



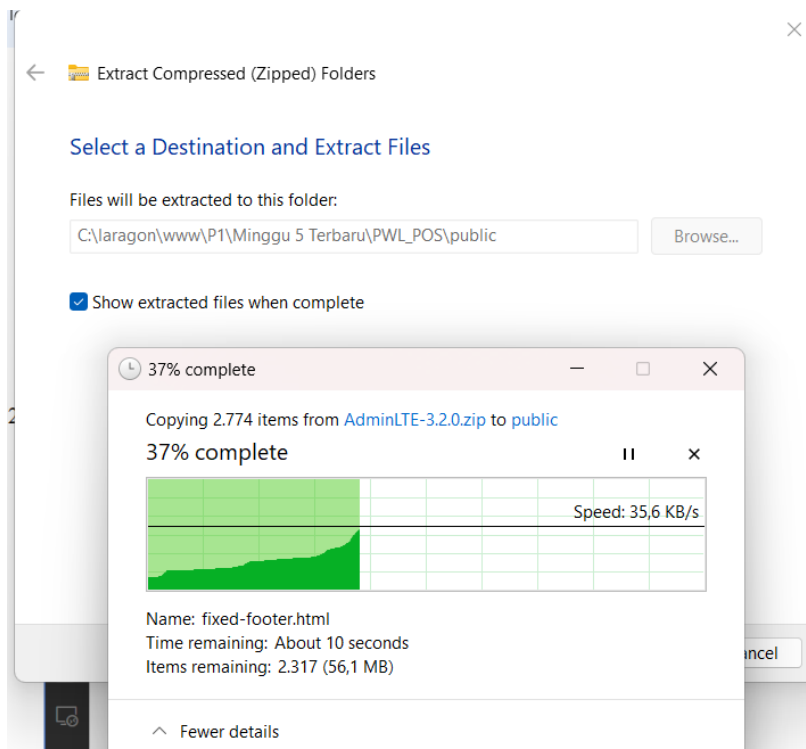
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NIM : 2341720232
KELAS : TI-2A
MATERI : PWL - Jobsheet 05 - Blade View, Web Layout, dan Datatable

Praktikum 1 - Layouting AdminLTE:

