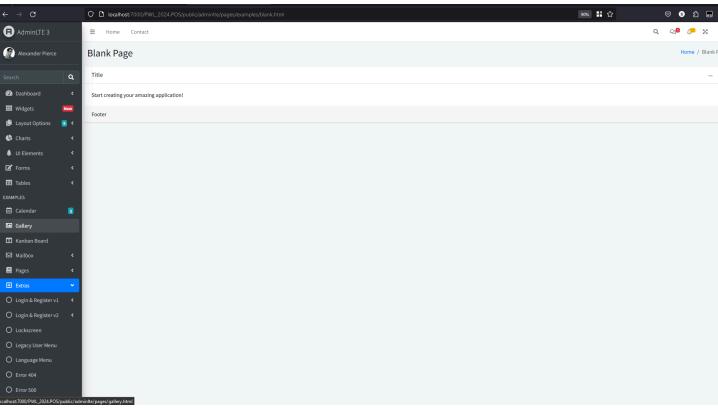
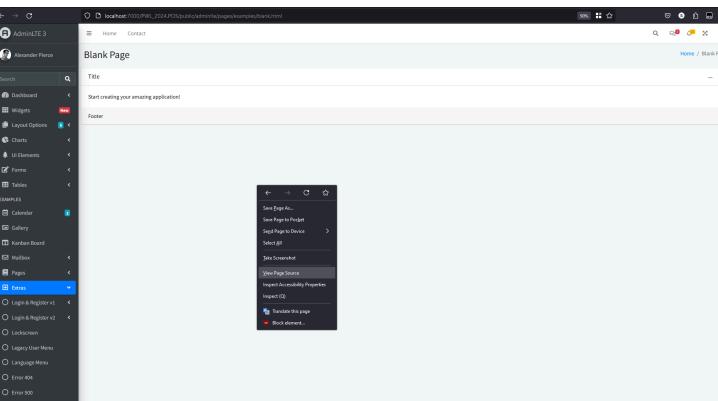
JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

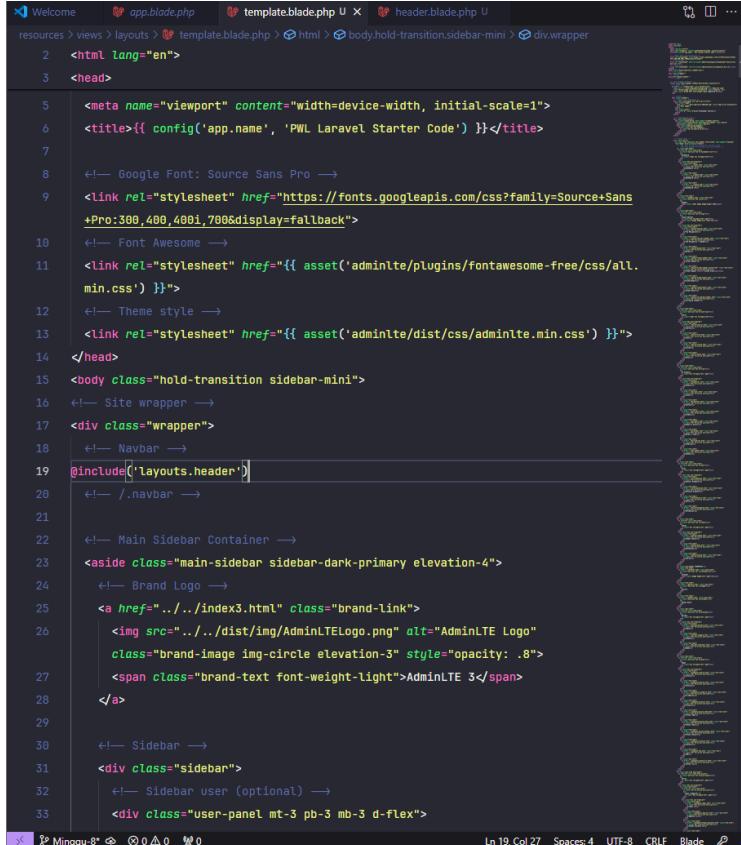
**2024**

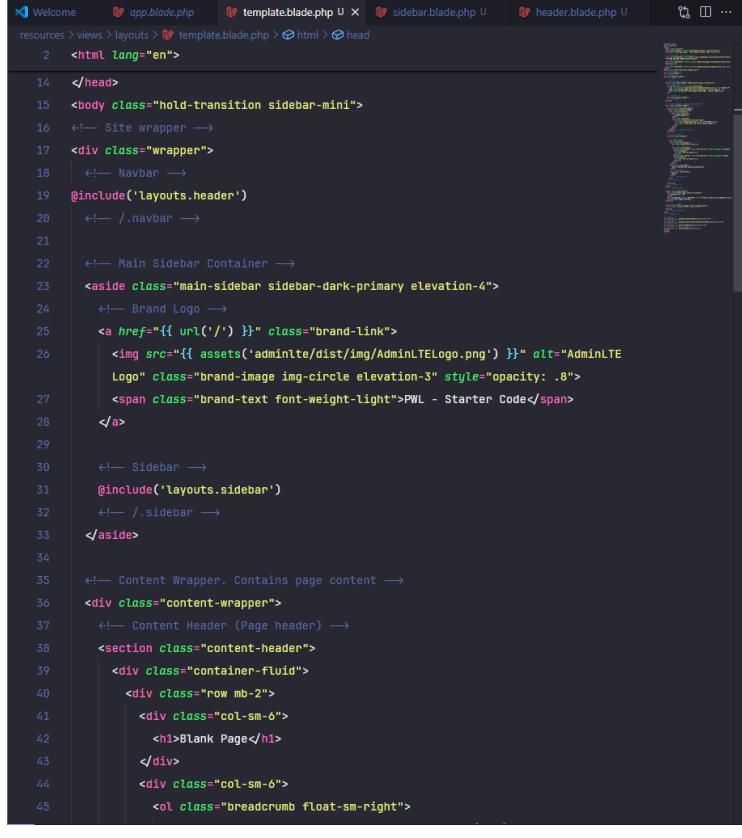
## Praktikum 1 – Layouting AdminLTE

No	Steps	Attachments
1.	Kita download AdminLTE v3.2.0 yang rilis pada 8 Feb 2022	
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	

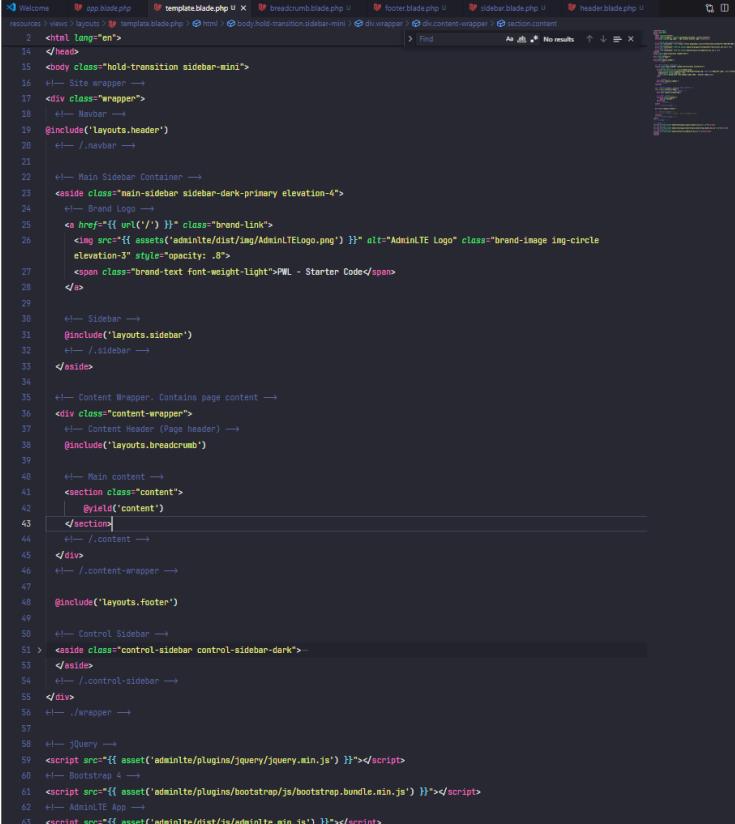
3.	<p>Selanjutnya kita buka di browser dengan alamat <a href="http://localhost/PWL_POS/public/adminlte">http://localhost/PWL_POS/public/adminlte</a> maka akan muncul tampilan seperti berikut</p>	
4.	<p>Kita klik menu Extras &gt; Blank Page, page inilah yang akan menjadi dasar web template</p>	
5.	<p>Dari sini kita bisa melakukan layouting halaman Blank Page ini menjadi 4 element seperti pada gambar berikut</p>	
6.	<p>Selanjutnya kita klik kanan halaman Blank Page dan klik view page source</p>	