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

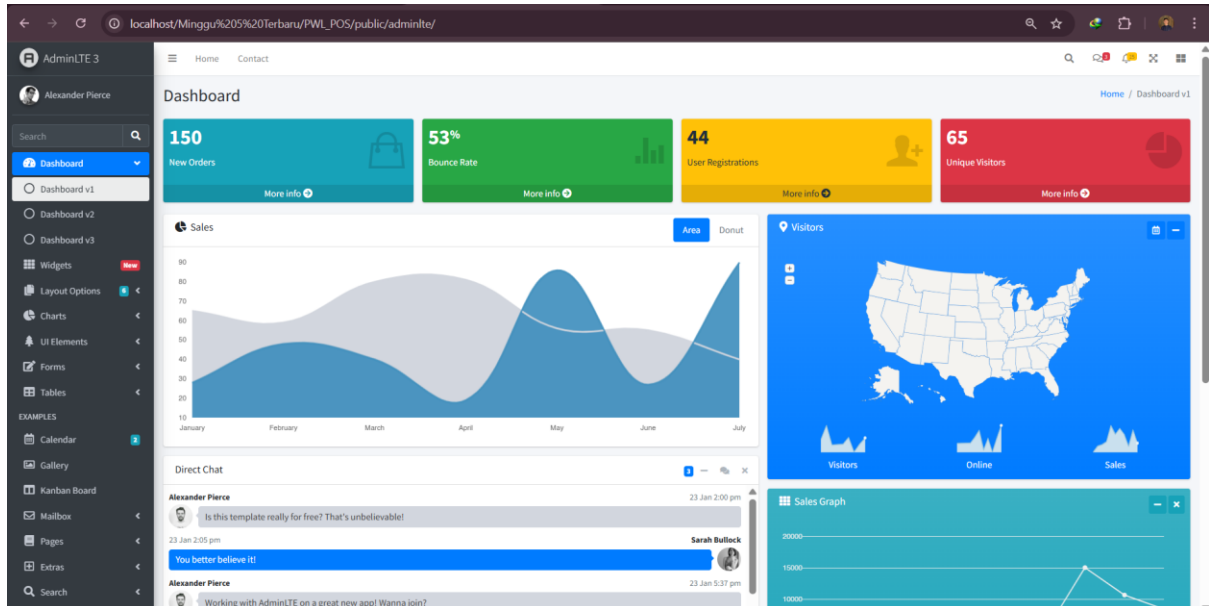




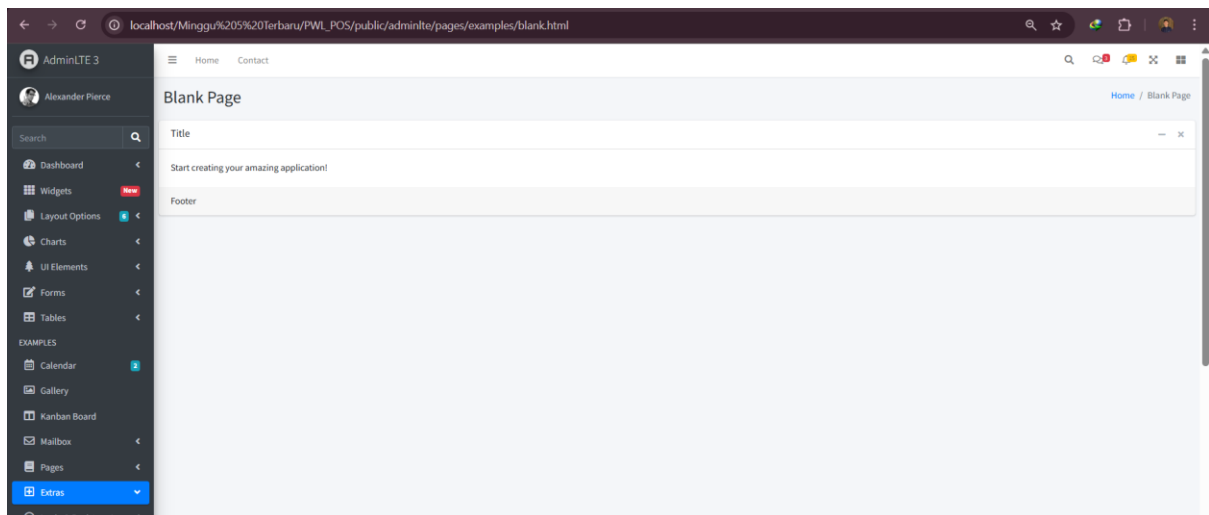
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3. Selanjutnya kita buka di browser dengan alamat

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



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



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

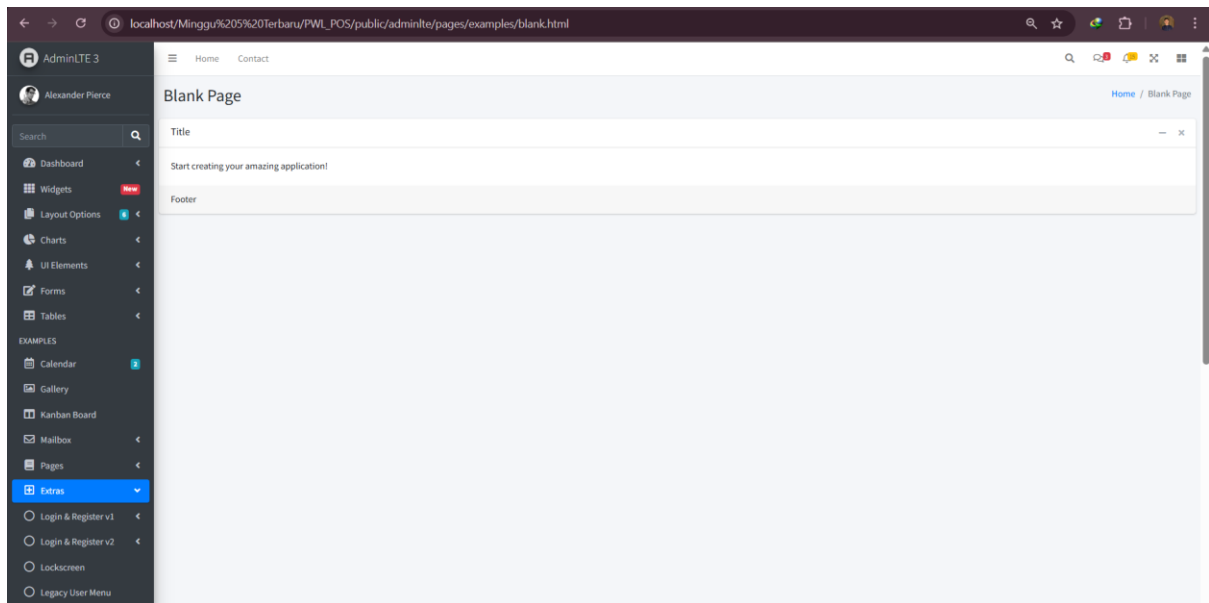


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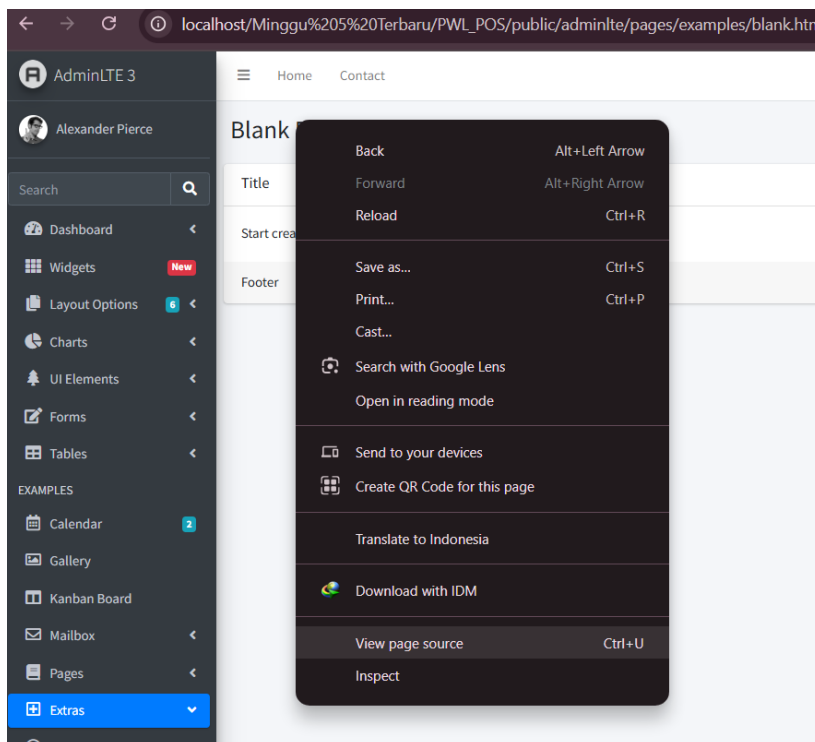
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6. Selanjutnya kita klik kanan halaman Blank Page dan klik *view page source*



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



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

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

Menjadi

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

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

Menjadi



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```
23 <aside class="main-sidebar sidebar-dark-primary elevation-4">
24 <!-- Brand Logo -->
25 <a href="{{ url(path: '/') }}" class="brand-link">
26 
27 <span class="brand-text font-weight-light">PWL - Starter Code</span>
28 </a>
29
30 <!-- Sidebar -->
```

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

```
29
30 <!-- Sidebar -->
31 @include(view: 'layouts.sidebar')
32 <!-- /.sidebar -->
33 </aside>
34
```

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

```
83 <!-- /.content -->
84 </div>
85 <!-- /.content-wrapper -->
86 @include(view: 'layouts.footer')
87
88 </div>
89 <!-- ./wrapper -->
```

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

Menjadi

```
90
91 <!-- jQuery -->
92 <script src="{{ asset(path: 'adminlte/plugins/jquery/jquery.min.js') }}"></script>
93 <!-- Bootstrap 4 -->
94 <script src="{{ asset(path: 'adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
95 <!-- AdminLTE App -->
96 <script src="{{ asset(path: 'adminlte/dist/js/adminlte.min.js') }}"></script>
97
98 </body>
99 </html>
100
```



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15. Sekarang masuk pada bagian konten. Konten kita bagi menjadi 2, yaitu elemen untuk *breadcrumb* dan elemen untuk *content*.

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

```
34
35     <!-- Content Wrapper. Contains page content -->
36     <div class="content-wrapper">
37         <!-- Content Header (Page header) -->
38         @include('view:layouts.breadcrumb')
39
40     <!-- Main content -->
```

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')

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



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```
Minggu 5 Terbaru > PWL_POS > resources > views > layouts > template.blade.php > html > body.hold-transition.sidebar-mini > div.wrapper > div.content-wrapper > section.content
2 <html lang="en">
3 <head>
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(path: 'adminlte/plugins/fontawesome-free/css/all.min.css') }}">
12 <!-- Theme style -->
13 <link rel="stylesheet" href="{{ asset(path: 'adminlte/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(view: '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(path: '/') }}" class="brand-link">
26 
27 <span class="brand-text font-weight-light">PWL - Starter Code</span>
28 </a>
29
30 <!-- Sidebar -->
31 @include(view: '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(view: 'layouts.breadcrumb')
39
40 <!-- Main content -->
41 <section class="content">
42 |
43 | @yield('content')
44 |
45 </section>
46 <!-- /.content -->
47 </div>
48 <!-- /.content-wrapper -->
49 @include(view: 'layouts.footer')
50
51 </div>
52 <!-- /.wrapper -->
53
54 <!-- jQuery -->
55 <script src="{{ asset(path: 'adminlte/plugins/jquery/jquery.min.js') }}"></script>
56 <!-- Bootstrap 4 -->
57 <script src="{{ asset(path: 'adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
58 <!-- AdminLTE App -->
59 <script src="{{ asset(path: 'adminlte/dist/js/adminlte.min.js') }}"></script>
60
61 </body>
```

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:

Sekarang kita akan mencoba melakukan penerapan terhadap layouting yang sudah kita lakukan.

1. Kita buat file controller dengan nama WelcomeController.php

```
Minggu 5 Terbaru > PWL_POS > app > Http > Controllers > WelcomeController.php > PHP Intelephense > WelcomeController
1 <?php
2 namespace App\Http\Controllers;
3
4 class WelcomeController extends Controller
5 {
6     public function index(): Factory|View{
7         $breadcrumb = (object)[
8             'title' => 'Selamat Datang',
9             'list' => ['Home', 'Welcome']
10        ];
11        $activeMenu = 'dashboard';
12        return view(view: 'Welcome',data: ['breadcrumb' => $breadcrumb, 'activeMenu' => $activeMenu]);
13    }
14 }
```



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2. Kita buat file pada PWL_POS/resources/views/welcome.blade.php

```
Minggu 5 Terbaru > PWL_POS > resources > views > welcome.blade.php > div.card
1 @extends('layouts.template')
2
3 @section('content')
4 <div class="card">
5     <div class="card-header">
6         <h3 class="card-title">Hallo, 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

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

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



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