10.	<p>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</p> <p>Baris 19 adalah komponen Blade untuk memanggil elemen layouts/header.blade.php agar menjadi satu dengan template.blade.php saat di-render nanti.</p>	 <pre> 1 Welcome   app.blade.php   template.blade.php U X   header.blade.php U ... resources &gt; views &gt; layouts &gt; template.blade.php &gt; html &gt; body.hold-transition.sidebar-mini &gt; div.wrapper 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4 5   &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt; 6   &lt;title&gt;{{ config('app.name', 'PWL Laravel Starter Code') }}&lt;/title&gt; 7 8   &lt;!-- Google Font: Source Sans Pro --&gt; 9   &lt;link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans +Pro:300,400,400i,700&amp;display=fallback"&gt; 10  &lt;!-- Font Awesome --&gt; 11  &lt;link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all. min.css') }}&gt; 12  &lt;!-- Theme style --&gt; 13  &lt;link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}&gt; 14 &lt;/head&gt; 15 &lt;body class="hold-transition sidebar-mini"&gt; 16 &lt;!-- Site wrapper --&gt; 17 &lt;div class="wrapper"&gt; 18   &lt;!-- Navbar --&gt; 19   @include('layouts.header') 20   &lt;!-- /.navbar --&gt; 21 22   &lt;!-- Main Sidebar Container --&gt; 23   &lt;aside class="main-sidebar sidebar-dark-primary elevation-4"&gt; 24     &lt;!-- Brand Logo --&gt; 25     &lt;a href="../../index3.html" class="brand-link"&gt; 26       &lt;img src="../../dist/img/AdminLTELogo.png" alt="AdminLTE Logo" 27       class="brand-image img-circle elevation-3" style="opacity: .8"&gt; 28       &lt;span class="brand-text font-weight-light"&gt;AdminLTE 3&lt;/span&gt; 29     &lt;/a&gt; 30 31     &lt;!-- Sidebar --&gt; 32     &lt;div class="sidebar"&gt; 33       &lt;!-- Sidebar user (optional) --&gt; 34       &lt;div class="user-panel mt-3 pb-3 mb-3 d-flex"&gt; </pre> <p>Minggu-8* ⌂ 0 △ 0 ⌂ 0 Ln 19, Col 27 Spaces: 4 UTF-8 CRLF Blade ⌂</p>
11.	Kita modifikasi baris 25 dan 26 pada template.blade.php	 <pre> &lt;!-- Main Sidebar Container --&gt; &lt;aside class="main-sidebar sidebar-dark-primary elevation-4"&gt;   &lt;!-- Brand Logo --&gt;   &lt;a href="{{ url('/') }}" class="brand-link"&gt;     &lt;img src="{{ assets('adminlte/dist/img/AdminLTELogo.png') }}" alt="AdminLTE Logo"     class="brand-image img-circle elevation-3" style="opacity: .8"&gt;     &lt;span class="brand-text font-weight-light"&gt;PWL - Starter Code&lt;/span&gt;   &lt;/a&gt; </pre>

12.	<p>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</p>	 <pre> 2  &lt;html lang="en"&gt; 3 4  &lt;/head&gt; 5  &lt;body class="hold-transition sidebar-mini"&gt; 6  &lt;!-- Site wrapper --&gt; 7  &lt;div class="wrapper"&gt; 8      &lt;!-- Navbar --&gt; 9      @include('layouts.header') 10     &lt;!-- /.navban --&gt; 11 12     &lt;!-- Main Sidebar Container --&gt; 13     &lt;aside class="main-sidebar sidebar-dark-primary elevation-4"&gt; 14         &lt;!-- Brand Logo --&gt; 15         &lt;a href="{{ url('/') }}" class="brand-link"&gt; 16             &lt;img src="{{ assets('adminlte/dist/img/AdminLTELogo.png') }}" alt="AdminLTE Logo" class="brand-image img-circle elevation-3" style="opacity: .8"&gt; 17             &lt;span class="brand-text font-weight-light"&gt;PWL - Starter Code&lt;/span&gt; 18         &lt;/a&gt; 19 20         &lt;!-- Sidebar --&gt; 21         @include('layouts.sidebar') 22         &lt;!-- /.sidebar --&gt; 23     &lt;/aside&gt; 24 25     &lt;!-- Content Wrapper. Contains page content --&gt; 26     &lt;div class="content-wrapper"&gt; 27         &lt;!-- Content Header (Page header) --&gt; 28         &lt;section class="content-header"&gt; 29             &lt;div class="container-fluid"&gt; 30                 &lt;div class="row mb-2"&gt; 31                     &lt;div class="col-sm-6"&gt; 32                         &lt;h1&gt;Blank Page&lt;/h1&gt; 33                     &lt;/div&gt; 34                     &lt;div class="col-sm-6"&gt; 35                         &lt;ol class="breadcrumb float-sm-right"&gt; 36                             &lt;li class="breadcrumb-item"&gt;Home&lt;/li&gt; 37                             &lt;li class="breadcrumb-item active"&gt;Blank Page&lt;/li&gt; 38                         &lt;/ol&gt; 39                     &lt;/div&gt; 40                 &lt;/div&gt; 41             &lt;/div&gt; 42         &lt;/section&gt; 43 44         &lt;div class="content"&gt; 45             &lt;div class="row"&gt; </pre>
13.	<p>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</p>	<pre> 84     &lt;/div&gt; 85     &lt;!-- /.content-wrapper --&gt; 86 87     @include('layouts.footer') 88 89     &lt;!-- Control Sidebar --&gt; 90     &lt;aside class="control-sidebar control-sidebar-dark"&gt; </pre>

14.	<p>Kemudian kita modifikasi file template.blade.php baris 91-100</p>	<pre> &lt;!-- jquery --&gt; &lt;script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}"&gt;&lt;/script&gt; &lt;!-- Bootstrap 4 --&gt; &lt;script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"&gt;&lt;/script&gt; &lt;!-- AdminLTE App --&gt; &lt;script src="{{ asset('adminlte/dist/js/adminlte.min.js') }}"&gt;&lt;/script&gt; &lt;/body&gt; &lt;/html&gt; </pre>
15.	<p>Sekarang masuk pada bagian konten. Konten kita bagi menjadi 2, yaitu elemen untuk breadcrumb dan elemen untuk content.</p>	
16.	<p>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</p>	<pre> 35     &lt;!-- Content Wrapper. Contains page content --&gt; 36     &lt;div class="content-wrapper"&gt; 37       &lt;!-- Content Header (Page header) --&gt; 38       @include('layouts.breadcrumb') 39   40       &lt;!-- Main content --&gt; 41       &lt;section class="content"&gt; 42   </pre>
17.	<p>Layout terakhir adalah pada bagian konten. Layout untuk</p>	

	<p>konten bisa kita buat dinamis,</p> <p>sesuai dengan apa yang ingin kita sajikan pada web yang kita bangun.</p>	
18.	<p>Untuk content, kita akan menghapus baris 42-66 pada file template.blade.php. dan kita</p> <p>ganti dengan kode seperti ini @yield('content')</p>	
19.	<p>Hasil akhir pada file utama layouts/template.blade.php adalah seperti berikut</p>  <pre> 1 Welcome   app.blade.php   template.blade.php x breadcrumb.blade.php x footer.blade.php x sidebar.blade.php x header.blade.php resources \ views \ layouts &gt; template.blade.php 2 &lt;html lang="en"&gt; 3   &lt;head&gt; 4     &lt;body class="hold-transition sidebar-mini"&gt; 5       &lt;!-- Site wrapper --&gt; 6       &lt;div class="wrapper"&gt; 7         &lt;!-- Navbar --&gt; 8         @include('layouts.header') 9         &lt;!-- /.navbar --&gt; 10 11        &lt;!-- Main Sidebar Container --&gt; 12        &lt;aside class="main-sidebar sidebar-dark-primary elevation-4"&gt; 13          &lt;!-- Brand Logo --&gt; 14          &lt;a href="{{ url('/') }}" class="brand-link"&gt; 15            &lt;img alt="{{ asset('adminlte/dist/img/AdminLTELogo.png') }}" alt="AdminLTE Logo" class="brand-image img-circle elevation-3" style="opacity: .8;"&gt; 16            &lt;span class="brand-text font-weight-light"&gt;PWL - Starter Page&lt;/span&gt; 17        &lt;/a&gt; 18 19        &lt;!-- Sidebar --&gt; 20        @include('layouts.sidebar') 21        &lt;!-- /.sidebar --&gt; 22      &lt;/aside&gt; 23 24      &lt;!-- Content Wrapper. Contains page content --&gt; 25      &lt;div class="content-wrapper"&gt; 26        &lt;!-- Content Header (Page header) --&gt; 27        @include('layouts.breadcrumb') 28 29        &lt;!-- Main content --&gt; 30        &lt;section class="content"&gt; 31          @yield('content') 32        &lt;/section&gt; 33      &lt;/div&gt; 34 35      &lt;!-- Control Sidebar --&gt; 36      &lt;aside class="control-sidebar control-sidebar-dark"&gt; 37        &lt;!-- /.control-sidebar --&gt; 38      &lt;/aside&gt; 39 40      &lt;!-- jQuery --&gt; 41      &lt;script src="{{ asset('adminlte/plugins/jquery/jquery.min.js') }}&gt;&lt;/script&gt; 42 43      &lt;!-- Bootstrap 4 --&gt; 44      &lt;script src="{{ asset('adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}&gt;&lt;/script&gt; 45 46      &lt;!-- AdminLTE App --&gt; 47      &lt;script src="{{ asset('adminlte/dist/js/adminlte.min.js') }}&gt;&lt;/script&gt; 48 49    &lt;/body&gt; 50  &lt;/html&gt; </pre>	
20.	<p>Selamat kalian sudah selesai dalam melakukan layouting</p>	

	website di laravel.	
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## Praktikum 2 – Penerapan Layouting

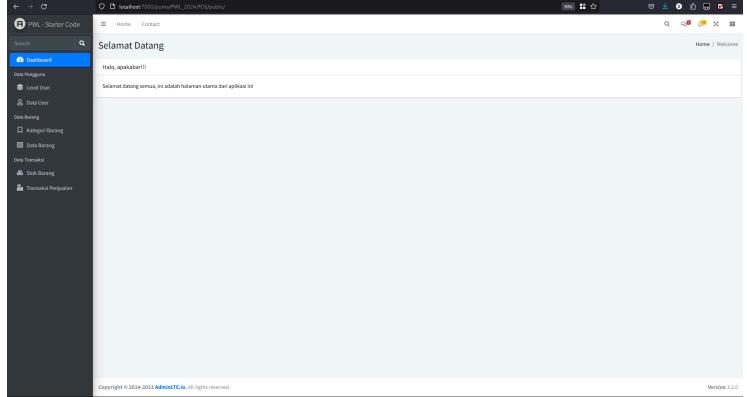
1. Kita buat file controller dengan nama WelcomeController.php

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

2. Kita buat file pada PWL\_POS/resources/views/welcome.blade.php

```
 1  @extends('layouts.template')
 2
 3  @section('content')
 4
 5  <div class="card">
 6      <div class="card-header">
 7          <h3 class="card-title">Halo, apakah??!!</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
15
```