```
54 </li>
55 <li class="nav-item">
56 <a href="{{ url(path: '/stok') }}" class="nav-link {{ ($activeMenu == 'stok')}}
57 'active' : '' }}">
58 <i class="nav-icon fas fa-cubes"></i>
59 <p>Stok Barang</p>
60 </a>
61 </li>
62 <li class="nav-item">
63 <a href="{{ url(path: '/barang') }}" class="nav-link {{ ($activeMenu ==
64 'penjualan')}} 'active' : '' }}">
65 <i class="nav-icon fas fa-cash-register"></i>
66 <p>Transaksi Penjualan</p>
67 </a>
68 </li>
69 </ul>
70 </nav>
71 </div>
72 </div>
```

5. Kita tambahkan kode berikut router web.php

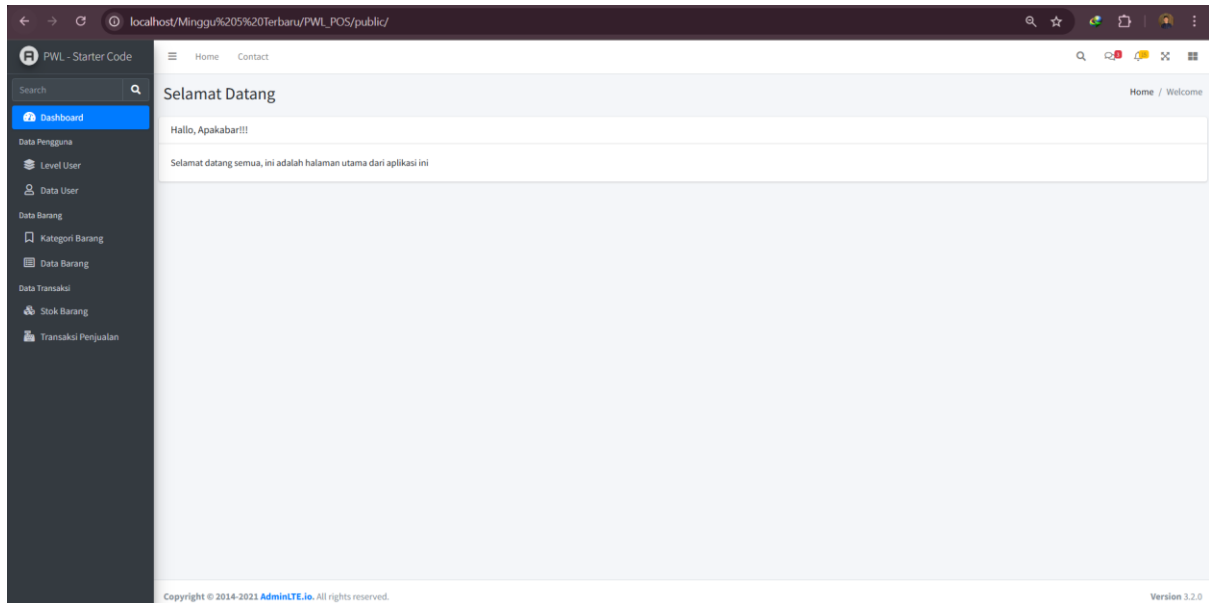
```
35 //JS 5
36 Route::get('/',[WelcomeController::class,'index']);
```

6. Sekarang kita coba jalankan di browser dengan mengetikkan url

http://localhost/PWL_POS/public



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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-datatable dengan mengetikkan perintah pada CMD
composer require yajra/laravel-datatables:^10.0 atau
composer require yajra/laravel-datatables-oracle

```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
PS C:\laragon\www\P1> cd '..\Minggu 5 Terbaru\'
PS C:\laragon\www\P1\Minggu 5 Terbaru> cd '..\PWL_POS\'
PS C:\laragon\www\P1\Minggu 5 Terbaru\PWL_POS> composer require yajra/laravel-datatables:^10.0

Warning: Module "pdo_mysql" is already loaded in Unknown on line 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 (0.20.2)
- 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
```



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```
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 (0.20.2): 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

Warning: Module "pdo_mysql" is already loaded in Unknown on line 0

[INFO] Discovering packages.
```

```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

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

Warning: Module "pdo_mysql" is already loaded in Unknown on line 0
```

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

```
37
38 Route::group(['prefix'=> 'user'], function () { void {
39     Route::get('/', [UserController::class, 'index']);
40     Route::post('/list', [UserController::class, 'list']);
41     Route::get('/create', [UserController::class, 'create']);
42     Route::post('/', [UserController::class, 'store']);
43     Route::get('/{id}', [UserController::class, 'show']);
44     Route::get('/{id}/edit', [UserController::class, 'edit']);
45     Route::put('/{id}', [UserController::class, 'update']);
46     Route::delete('/{id}', [UserController::class, 'destroy']);
47
48 });
```

4. Kita buat atau modifikasi penuh untuk UserController.php. Kita buat fungsi index()



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```
Minggu 5 Terbaru > PWL_POS > app > Http > Controllers > UserController.php > PHP Intelephense > UserController > index
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\User;
6  use Illuminate\Http\Request;
7  use App\Models\UserModel;
8  use App\Models\UserModel as UserModel;
9  use Illuminate\Support\Facades\DB;
10 use Illuminate\Support\Facades\Hash;
11
12 29 references | 0 implementations | Codeium: Refactor | Explain
13 class UserController extends Controller
14 {
15     //
16     5 references | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
17     public function index(): Factory|View
18     {
19         $breadcrumb = (object) [
20             'title' => 'Daftar User',
21             'list' => ['Home', 'User']
22         ];
23         $page = (object) [
24             'title' => 'Daftar User yang terdaftar dalam sistem',
25         ];
26         $activeMenu = 'user';
27         return view('user.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
28     }
29 }
30
```



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

```
Minggu 5 Terbaru > PWL_POS > resources > views > user > index.blade.php > script > ready() callback > dataUser > columns
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 }}</h3>
6     <div class="card-tools">
7       <a class="btn btn-sm btn-primary mt-1" href="{{ url(path: 'user/create') }}">Tambah</a>
8     </div>
9   </div>
10   <div class="card-body">
11     <table class="table table-bordered table-striped table-hover table-sm"
12       id="table_user">
13       <thead>
14         <tr>
15           <th>ID</th>
16           <th>Username</th>
17           <th>Nama</th>
18           <th>Level</th>
19           <th>Pengguna</th>
20           <th>Aksi</th>
21         </tr>
22       </thead>
23     </table>
24   </div>
25 </div>
26 @endsection
27 @push('css')
28 @endpush
29 @push('js')
30 <script>
31   $(document).ready(function() {
32     var dataUser = $('#table_user').DataTable({
33       // serverSide: true, jika ingin menggunakan server side processing
34       serverSide: true,
35       ajax: {
36         "url": "{{ url(path: 'user/list') }}",
37         "dataType": "json",
38         "type": "POST"
39       },
40       columns: [
41         // nomor urut dari laravel datatable addIndexColumn()
42         {data: "DT_RowIndex", className: "text-center", orderable: false, searchable: false},
43         {data: "username",
44           className: "",
45           // orderable: true, jika ingin kolom ini bisa diurutkan
46           orderable: true,
47           // searchable: true, jika ingin kolom ini bisa dicari
48           searchable: true},
49         {data: "nama",
50           className: ""},
51         {data: "level",
52           className: ""},
53         {data: "aksi",
54           className: ""},
55         {data: "nama",
56           className: ""},
57         {data: "level",
58           className: ""},
59         {data: "aksi",
60           className: ""},
61         {data: "nama",
62           className: ""},
63         {data: "level",
64           className: ""},
65         {data: "aksi",
66           className: ""},
67         {data: "nama",
68           className: ""},
69         {data: "level",
70           className: ""},
71         {data: "aksi",
72           className: ""},
73         {data: "nama",
74           className: ""},
75         {data: "level",
76           className: ""},
77         {data: "aksi",
78           className: ""},
79         {data: "nama",
80           className: ""},
81         {data: "level",
82           className: ""},
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84           className: ""},
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949         {data: "nama",
950          className: ""},
951         {data: "level",
952          className: ""},
953         {data: "aksi",
954          className: ""},
955         {data: "nama",
956          className: ""},
957         {data: "level",
958          className: ""},
959         {data: "aksi",
960          className: ""},
961         {data: "nama",
962          className: ""},
963         {data: "level",
964          className: ""},
965         {data: "aksi",
966          className: ""},
967         {data: "nama",
968          className: ""},
969         {data: "level",
970          className: ""},
971         {data: "aksi",
972          className: ""},
973         {data: "nama",
974          className: ""},
975         {data: "level",
976          className: ""},
977         {data: "aksi",
978          className: ""},
979         {data: "nama",
980          className: ""},
981         {data: "level",
982          className: ""},
983         {data: "aksi",
984          className: ""},
985         {data: "nama",
986          className: ""},
987         {data: "level",
988          className: ""},
989         {data: "aksi",
990          className: ""},
991         {data: "nama",
992          className: ""},
993         {data: "level",
994          className: ""},
995         {data: "aksi",
996          className: ""},
997         {data: "nama",
998          className: ""},
999         {data: "level",
1000          className: ""},
1001         {data: "aksi",
1002          className: ""},
1003         {data: "nama",
1004          className: ""},
1005         {data: "level",
1006          className: ""},
1007         {data: "aksi",
1008          className: ""},
1009         {data: "nama",
1010          className: ""},
1011         {data: "level",
1012          className: ""},
1013         {data: "aksi",
1014          className: ""},
1015         {data: "nama",
1016          className: ""},
1017         {data: "level",
1018          className: ""},
1019         {data: "aksi",
1020          className: ""},
1021         {data: "nama",
1022          className: ""},
1023         {data: "level",
1024          className: ""},
1025         {data: "aksi",
1026          className: ""},
1027         {data: "nama",
1028          className: ""},
1029         {data: "level",
1030          className: ""},
1031         {data: "aksi",
1032          className: ""},
1033         {data: "nama",
1034          className: ""},
1035         {data: "level",
1036          className: ""},
1037         {data: "aksi",
1038          className: ""},
1039         {data: "nama",
1040          className: ""},
1041         {data: "level",
1042          className: ""},
1043         {data: "aksi",
1044          className: ""},
1045         {data: "nama",
1046          className: ""},
1047         {data: "level",
1048          className: ""},
1049         {data: "aksi",
1050          className: ""},
1051         {data: "nama",
1052          className: ""},
1053         {data: "level",
1054          className: ""},
1055         {data: "aksi",
1056          className: ""},
1057         {data: "nama",
1058          className: ""},
1059         {data: "level",
1060          className: ""},
1061         {data: "aksi",
1062          className: ""},
1063         {data: "nama",
1064          className: ""},
1065         {data: "level",
1066          className: ""},
1067         {data: "aksi",
1068          className: ""},
1069         {data: "nama",
1070          className: ""},
1071         {data: "level",
1072          className: ""},
1073         {data: "aksi",
1074          className: ""},
1075         {data: "nama",
1076          className: ""},
1077         {data: "level",
1078          className: ""},
1079         {data: "aksi",
1080          className: ""},
1081         {data: "nama",
1082          className: ""},
1083         {data: "level",
1084          className: ""},
1085         {data: "aksi",
1086          className: ""},
1087         {data: "nama",
1088          className: ""},
1089         {data: "level",
1090          className: ""},
1091         {data: "aksi",
1092          className: ""},
1093         {data: "nama",
1094          className: ""},
1095         {data: "level",
1096          className: ""},
1097         {data: "aksi",
1098          className: ""},
1099         {data: "nama",
1100          className: ""},
1101         {data: "level",
1102          className: ""},
1103         {data: "aksi",
1104          className: ""},
1105         {data: "nama",
1106          className: ""},
1107         {data: "level",
1108          className: ""},
1109         {data: "aksi",
1110          className: ""},
1111         {data: "nama",
1112          className: ""},
1113         {data: "level",
1114          className: ""},
1115         {data: "aksi",
1116          className: ""},
1117         {data: "nama",
1118          className: ""},
1119         {data: "level",
1120          className: ""},
1121         {data: "aksi",
1122          className: ""},
1123         {data: "nama",
1124          className: ""},
1125         {data: "level",
1126          className: ""},
1127         {data: "aksi",
1128          className: ""},
1129         {data: "nama",
1130          className: ""},
1131         {data: "level",
1132          className: ""},
1133         {data: "aksi",
1134          className: ""},
1135         {data: "nama",
1136          className: ""},
1137         {data: "level",
1138          className: ""},
1139         {data: "aksi",
1140          className: ""},
1141         {data: "nama",
1142          className: ""},
1143         {data: "level",
1144          className: ""},
1145         {data: "aksi",
1146          className: ""},
1147         {data: "nama",
1148          className: ""},
1149         {data: "level",
1150          className: ""},
1151         {data: "aksi",
1152          className: ""},
1153         {data: "nama",
1154          className: ""},
1155         {data: "level",
1156          className: ""},
1157         {data: "aksi",
1158          className: ""},
1159         {data: "nama",
1160          className: ""},
1161         {data: "level",
1162          className: ""},
1163         {data: "aksi",
1164          className: ""},
1165         {data: "nama",
1166          className: ""},
1167         {data: "level",
1168          className: ""},
1169         {data: "aksi",
1170          className: ""},
1171         {data: "nama",
1172          className: ""},
1173         {data: "level",
1174          className: ""},
1175         {data: "aksi",
1176          className: ""},
1177         {data: "nama",
1178          className: ""},
1179        
```



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