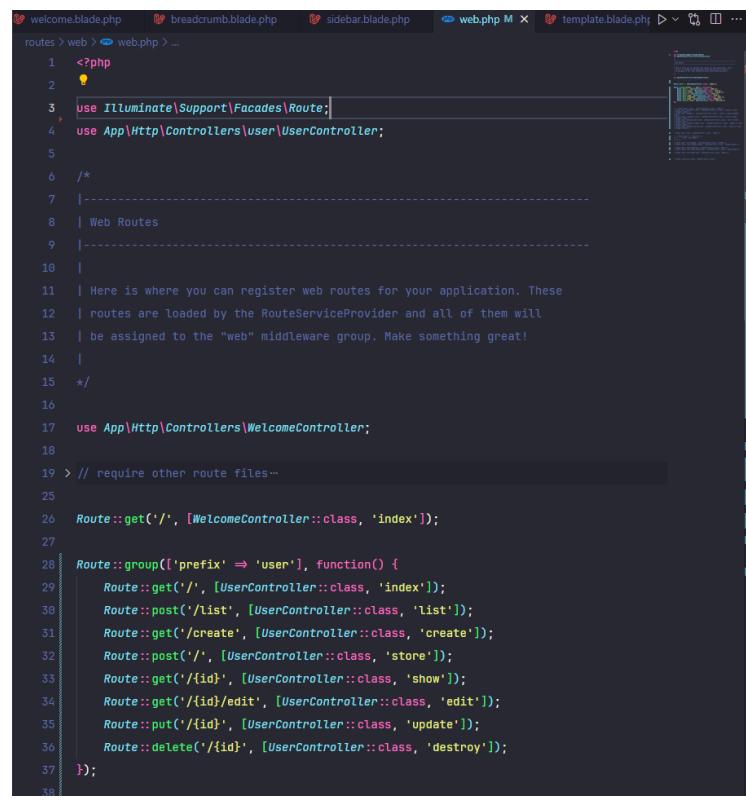
3.	Kita modifikasi file PWL_POS/resources/views/layouts/breadcrumb.blade.php	<pre><code> breadcrumb.blade.php M x resources &gt; views &gt; layouts &gt; breadcrumb.blade.php &gt; section.content-header 1  &lt;section class="content-header"&gt; 2   &lt;div class="container-fluid"&gt; 3     &lt;div class="row mb-2"&gt; 4       &lt;div class="col-sm-6"&gt; 5         &lt;h1&gt;{{ \$breadcrumb-&gt;title }}&lt;/h1&gt; 6       &lt;/div&gt; 7       &lt;div class="col-sm-6"&gt; 8         &lt;ol class="breadcrumb float-sm-right"&gt; 9           @foreach (\$breadcrumb-&gt;list as \$key =&gt; \$value) 10             @if (\$key == (count(\$breadcrumb-&gt;list) - 1)) 11               &lt;li class="breadcrumb-item active"&gt;{{ \$value }}&lt;/li&gt; 12             @else 13               &lt;li class="breadcrumb-item"&gt;{{ \$value }}&lt;/li&gt; 14             @endif 15           @endforeach 16         &lt;/ol&gt; 17       &lt;/div&gt; 18     &lt;/div&gt; 19   &lt;/div&gt; 20 &lt;/section&gt;</code></pre>
4.	Kita modifikasi file PWL_POS/resources/views/layouts/sidebar.blade.php	<pre><code> sidebar.blade.php M x resources &gt; views &gt; layouts &gt; sidebar.blade.php &gt; sidebar &gt; nav.mt-2 &gt; ul.nav.nav-pills.nav-sidebar.flex-column &gt; li.nav-item &gt; a.nav-link{{{ \$activeMenu == level ? active : '' }}} 1 &lt;div class="sidebar"&gt; 2   &lt;!-- Sidebar Search Form --&gt; 3   &lt;div class="form-inline mt-2"&gt; 4     &lt;div class="input-group" data-widget="sidebar-search"&gt; 5       &lt;input class="form-control form-control-sidebar" type="search" placeholder="Search" aria-label="Search"&gt; 6       &lt;div class="input-group-append"&gt; 7         &lt;button class="btn btn-sidebar"&gt; 8           &lt;i class="fas fa-search fa-fw"&gt;&lt;/i&gt; 9         &lt;/button&gt; 10      &lt;/div&gt; 11    &lt;/div&gt; 12  &lt;/div&gt; 13  &lt;!-- Sidebar Menu --&gt; 14  &lt;nav class="mt-2"&gt; 15    &lt;ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false"&gt; 16      &lt;li class="nav-item"&gt; 17        &lt;a href="{{ url('/') }}" class="nav-link" {{ (\$activeMenu == 'dashboard') ? 'active' : '' }}&gt; 18          &lt;i class="nav-icon fas fa-tachometer-alt"&gt;&lt;/i&gt; 19          &lt;p&gt;Dashboard&lt;/p&gt; 20        &lt;/a&gt; 21      &lt;/li&gt; 22      &lt;li class="nav-header"&gt;Data Pengguna&lt;/li&gt; 23      &lt;li class="nav-item"&gt; 24        &lt;a href="{{ url('/level') }}" class="nav-link" {{ (\$activeMenu == 'level') ? 'active' : '' }}&gt; 25          &lt;i class="nav-icon fas fa-layer-group"&gt;&lt;/i&gt; 26          &lt;p&gt;Level User&lt;/p&gt; 27        &lt;/a&gt; 28      &lt;/li&gt; 29      &lt;li class="nav-item"&gt; 30        &lt;a href="{{ url('/user') }}" class="nav-link" {{ (\$activeMenu == 'user') ? 'active' : '' }}&gt; 31          &lt;i class="nav-icon far fa-user"&gt;&lt;/i&gt; 32          &lt;p&gt;Data User&lt;/p&gt; 33        &lt;/a&gt; 34      &lt;/li&gt; 35      &lt;li class="nav-item"&gt; 36        &lt;a href="{{ url('/barang') }}" class="nav-link" {{ (\$activeMenu == 'barang') ? 'active' : '' }}&gt; 37          &lt;i class="nav-icon far fa-bookmark"&gt;&lt;/i&gt; 38        &lt;/a&gt; 39      &lt;/li&gt; 40      &lt;li class="nav-header"&gt;Data Kategori&lt;/li&gt; 41      &lt;li class="nav-item"&gt; 42        &lt;a href="{{ url('/kategori') }}" class="nav-link" {{ (\$activeMenu == 'kategori') ? 'active' : '' }}&gt; 43          &lt;i class="nav-icon far fa-bookmark"&gt;&lt;/i&gt; 44        &lt;/a&gt; 45      &lt;/li&gt; 46    &lt;/ul&gt; 47  &lt;/nav&gt; 48 &lt;/div&gt;</code></pre>
5.	Kita tambahkan kode berikut router web.php	<pre><code>Route::get('/', [WelcomeController::class, 'index']);</code></pre>

6.	<p>Sekarang kita coba jalankan di browser dengan mengetikkan url <a href="http://localhost/PWL_POS/public">http://localhost/PWL_POS/public</a></p>	
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### Praktikum 3 – Implementasi jQuery Datatable di AdminLTE

No	Steps	Attachments
1.	Kita modifikasi proses CRUD pada tabel m_user pada praktikum ini	
2.	Kita gunakan library Yajra-datatable dengan mengetikkan perintah pada CMD composer require yajra/laravel-datables:^10.0 atau composer require yajra/laravel-datables-oracle	

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



The screenshot shows a code editor with the file 'routes/web.php' open. The code defines routes for a 'user' controller, specifically for CRUD operations. The routes include GET and POST methods for index, list, create, store, show, edit, update, and destroy actions. The code also includes imports for the Illuminate\Support\Facades\Route facade and the App\Http\Controllers\User\ UserController class.

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\User\ UserController;
5
6 /*
7 |-----
8 | Web Routes
9 |-----
10 |
11 | Here is where you can register web routes for your application. These
12 | routes are loaded by the RouteServiceProvider and all of them will
13 | be assigned to the "web" middleware group. Make something great!
14 |
15 */
16
17 use App\Http\Controllers\WelcomeController;
18
19 > // require other route files...
20
21
22 Route::get('/', [WelcomeController::class, 'index']);
23
24
25 Route::group(['prefix' => 'user'], function() {
26     Route::get('/', [UserController::class, 'index']);
27     Route::post('/list', [UserController::class, 'list']);
28     Route::get('/create', [UserController::class, 'create']);
29     Route::post('/', [UserController::class, 'store']);
30     Route::get('{id}', [UserController::class, 'show']);
31     Route::get('{id}/edit', [UserController::class, 'edit']);
32     Route::put('{id}', [UserController::class, 'update']);
33     Route::delete('{id}', [UserController::class, 'destroy']);
34 });
35
36
37 });
38
```

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



```
<?php  
namespace App\Http\Controllers;  
  
use App\Models\LevelModel;  
  
class UserController extends Controller  
{  
    public function index()  
    {  
        $breadcrumb = (object) [  
            'title' => 'Daftar User',  
            'list' => ['home', 'User']  
        ];  
  
        $page = (object) [  
            'title' => 'Daftar user yang terdaftar dalam sistem'  
        ];  
  
        $activeMenu = 'user';  
  
        $level = LevelModel::all();  
  
        return view('user.index', compact('breadcrumb', 'page', 'activeMenu',  
            'level'));  
    }  
}
```

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