```
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(key: 'app.name', default: 'PWL Laravel Starter Code') }}</title>
7 <meta name="csrf-token" content="{{ csrf_token() }}"> <!-- untuk mengirimkan csrf token -->
8
9 <!-- Google Font: Source Sans Pro -->
10 <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
11 <!-- Font Awesome -->
12 <link rel="stylesheet" href="{{ asset(path: 'adminlte/plugins/fontawesome-free/css/all.min.css') }}">
13 <!-- DataTables -->
14 <link rel="stylesheet" href="{{ asset(path: 'adminlte/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css') }}">
15 <link rel="stylesheet" href="{{ asset(path: 'adminlte/plugins/datatables-responsive/css/responsive.bootstrap4.min.css') }}">
16 <link rel="stylesheet" href="{{ asset(path: 'adminlte/plugins/datatables-buttons/css/buttons.bootstrap4.min.css') }}">
17
18 <!-- Theme style -->
19 <link rel="stylesheet" href="{{ asset(path: 'adminlte/dist/css/adminlte.min.css') }}">
20 @stack('css') <!-- untuk memanggil css dari perintah push ('css') pada masing masing view -->
21 </head>
22
23 <body>
24 <div class="wrapper">
25 <div class="main-header">
26 <div class="position-relative">
27 <div class="float-right">
28 <div class="btn btn-sm btn-outline-light">
29 <div class="float-right">
30 <div class="float-right">
31 <div class="float-right">
32 <div class="float-right">
33 <div class="float-right">
34 <div class="float-right">
35 <div class="float-right">
36 <div class="float-right">
37 <div class="float-right">
38 <div class="float-right">
39 <div class="float-right">
40 <div class="float-right">
41 <div class="float-right">
42 <div class="float-right">
43 <div class="float-right">
44 <div class="float-right">
45 <div class="float-right">
46 <div class="float-right">
47 <div class="float-right">
48 <div class="float-right">
49 <div class="float-right">
50 <div class="float-right">
51 <div class="float-right">
52 <div class="float-right">
53 <div class="float-right">
54 <div class="float-right">
55 <div class="float-right">
56 <div class="float-right">
57 <div class="float-right">
58 <div class="float-right">
59 <div class="float-right">
60
61 <!-- jQuery -->
62 <script src="{{ asset(path: 'adminlte/plugins/jquery/jquery.min.js') }}"></script>
63 <!-- Bootstrap 4 -->
64 <script src="{{ asset(path: 'adminlte/plugins/bootstrap/js/bootstrap.bundle.min.js') }}"></script>
65 <!-- DataTables & plugins -->
66 <script src="{{ asset(path: 'adminlte/plugins/datatables/jquery.dataTables.min.js') }}"></script>
67 <script src="{{ asset(path: 'adminlte/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js') }}"></script>
68 <script src="{{ asset(path: 'adminlte/plugins/datatables-responsive/js/dataTables.responsive.min.js') }}"></script>
69 <script src="{{ asset(path: 'adminlte/plugins/datatables-responsive/js/responsive.bootstrap4.min.js') }}"></script>
70 <script src="{{ asset(path: 'adminlte/plugins/datatables-buttons/js/dataTables.buttons.min.js') }}"></script>
71 <script src="{{ asset(path: 'adminlte/plugins/datatables-buttons/js/buttons.bootstrap4.min.js') }}"></script>
72 <script src="{{ asset(path: 'adminlte/plugins/jszip/jszip.min.js') }}"></script>
73 <script src="{{ asset(path: 'adminlte/plugins/pdfmake/pdfmake.min.js') }}"></script>
74 <script src="{{ asset(path: 'adminlte/plugins/pdfmake/vfs_fonts.js') }}"></script>
75 <script src="{{ asset(path: 'adminlte/plugins/datatables-buttons/js/buttons.html5.min.js') }}"></script>
76 <script src="{{ asset(path: 'adminlte/plugins/datatables-buttons/js/buttons.print.min.js') }}"></script>
77 <script src="{{ asset(path: 'adminlte/plugins/datatables-buttons/js/buttons.colVis.min.js') }}"></script>
78 <!-- AdminLTE App -->
79 <script src="{{ asset(path: 'adminlte/dist/js/adminlte.min.js') }}"></script>
80 <script>
81 //untuk mengirimkan token laravel csrf pada setiap request ajax
82 $.ajaxSetup({headers: {'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')}});
83 </script>
84
85 @stack('js')
86 </body>
87 </html>
88
```



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