```

web.php M UserController.php.old U UserController.php M index.blade.php X template.blade.php
resources > views > user > index.blade.php > div.card.card-outline.card-primary > div.card-header > div.card-tools > a.btn.btn-sm.btn-primary
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">{{ $page->title }}</h3>
7             <div class="card-tools">
8                 <a class="btn btn-sm btn-primary mt-1" href="{{ url('user/create') }}">Tambah</a>
9             </div>
10        </div>
11        <div class="card-body">
12            @if (session('success'))
13                <div class="alert alert-success">{{ session('success') }}</div>
14            @endif
15            @if (session('error'))
16                <div class="alert alert-danger">{{ session('error') }}</div>
17            @endif
18            <div class="row">
19                <div class="col-md-12">
20                    <div class="form-group row">
21                        <label class="col-1 control-label col-form-label">Filter : </label>
22                        <div class="col-3">
23                            <select name="level_id" id="level_id" class="form-control" required>
24                                <option value=""> Semua </option>
25                                @foreach ($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>
33            </div>
34        </div>
35    </div>
36
```

6.	<p>Kemudian kita modifikasi file template.blade.php untuk menambahkan library jquery datatables dari template AdminLTE yang kita download dan berada di folder public</p> <pre data-bbox="693 221 1428 1047">&lt;!DOCTYPE html&gt; &lt;html lang="en"&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;{{ config('app.name', 'PWL Laravel Starter Code') }}&lt;/title&gt;      &lt;meta name="csrf-token" content="{{ csrf_token() }}&gt;      &lt;!-- Google Font: Source Sans Pro --&gt;     &lt;link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans     *Pro:300,400,400i,700&amp;display=fallback"&gt;     &lt;!-- Font Awesome --&gt;     &lt;link rel="stylesheet" href="{{ asset('adminlte/plugins/fontawesome-free/css/all.     min.css') }}&gt;     &lt;!-- Theme style --&gt;     &lt;link rel="stylesheet" href="{{ asset('adminlte/dist/css/adminlte.min.css') }}&gt;     &lt;!-- DataTables --&gt;     &lt;link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-bs4/css/     dataTables.bootstrap4.min.css') }}&gt;     &lt;link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-responsive/css/     responsive.bootstrap4.min.css') }}&gt;     &lt;link rel="stylesheet" href="{{ asset('adminlte/plugins/datatables-buttons/css/     buttons.bootstrap4.min.css') }}&gt;      @stack('css') &lt;/head&gt;  &lt;body class="hold-transition sidebar-mini"&gt;     &lt;!-- Site wrapper --&gt;     &lt;div class="wrapper"&gt;         &lt;!-- Navbar --&gt;         @include('layouts.header')</pre>
7.	<p>Untuk bisa menangkap request data untuk datatable, kita buat fungsi list() pada UserController.php seperti berikut</p> <pre data-bbox="693 1066 1428 1809">public function list(Request \$request) {     \$users = UserModel::select(['user_id', 'username', 'nama', 'level_id'])-&gt;with     ('level');      if (\$request-&gt;level_id) {         \$users-&gt;where('level_id', \$request-&gt;level_id);     }      return DataTables::of(\$users)         -&gt;addIndexColumn()         -&gt;addColumn('aksi', function (\$user) {             \$btn = '&lt;a href="'.url('/user/' . \$user-&gt;user_id).'" class="btn             btn-info btn-sm"&gt;Detail&lt;/a&gt;';             \$btn .= '&lt;a href="'.url('/user/' . \$user-&gt;user_id . '/edit').'"'             class="btn btn-warning btn-sm"&gt;Edit&lt;/a&gt;';             \$btn .= '&lt;form class="d-inline-block" method="POST" action="'.url('/             user/' . \$user-&gt;user_id).'"&gt;                 . csrf_field()                 . method_field('DELETE')                 . '&lt;button type="submit" class="btn btn-danger btn-sm                 onclick="return confirm(`Apakah Anda yakin menghapus data ini?                 `);"&gt;Hapus&lt;/button&gt;'                 . '&lt;/form&gt;';             return \$btn;         })         -&gt;rawColumns(['aksi'])         -&gt;make(true); }</pre>

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

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]
2	manager	Manager	Manager	[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	manager22	Manager Dua Dua	Manager	[Detail] [Edit] [Hapus]
7	manager33	Manager Tiga Tiga	Manager	[Detail] [Edit] [Hapus]
8	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]
9	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]
10	test	test	Administrator	[Detail] [Edit] [Hapus]

Showing 1 to 10 of 10 entries

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Method list dalam class UserController digunakan untuk menghandle list tampilan data user menggunakan data table.

9. Selanjutnya kita modifikasi UserController.php untuk form tambah data user

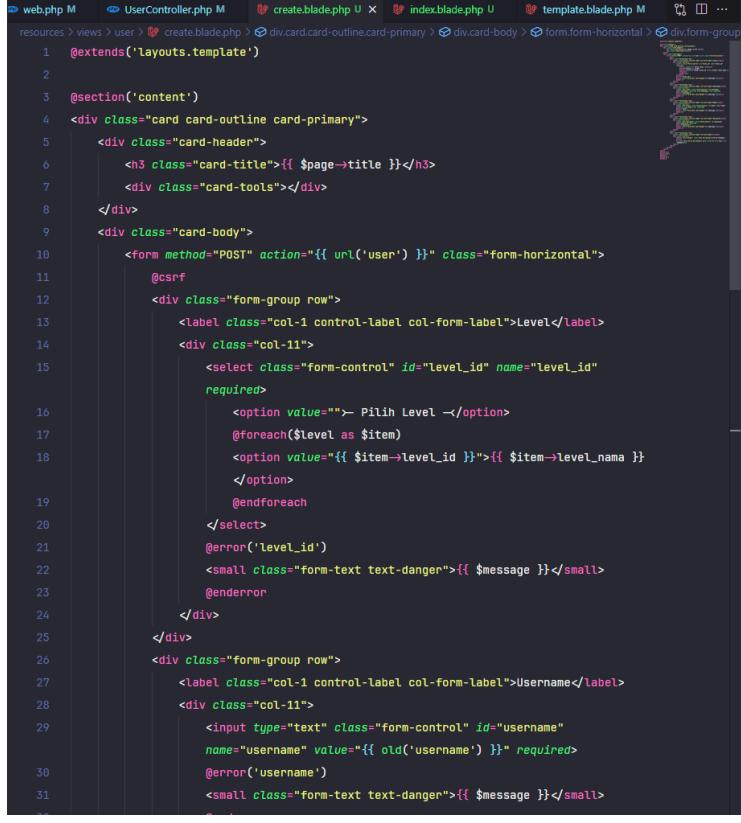
```
1 reference | 0 overrides

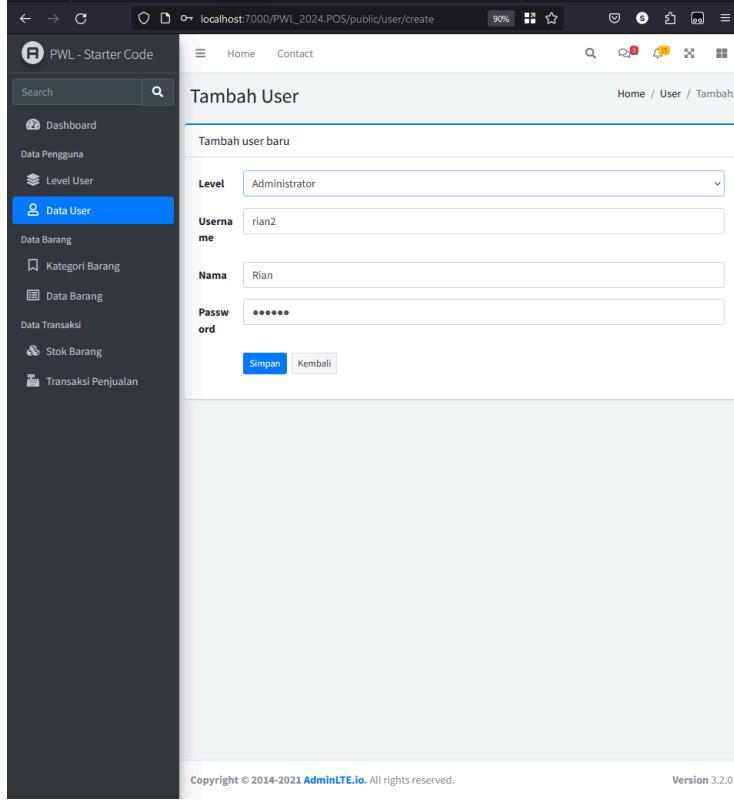
public function create()
{
    $breadcrumb = (object) [
        'title' => 'Tambah User',
        'list' => ['Home', 'User', 'Tambah']
    ];

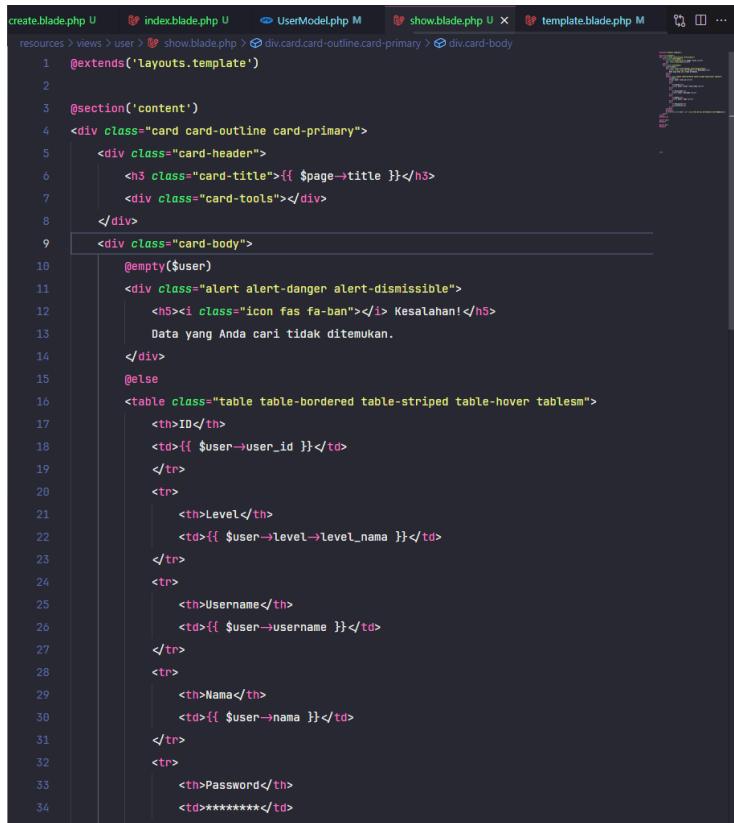
    $page = (object) [
        'title' => 'Tambah user baru'
    ];

    $level = LevelModel::all();
    $activeMenu = 'user';

    return view('user.create', compact
        ('breadcrumb', 'page', 'level',
        'activeMenu'));
}
```

10.	<p>Sekarang kita buat form untuk menambah data, kita buat file PWL_POS/resources/views/user/create.blade.php</p>	 <pre> 1 &lt;@extends('layouts.template') 2 3 &lt;@section('content') 4 &lt;div class="card card-outline card-primary"&gt; 5   &lt;div class="card-header"&gt; 6     &lt;h3 class="card-title"&gt;{{ \$page-&gt;title }} 7     &lt;div class="card-tools"&gt;</pre>
-----	--	--

	<p>12. Sekarang coba kalian buka form tambah data user dengan klik tombol tambah. Amati dan pelajari..!!!</p>	 <p>Setelah menekan tombol tambah maka akan diarahkan menuju halaman tambah user, user dapat ditambahkan menggunakan tombol Simpan.</p>
13.	<p>Selanjutnya, kita masuk pada bagian menampilkan detail data user (klik tombol ) pada halaman user. Route yang bertugas untuk menangkap request detail adalah</p>	

14.	<p>Jadi kita buat/modifikasi fungsi show() pada UserController.php seperti berikut</p>	<pre>public function show(string \$id) {     \$user = UserModel::with('level')-&gt;find(\$id);      \$breadcrumb = (object) [         'title' =&gt; 'Detail User',         'list' =&gt; ['Home', 'User', 'Detail']     ];      \$page = (object) [         'title' =&gt; 'Detail user'     ];      \$activeMenu = 'user';      return view('user.show', compact('breadcrumb', 'page', 'user', 'activeMenu')); }</pre>
15.	<p>Kemudian kita buat view di PWL_POS/resources/views/user/show.blade.php</p>	 <pre>create.blade.php U index.blade.php U UserModel.php M show.blade.php X template.blade.php M resources &gt; views &gt; user &gt; show.blade.php &gt; div.card.card-outline.card-primary &gt; div.card-body 1 @extends('layouts.template') 2 3 @section('content') 4 &lt;div class="card card-outline card-primary"&gt; 5     &lt;div class="card-header"&gt; 6         &lt;h3 class="card-title"&gt;{{ \$page-&gt;title }}&lt;/h3&gt; 7         &lt;div class="card-tools"&gt;&lt;/div&gt; 8     &lt;/div&gt; 9     &lt;div class="card-body"&gt; 10        @empty(\$user) 11            &lt;div class="alert alert-danger alert-dismissible"&gt; 12                &lt;h5&gt;&lt;i class="icon fas fa-ban"&gt;&lt;/i&gt; Kesalahan!&lt;/h5&gt; 13                Data yang Anda cari tidak ditemukan. 14            &lt;/div&gt; 15        @else 16            &lt;table class="table table-bordered table-striped table-hover tablesm"&gt; 17                &lt;thead&gt; 18                    &lt;tr&gt; 19                        &lt;th&gt;ID&lt;/th&gt; 20                        &lt;td&gt;{{ \$user-&gt;user_id }}&lt;/td&gt; 21                    &lt;/tr&gt; 22                &lt;tbody&gt; 23                    &lt;tr&gt; 24                        &lt;th&gt;Level&lt;/th&gt; 25                        &lt;td&gt;{{ \$user-&gt;level-&gt;level_nama }}&lt;/td&gt; 26                    &lt;/tr&gt; 27                    &lt;tr&gt; 28                        &lt;th&gt;Username&lt;/th&gt; 29                        &lt;td&gt;{{ \$user-&gt;username }}&lt;/td&gt; 30                    &lt;/tr&gt; 31                    &lt;tr&gt; 32                        &lt;th&gt;&gt;Nama&lt;/th&gt; 33                        &lt;td&gt;{{ \$user-&gt;nama }}&lt;/td&gt; 34                    &lt;/tr&gt; 35                    &lt;tr&gt; 36                        &lt;th&gt;&gt;Password&lt;/th&gt; 37                        &lt;td&gt;*****&lt;/td&gt; 38                    &lt;/tr&gt; 39                &lt;/tbody&gt; 40            &lt;/table&gt; 41        &lt;/div&gt; 42    &lt;/div&gt; 43&lt;/div&gt;</pre>
16.	<p>Sekarang kalian coba untuk melihat detail data user di browser, dan coba untuk mengetikkan id yang salah contoh  <a href="http://localhost/PWL_POS/public">http://localhost/PWL_POS/public</a></p>	Id Benar

lic/user/100 amati

apa yang terjadi, dan  
laporkan!!!

The screenshot shows a web application interface titled "PWL - Starter Code". The left sidebar contains navigation links: Dashboard, Data Pengguna, Level User, Data User (which is highlighted in blue), Data Barang, Kategori Barang, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area is titled "Detail User" and displays the following information:

Detail user	
ID	1
Level	Administrator
Username	admin
Nama	Administrator
Password	*****

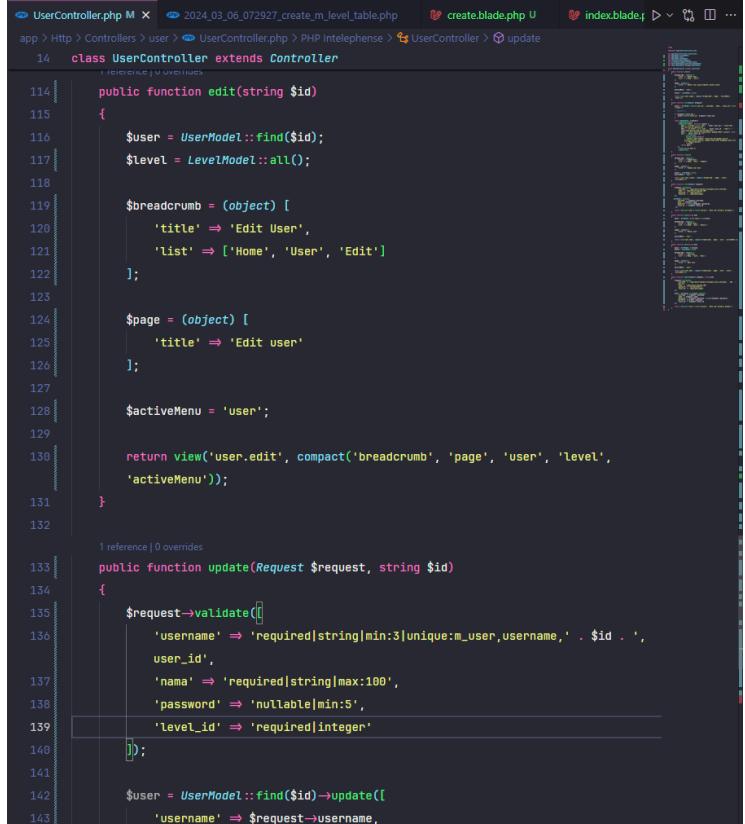
A "Kembali" button is located at the bottom left of the content area.

Id Salah

The screenshot shows a web application interface titled "PWL - Starter Code". The left sidebar contains navigation links: Dashboard, Data Pengguna, Level User, Data User (highlighted in blue), Data Barang, Kategori Barang, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area is titled "Detail User" and displays an error message in a red box:

**Kesalahan!**  
Data yang Anda cari tidak ditemukan.

A "Kembali" button is located at the bottom left of the content area.

17.	<p>Selanjutnya, kita masuk pada bagian untuk memodifikasi data user. Route yang bertugas untuk menangkap request edit adalah</p>	
18.	<p>Jadi kita buat fungsi edit() dan update() pada UserController.php</p>	 <pre> 14  class UserController extends Controller 15  { 16      public function edit(string \$id) 17      { 18          \$user = UserModel::find(\$id); 19          \$level = LevelModel::all(); 20 21          \$breadcrumb = (object) [ 22              'title' =&gt; 'Edit User', 23              'list' =&gt; ['Home', 'User', 'Edit'] 24          ]; 25 26          \$page = (object) [ 27              'title' =&gt; 'Edit user' 28          ]; 29 30          \$activeMenu = 'user'; 31 32          return view('user.edit', compact('breadcrumb', 'page', 'user', 'level', 33              'activeMenu')); 34      } 35 36      public function update(Request \$request, string \$id) 37      { 38          \$request-&gt;validate([ 39              'username' =&gt; 'required string min:3 unique:m_user,username,' . \$id . ', 40              'user_id', 41              'nama' =&gt; 'required string max:100', 42              'password' =&gt; 'nullable min:5', 43              'level_id' =&gt; 'required integer' 44          ]); 45 46          \$user = UserModel::find(\$id)-&gt;update([ 47              'username' =&gt; \$request-&gt;username, 48          ]); 49      } 50  } </pre>