```
1 reference | 0 overrides | Codeium: Refactor | Explain | X
32 public function list(Request $request): JsonResponse
33 {
34     $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
35     ->with('level');
36     return DataTables::of($users)
37     // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
38     ->addIndexColumn()
39     ->addColumn('aksi', function ($user): string { // menambahkan kolom aksi
40         $btn = '<a href="' . url(path: './user/' . $user->user_id) . '" class="btn btn-info btn-sm">Detail</a> ';
41         $btn .= '<a href="' . url(path: './user/' . $user->user_id) . '/edit'" class="btn btn-warning btn-sm">Edit</a> ';
42         $btn .= '<form class="d-inline-block" method="POST" action="' .
43             url(path: './user/' . $user->user_id) . '">
44             . csrf_field() . method_field(method: 'DELETE') .
45             '<button type="submit" class="btn btn-danger btn-sm" onclick="return
46             confirm(\`Apakah Anda yakin menghapus data ini?\`);">Hapus</button></form>';
47         return $btn;
48     });
49     ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
50     ->make(true);
51 }
52
53
```

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-1	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	dikariffky	DIKA ARIE ARRIFKY	Administrator	Detail Edit Hapus

Berhasil menampilkan data user



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

```
54 public function create(): Factory|View
55 {
56     $breadcrumb = (object) [
57         'title' => 'Tambah User',
58         'list' => ['Home', 'User', 'Tambah']
59     ];
60     $page = (object) [
61         'title' => 'Tambah User Baru',
62     ];
63     $level = LevelModel::All(); //mengambil data level untuk ditampilkan di form
64     $activeMenu = 'user'; // set menu yang sedang aktif
65     return view('user.create', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
66 }
67 }
```

10. Sekarang kita buat form untuk menambah data, kita buat file

PWL/resources/views/user/create.blade.php

```
Minggu 5 Terbaru > PWL_POS > resources > views > user > create.blade.php > div.card.card-outline.card-primary > div.card-body > form.form-horizontal > div.form-group.row > label.col-1.control-label.col-form-label
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">{{ $page->title }}</h3>
6         <div class="card-tools"></div>
7     </div>
8     <div class="card-body">
9         <form method="POST" action="{{ url(path: 'user') }}" class="form-horizontal">
10             @csrf
11             <div class="form-group row">
12                 <label class="col-1 control-label col-form-label">Level</label>
13                 <div class="col-11">
14                     <select class="form-control" id="level_id" name="level_id" required>
15                         <option value="">- Pilih Level -</option>
16                         @foreach($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 class="form-group row">
26                 <label class="col-1 control-label col-form-label">Username</label>
27                 <div class="col-11">
28                     <input type="text" class="form-control" id="username" name="username" value="{{
29 old(key: 'username') }}" required>
30                     @error('username')
31                         <small class="form-text text-danger">{{ $message }}</small>
32                     @enderror
33                 </div>
34             </div>
35             <div class="form-group row">
36                 <label class="col-1 control-label col-form-label">Nama</label>
37                 <div class="col-11">
38                     <input type="text" class="form-control" id="nama" name="nama" value="{{
39 old(key: 'nama') }}" required>
40                     @error('nama')
41                         <small class="form-text text-danger">{{ $message }}</small>
42                     @enderror
43                 </div>
44             </div>
45             <div class="form-group row">
```