19.	<p>Selanjutnya, kita buat view untuk melakukan proses edit data user di</p> <p>PWL_POS/resources/views/user/edit.blade.php</p>	<pre>UserController.php M edit.blade.php U 2024-03-06_072927_create_m_level_table.php create.blade.php U resources &gt; views &gt; user &gt; edit.blade.php &gt; div.card.card-outline.card-primary &gt; div.card-body &gt; div.alert.alert-dismissible 1 @extends('layouts.template') 2 3 @section('content') 4 &lt;div class="card card-outline card-primary"&gt; 5   &lt;div class="card-header"&gt; 6     &lt;h3 class="card-title"&gt;{{ \$page-&gt;title }}&lt;/h3&gt; 7     &lt;div class="card-tools"&gt;&lt;/div&gt; 8   &lt;/div&gt; 9   &lt;div class="card-body"&gt; 10    @empty(\$user) 11      &lt;div class="alert alert-danger alert-dismissible"&gt; 12        &lt;h5&gt;&lt;i class="icon fas fa-ban"&gt;&lt;/i&gt; Kesalahan!&lt;/h5&gt; 13        Data yang Anda cari tidak ditemukan. 14      &lt;/div&gt; 15      &lt;a href="{{ url('user') }}" class="btn btn-sm btn-default mt2"&gt;Kembali&lt;/a&gt; 16    @else 17      &lt;form method="POST" action="{{ url('/user/'.\$user-&gt;user_id) }}" 18        class="form-horizontal"&gt; 19        @csrf 20        {!! method_field("PUT") !!}&lt;!-- tambahkan baris ini untuk proses edit 21        yang butuh method PUT --&gt; 22        &lt;div class="form-group row"&gt; 23          &lt;label class="col-1 control-label col-form-label"&gt;Level&lt;/label&gt; 24          &lt;div class="col-11"&gt; 25            &lt;select class="form-control" id="level_id" name="level_id" 26              required&gt; 27              &lt;option value=""&gt;- Pilih Level -&lt;/option&gt; 28              @foreach(\$level as \$item) 29                &lt;option value="{{ \$item-&gt;level_id }}&gt;{{ \$item-&gt;level_nama }}&lt;/option&gt; 30              @endforeach 31            &lt;/select&gt; 32            @error('level_id') 33              &lt;div class="text-danger"&gt;{{ \$message }}&lt;/div&gt; 34            &lt;/div&gt; 35          &lt;/div&gt; 36        &lt;/div&gt; 37      &lt;/form&gt; 38    @endif 39  &lt;/div&gt; 40&lt;/div&gt;</pre>
20.	<p>Sekarang kalian coba untuk mengedit data user di browser, amati, pahami, dan laporkan!</p>	<p>Proses Perubahan</p>

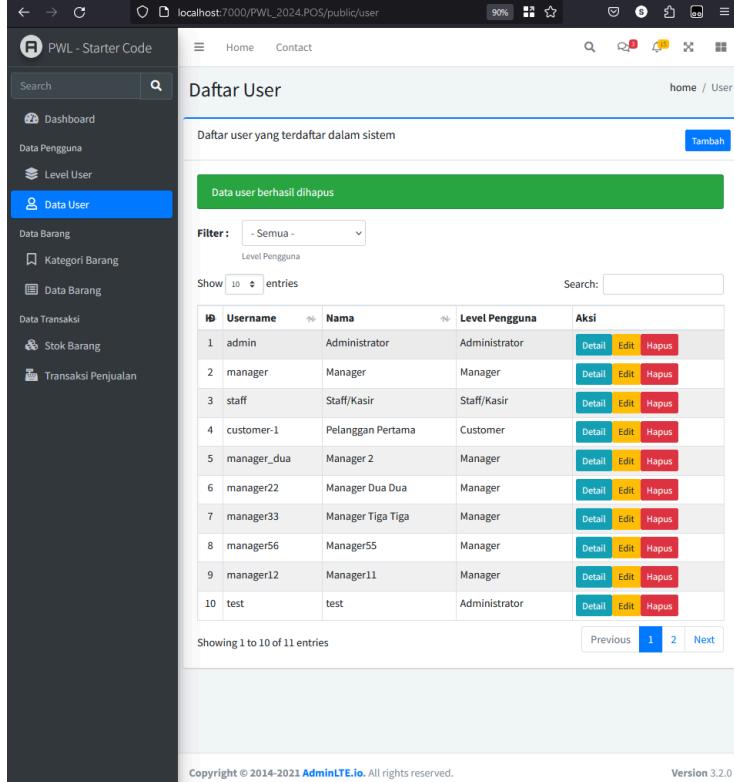
The screenshot shows a web-based application interface for managing users. On the left is a sidebar with various menu items: Dashboard, Data Pengguna, Level User, Data User (which is currently selected and highlighted in blue), Data Barang, Kategori Barang, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area is titled 'Edit User' and contains fields for 'Level' (set to 'Administrator'), 'Username' (set to 'rian2'), 'Nama' (set to 'Rian [Updated]'), and 'Password' (represented by five asterisks). Below these fields is a note: 'Abaikan (jangan diisi) jika tidak ingin mengganti password user.' At the bottom are two buttons: 'Simpan' (Save) and 'Kembali' (Back). The footer of the page includes copyright information: 'Copyright © 2014-2021 AdminLTE.io. All rights reserved.' and 'Version 3.2.0'.

### Setelah Perubahan

The screenshot shows the 'Daftar User' (User List) page. The sidebar on the left remains the same as the previous screenshot. The main content area is titled 'Daftar user yang terdaftar dalam sistem' and features a green success message box that says 'Data user berhasil diubah'. Below this, there is a search and filter section with a dropdown for 'Filter' set to '- Semua -' and a 'Search:' input field. A table lists user data with 12 entries. The table columns are: ID, Username, Nama, Level Pengguna, and Aksi (Actions). The first row shows '11 rian Rian Customer' with 'Detail', 'Edit', and 'Hapus' buttons. The second row shows '12 rian2 Rian [Updated] Administrator' with 'Detail', 'Edit', and 'Hapus' buttons. At the bottom of the table, it says 'Showing 11 to 12 of 12 entries' and includes 'Previous', '1', '2', and 'Next' navigation links. The footer of the page includes copyright information: 'Copyright © 2014-2021 AdminLTE.io. All rights reserved.' and 'Version 3.2.0'.

ID	Username	Nama	Level Pengguna	Aksi
11	rian	Rian	Customer	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
12	rian2	Rian [Updated]	Administrator	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

21.	<p>Selanjutnya kita akan membuat penanganan untuk tombol hapus. Router web.php yang berfungsi untuk menangkap request hapus dengan method DELETE adalah</p> <pre>Route::delete('/{id}', [UserController::class, 'destroy']);</pre>	
22.	<p>Jadi kita buat fungsi destroy() pada UserController.php</p>	<pre>1 reference   0 overrides public function destroy(string \$id) {     \$check = UserModel::find(\$id);     if (!\$check) {         return redirect('/user')-&gt;with('error',             'Data user tidak ditemukan');     }      try {         UserModel::destroy(\$id);         return redirect('/user')-&gt;with             ('success', 'Data user berhasil             dihapus');     } catch         (\Illuminate\Database\QueryException \$e) {             return redirect('/user')-&gt;with('error',                 'Data user gagal dihapus karena masih                 terdapat tabel lain yang terikat dengan                 data ini');     } }</pre>

23.	<p>Selanjutnya kita modifikasi file PWL_POS/resources/views/user/index.blade.php</p> <p>untuk menambahkan tampilan jika ada pesan error</p>	<pre><code>@if (session('success'))     &lt;div class="alert alert-success"&gt;{{ session('success') }}&lt;/div&gt; @endif @if (session('error'))     &lt;div class="alert alert-danger"&gt;{{ session('error') }}&lt;/div&gt; @endif</code></pre>																																																							
24.	<p>Kemudian jalankan browser untuk menghapus salah satu data user. Amati dan laporan!</p>	 <table border="1" data-bbox="780 798 1405 1136"> <thead> <tr> <th>ID</th> <th>Username</th> <th>Nama</th> <th>Level Pengguna</th> <th>Aksi</th> </tr> </thead> <tbody> <tr><td>1</td><td>admin</td><td>Administrator</td><td>Administrator</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>2</td><td>manager</td><td>Manager</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>3</td><td>staff</td><td>Staff/Kasir</td><td>Staff/Kasir</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>4</td><td>customer-1</td><td>Pelanggan Pertama</td><td>Customer</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>5</td><td>manager_dua</td><td>Manager 2</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>6</td><td>manager22</td><td>Manager Dua Dua</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>7</td><td>manager33</td><td>Manager Tiga Tiga</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>8</td><td>manager56</td><td>Manager55</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>9</td><td>manager12</td><td>Manager11</td><td>Manager</td><td>[Detail] [Edit] [Hapus]</td></tr> <tr><td>10</td><td>test</td><td>test</td><td>Administrator</td><td>[Detail] [Edit] [Hapus]</td></tr> </tbody> </table>	ID	Username	Nama	Level Pengguna	Aksi	1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]	2	manager	Manager	Manager	[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	manager22	Manager Dua Dua	Manager	[Detail] [Edit] [Hapus]	7	manager33	Manager Tiga Tiga	Manager	[Detail] [Edit] [Hapus]	8	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]	9	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]	10	test	test	Administrator	[Detail] [Edit] [Hapus]
ID	Username	Nama	Level Pengguna	Aksi																																																					
1	admin	Administrator	Administrator	[Detail] [Edit] [Hapus]																																																					
2	manager	Manager	Manager	[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]																																																					
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8	manager56	Manager55	Manager	[Detail] [Edit] [Hapus]																																																					
9	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]																																																					
10	test	test	Administrator	[Detail] [Edit] [Hapus]																																																					
25.	<p>Selamat, kalian sudah membuat Laravel Starter Code untuk proses CRUD dengan menggunakan template AdminLTE dan plugin jQuery Datatables.</p>																																																								

#### Praktikum 4 – Implementasi Filtering Datatables

No	Steps	Attachments
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1.	<p>Kita modifikasi fungsi index() di UserController.php untuk menambahkan data yang ingin dijadikan kategori untuk data filtering</p>	<pre><code>public function index() {     \$breadcrumb = (object) [         'title' =&gt; 'Daftar User',         'list' =&gt; ['home', 'User']     ];      \$page = (object) [         'title' =&gt; 'Daftar user yang terdaftar dalam sistem'     ];      \$activeMenu = 'user';      \$level = LevelModel::all();      return view('user.index', compact('breadcrumb', 'page', 'activeMenu', 'level')); }</code></pre>
2.	<p>Kemudian kita modifikasi view untuk menampilkan data filtering pada PWL_POS/resources/views/user/index.blade.php</p>	<pre><code>&lt;div class="row"&gt;     &lt;div class="col-md-12"&gt;         &lt;div class="form-group row"&gt;             &lt;label class="col-1 control-label col-form-label"&gt;Filter : &lt;/label&gt;             &lt;div class="col-3"&gt;                 &lt;select name="level_id" id="level_id" class="form-control" required&gt;                     &lt;option value=""&gt; Semua &lt;/option&gt;                     @foreach (\$level as \$item)                         &lt;option value="{{ \$item-&gt;level_id }}&gt;{{ \$item-&gt;level_nama }}&lt;/option&gt;                     @endforeach                 &lt;/select&gt;                 &lt;small class="form-text text-muted"&gt;Level Pengguna&lt;/small&gt;             &lt;/div&gt;         &lt;/div&gt;     &lt;/div&gt; &lt;/div&gt;</code></pre>
3.	<p>Selanjutnya, tetap pada view index.blade.php, kita tambahkan kode berikut pada deklarasi ajax di datatable. Kode ini digunakan untuk mengirimkan data untuk filtering</p>	<pre><code>@push('js') &lt;script&gt; \$(document).ready(function() {     var dataUser = \$('#table_user').DataTable({         serverSide: true, // serverSide: true, jika ingin menggunakan server side processing         ajax: {             "url": "{{ url('user/list') }}",             "dataType": "json",             "type": "POST",             "data": function(d) {                 d.level_id = \$('#level_id').val();             }         },         columns: [             data: "DT_RowIndex", // nomor urut dari laravel datatable         ]     }); });</code></pre> 

4.	Kemudian kita edit pada bagian akhir script @push('js') untuk menambahkan listener jika data filtering dipilih	<pre>\$('#level_id').on('change', function() {     dataUser.ajax.reload(); });</pre>
5.	Tahapan akhir adalah memodifikasi fungsi list() pada UserController.php yang digunakan untuk menampilkan data pada datatable	<pre>public function list(Request \$request) {     \$users = UserModel::select('user_id', 'username', 'nama', 'level_id')         -&gt;with(['level']);      // dd(\$users);      if (\$request-&gt;level_id) {         \$users-&gt;where('level_id', \$request-&gt;level_id);     }      return DataTables::of(\$users)         -&gt;addIndexColumn()         -&gt;addColumn('aksi', function (\$user) {             \$btn = '&lt;a href="' . url('/user/' . \$user-&gt;user_id) . '" class="btn btn-info btn-sm"&gt;Detail&lt;/a&gt;';             \$btn .= '&lt;a href="' . url('/user/' . \$user-&gt;user_id . '/edit') . '" class="btn btn-warning btn-sm"&gt;Edit&lt;/a&gt;';             \$btn .= '&lt;form class="d-inline-block" method="POST" action="' . url('/user/' . \$user-&gt;user_id) . '"&gt;                 . csrf_field()                 . method_field('DELETE')                 . '&lt;button type="submit" class="btn btn-danger btn-sm                     onclick="return confirm(\'Apakah Anda yakin menghapus data ini?                     \');&gt;Hapus&lt;/button&gt;                 . '&lt;/form&gt;';         });         return \$btn;     }     -&gt;rawColumns(['aksi'])     -&gt;make(true); }</pre>

6.

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

The screenshot shows a web application interface titled 'PWL - Starter Code'. On the left, there is a dark sidebar with various menu items: Dashboard, Data Pengguna, Level User, and Data User (which is highlighted in blue). The main content area is titled 'Daftar User' and displays a table of users. The table has columns for ID, Username, Name, Level Pengguna (User Level), and Aksi (Actions). There is one entry shown:

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

Below the table, it says 'Showing 1 to 1 of 1 entries (filtered from 11 total entries)'. At the bottom right, there are links for 'Previous' and 'Next'.

This screenshot shows the same application interface as the previous one, but with a different filter applied. The 'Filter' dropdown now shows 'Manager'. The main content area displays a table with six entries, each representing a different manager level:

ID	Username	Nama	Level Pengguna	Aksi
1	manager	Manager	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	manager_dua	Manager 2	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	manager22	Manager Dua Dua	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	manager33	Manager Tiga Tiga	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	manager56	Manager55	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	manager12	Manager11	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

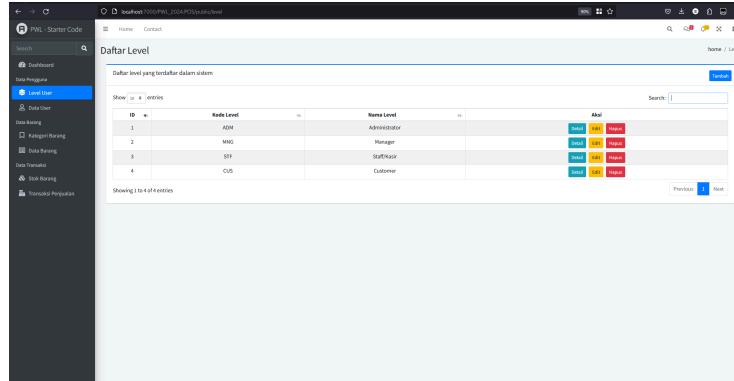
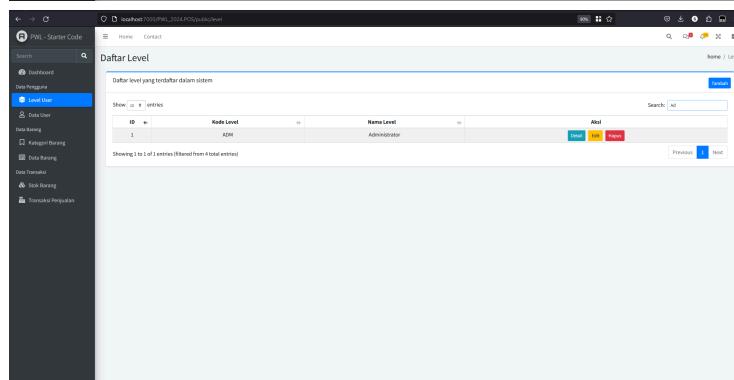
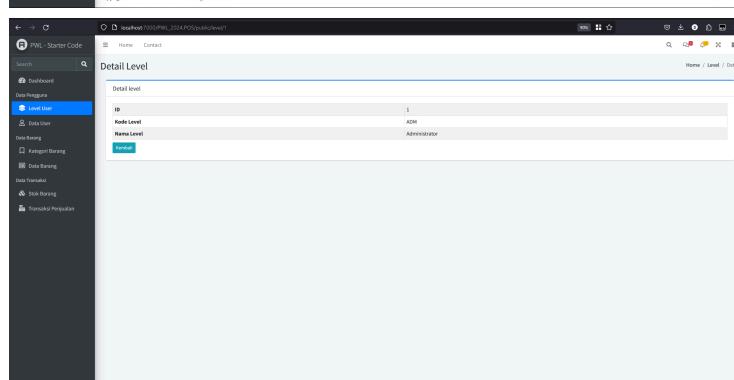
Below the table, it says 'Showing 1 to 6 of 6 entries'. At the bottom right, there are links for 'Previous' and 'Next'.

7.	Selamat, sekarang Laravel Starter Code sudah ada filtering dan searching data. Starter Code sudah bisa digunakan dalam membangun sebuah sistem berbasis website.	
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<b>Pertanyaan</b>		
<b>No</b>	<b>Steps</b>	<b>Attachments</b>
1.	Apa perbedaan frontend template dengan backend template?	Perbedaan frontend template dan backend template yang cukup jelas terletak pada fungsionalitas pada template, frontend template menawarkan tampilan yang menarik tanpa adanya fungsionalitas, sedangkan backend template menawarkan keduanya, atau setidaknya menawarkan template fungsionalitas umum pada website.
2.	Apakah layouting itu penting dalam membangun sebuah website?	Layouting tentu penting dalam membangun sebuah website, apalagi dalam skala menengah - besar. Layouting membantu developer dalam menerapkan prinsip DRY (Don't Repeat Yourself) dimana melakukan repetisi pada sebuah blok kode dianggap tidak efisien.
3.	Jelaskan fungsi dari komponen laravel blade berikut : @include(), @extend(),  @section(), @push(), @yield(), dan @stack()	<ul style="list-style-type: none"> <li>• @include() : digunakan untuk melakukan include view di dalam view lain.</li> <li>• @extends() : digunakan untuk melakukan spesifikasi layout mana child harus mewarisi struktur.</li> <li>• @section() : digunakan untuk melakukan definisi seksi pada view</li> <li>• @push() : digunakan untuk menambahkan konten pada parent view @stack() directive.</li> <li>• @stack() : mirip dengan @section(), hanya saja dapat ditambah isinya sebanyak yang diperlukan.</li> </ul>
4.	Apa fungsi dan tujuan dari variable \$activeMenu ?	Variable \$activeMenu digunakan untuk menyimpan nilai sidebar yang sedang aktif.

<b>Tugas</b>
Implementasikan menu yang belum ada di laravel starter code ini sesuai dengan Studi Kasus Point of Sales Sederhana. Silahkan terapkan kode di laravel starter code untuk menu-menu yang sesuai dengan menu di samping ini.

## Jawaban

No	Steps	Attachments
1.	Level User	  

**Edit Level**

Kode Level: ADM  
Nama Level: Administrator (Updated)

**Daftar Level**

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator (Updated)	
2	MNG	Manager	
3	STK	Staff/Kasir	
4	CUS	Customer	

**Tambah Level**

Kode Level: NEW  
Nama Level: New Level

**Daftar Level**

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator (Updated)	
2	MNG	Manager	
3	STK	Staff/Kasir	
4	CUS	Customer	
5	NEW	New Level	

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## 2. Kategori Barang


**Daftar Kategori**

Daftar kategori yang terdapat dalam sistem.

ID	Kode Kategori	Nama Kategori	Aksi
1	MNN	Makanan (Updated)	
2	MINN	Makanan	
3	JKT	Jaket	
4	CLN	Celana	
5	TSH	Topi	
6	NAN	Man Stuff	
7	NEW	New Kategori	

Showing 1 to 7 of 7 entries

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**Detail Kategori**

Detail Kategori

ID	Kode Kategori	Nama Kategori
1	MNN	Makanan (Updated)

[Edit](#)

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**Tambah Kategori**

Tambah kategori baru.

Kode Kategori	NEW
Nama Kategori	New Kategori

[Simpan](#) [Batal](#)

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**Daftar Kategori**

Daftar kategori yang terdapat dalam sistem.

ID	Kode Kategori	Nama Kategori	Aksi
1	MNN	Makanan (Updated)	
2	MINN	Makanan	
3	JKT	Jaket	
4	CLN	Celana	
5	TSH	Topi	
6	NAN	Man Stuff	
7	NEW	New Kategori	

Showing 1 to 7 of 7 entries

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### 3. Data Barang

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**Edit Barang**

Kategori: Makanan (Updated)  
 Kode Barang: MMN-002  
 Name Barang: Nasi Goreng Jawa  
 Harga Beli: 10000  
 Harga Jual: 15000

**Daftar Barang**

ID	Kategori	Kode Barang	Name Barang	Harga Beli	Harga Jual	Aksi
1	Makanan (Updated)	MMN-001	Nasi Goreng Jawa	10000	15000	[Edit] [Hapus]
2	Makanan (Updated)	MMN-002	Nasi Goreng	8000	12000	[Edit] [Hapus]
3	Makanan	MMN-003	Eg Tahu	3000	5000	[Edit] [Hapus]
4	Makanan	MMN-004	Eg Jerkuk	4000	6000	[Edit] [Hapus]
5	Jaket	JFT-001	Jaket Parasut	60000	100000	[Edit] [Hapus]
6	Jaket	JFT-002	Jaket Kulit	100000	200000	[Edit] [Hapus]
7	Celana	CLN-001	Celana Jeans	100000	150000	[Edit] [Hapus]
8	Celana	CLN-002	Celana Joger	60000	120000	[Edit] [Hapus]
9	Topi	TPH-001	Topi Tracker	30000	50000	[Edit] [Hapus]
10	Topi	TPH-002	Topi Snapback	25000	40000	[Edit] [Hapus]

Showing 1 to 10 of 20 entries

**Tambah Barang**

Tambah barang baru

Kategori: Makanan (Updated)  
 Kode Barang: MMN-003  
 Name Barang: Pecel  
 Harga Beli: 4000  
 Harga Jual: 7000

User: Rian  
 Stok Jumlah: 1000

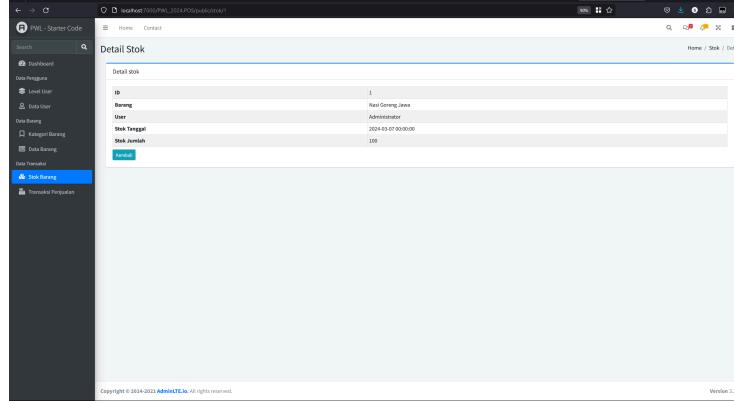
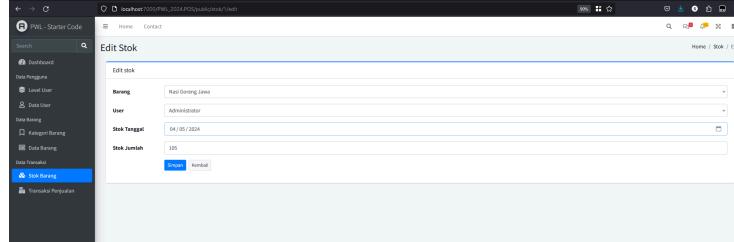
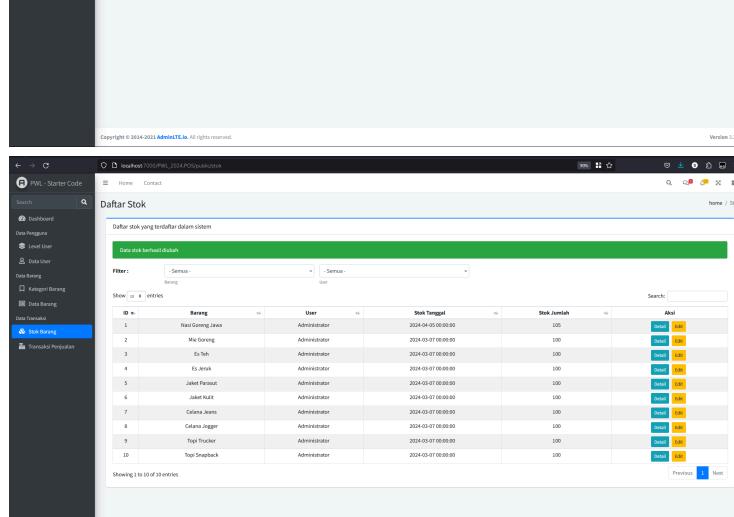
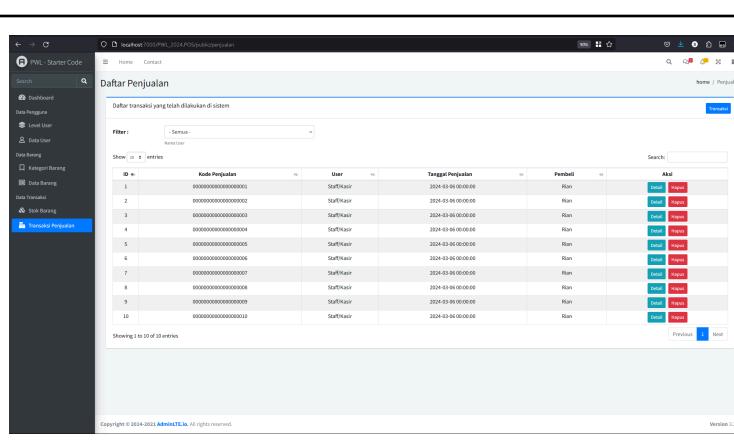
**Daftar Barang**

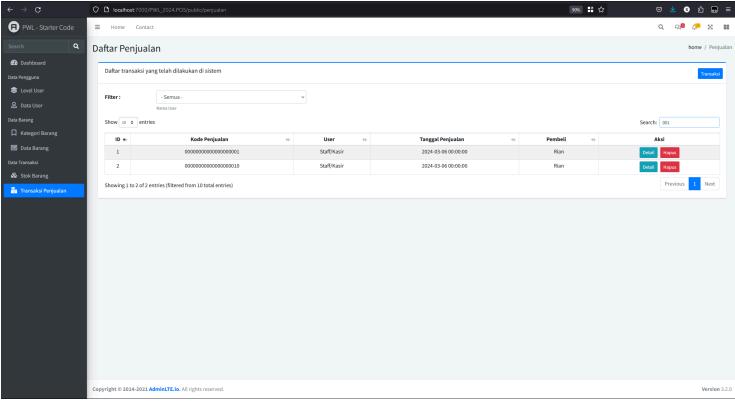
ID	Kategori	Kode Barang	Name Barang	Harga Beli	Harga Jual	Aksi
11	Makanan (Updated)	MMN-003	Pecel	4000	7000	[Edit] [Hapus]

Showing 11 to 11 of 11 entries

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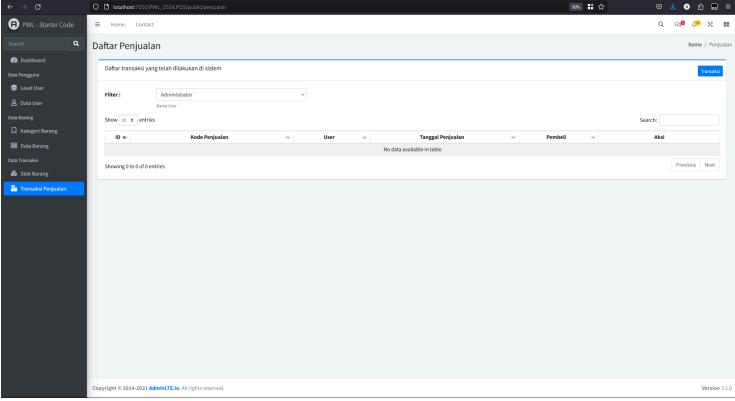
#### 4. Stok Barang


	  
<p><b>5.</b></p> <h2>Transaksi Penjualan</h2>	

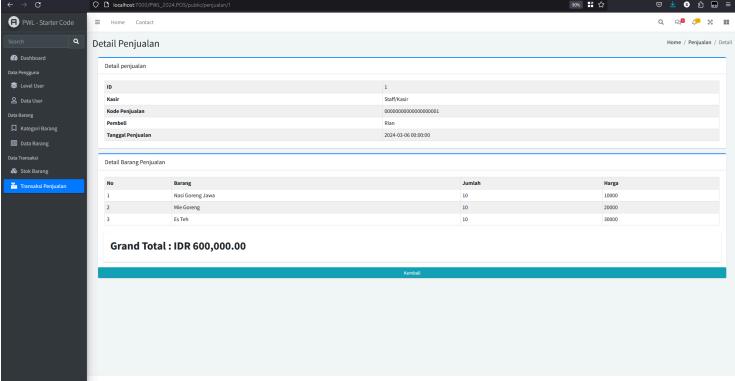


This screenshot shows the 'Daftar Penjualan' (Sales Report) page. It displays a table of sales transactions with columns: ID, Kode Penjualan, User, Tanggal Penjualan, Pembeli, and Aksi. Two entries are listed:

ID	Kode Penjualan	User	Tanggal Penjualan	Pembeli	Aksi
1	000000000000000001	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
2	000000000000000012	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>



This screenshot shows the same 'Daftar Penjualan' page, but it indicates 'No data available in table'. The table structure is identical to the first screenshot.



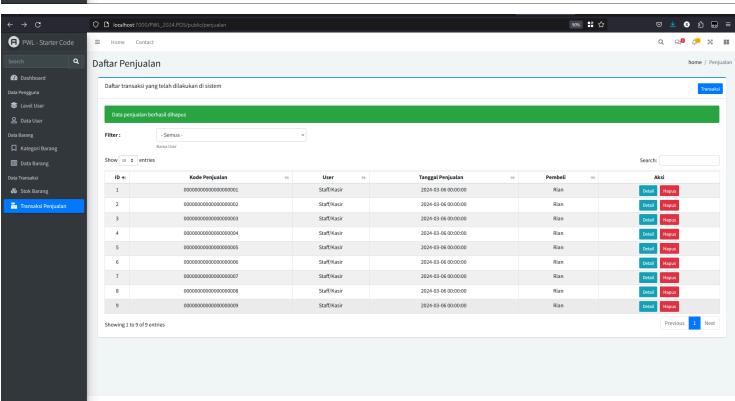
This screenshot shows the 'Detail Penjualan' (Sale Details) page. It includes a summary table and a detailed table of items. The summary table shows:

ID	Kode	User	Tanggal Penjualan
1	000000000000000001	StaffMaster	2024-03-01 00:00:00

The detailed table shows the items sold:

No	Barcode	Nama Barang	Jumlah	Harga
1	NanoGaming-J360	Mouse Gaming	10	10000
2	NanoGaming-J360	Mouse Gaming	10	20000
3	Ec-Tek	Ekstensi	10	30000

**Grand Total : IDR 600,000.00**



This screenshot shows the 'Daftar Penjualan' page again, displaying multiple sales entries. The table structure is consistent with the previous screenshots.

ID	Kode Penjualan	User	Tanggal Penjualan	Pembeli	Aksi
1	000000000000000001	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
2	000000000000000002	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
3	000000000000000003	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
4	000000000000000004	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
5	000000000000000005	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
6	000000000000000006	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
7	000000000000000007	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
8	000000000000000008	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>
9	000000000000000009	StaffMaster	2024-03-01 00:00:00	Ran	<button>Detail</button> <button>Print</button>