```
46                 <label class="col-1 control-label col-form-label">Password</label>
47                 <div class="col-11">
48                     <input type="password" class="form-control" id="password" name="password"
49                         required>
50                     @error('password')
51                         <small class="form-text text-danger">{{ $message }}</small>
52                     @enderror
53                 </div>
54             </div>
55             <div class="form-group row">
56                 <label class="col-1 control-label col-form-label"></label>
57                 <div class="col-11">
58                     <button type="submit" class="btn btn-primary btn-sm">Simpan</button>
59                     <a class="btn btn-sm btn-default ml-1" href="{{ url(path: 'user') }}">Kembali</a>
60                 </div>
61             </div>
62         </form>
63     </div>
64 </div>
65 @endsection
66 @push('css')
67 @endpush
68 @push('js')
69 @endpush
```




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

```
68 | public function store(Request $request): mixed|RedirectResponse  
69 | {  
70 |     $request->validate([  
71 |         //username harus diisi, berupa string minimal 3 karakter, dan bernilai unik di tabel m_user kolom username  
72 |         'username' => 'required|string|min:3|unique:m_user',  
73 |         'nama' => 'required|string|max:100',  
74 |         'password' => 'required|min:5',  
75 |         'level_id' => 'required|integer'  
76 |     ]);  
77 |     UserModel::create([  
78 |         'username' => $request->username,  
79 |         'nama' => $request->nama,  
80 |         'password' => bcrypt(value: $request->password), // password dienkripsi sebelum disimpan  
81 |         'level_id' => $request->level_id  
82 |     ]);  
83 |     return redirect(to: '/user')->with('success','Data user berhasil ditambahkan');  
84 | }  
85 | }  
86 |
```

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

Menampilkan form tambah data user



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

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

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

```
85 1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
86 public function show($id): Factory|View
87 {
88     $user = UserModel::with(['level'])->find($id);
89     $breadcrumb = (object) [
90         'title' => 'Detail User',
91         'list' => ['Home', 'User', 'Detail']
92     ];
93     $page = (object) [
94         'title' => 'Detail User',
95     ];
96     $activeMenu = 'user'; // set menu yang sedang aktif
97     return view(view: 'user.show', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu, 'user' => $user]);
98 }
99
```

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



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



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Detail User	
Detail User	
ID	1
Level	Administrator
Username	admin
Nama	Administrator
Password	*****
Kembali	

Dapat melihat data detail per user

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

```
Route::get('/{id}/edit', [UserController::class,'edit']); //menampilkan halaman form edit user
Route::put('/{id}', [UserController::class,'update']); //menyimpan perubahan data user
```

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

```
1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
99 public function edit(string $id): Factory|View
100 {
101     $user = UserModel::find($id);
102     $level = LevelModel::all();
103
104     $breadcrumb = (object) [
105         'title' => 'Edit User',
106         'list' => ['Home', 'User', 'Edit']
107     ];
108     $page = (object) [
109         'title' => 'Edit User',
110     ];
111     $activeMenu = 'user'; // set menu yang sedang aktif
112     return view('user.edit', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu, 'user' => $user, 'level' => $level]);
113 }
114
115 1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
116 public function update(Request $request, int $id): mixed|RedirectResponse
117 {
118     $request->validate([
119         //username harus diisi, berupa string minimal 3 karakter
120         //dan bernilai unik di tabel m_user kolom username kecuali untuk user dengan id yang sedang diedit
121         'username' => 'required|string|min:3|unique:m_user,username,.'. $id. ',user_id',
122         'nama' => 'required|string|max:100', //nama harus diisi, berupa string maksimal 100 karakter
123         'password' => 'nullable|min:5', // password bisa diisi (minimal 5 karakter) dan tidak bisa diisi
124         'level_id' => 'required|integer', // level_id harus diisi dan bertipe integer
125     ]);
126     UserModel::find($id)->update([
127         'username' => $request->username,
128         'nama' => $request->nama,
129         'password' => $request->password ? bcrypt(value: $request->password) : UserModel::find($id)->password,
130         'level_id' => $request->level_id
131     ]);
132     return redirect(to: '/user')->with('success','Data user berhasil diubah');
133 }
134 }
135
```



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19.Selanjutnya, kita buat *view* untuk melakukan proses edit data user di

PWL/resources/views/user/edit.blade.php

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



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

Mengedit data dikarrrfky12345

10	dikarrrfky12345	DIKA ARIE ARRIFKY YYY	Customer	Detail	Edit	Hapus
----	-----------------	-----------------------	----------	------------------------	----------------------	-----------------------

Menjadi seperti dibawah

10	DIKA MNG	DIKA ARIE ARRIFKY	Manager	Detail	Edit	Hapus
----	----------	-------------------	---------	------------------------	----------------------	-----------------------

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']);`

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



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

```
1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
public function destroy(int $id): mixed|RedirectResponse
{
    $check = UserModel::find($id);
    if (!$check) { // untuk mengecek apakah data user dengan id yang dimaksud ada atau tidak
        return redirect(to: '/user')->with('success','Data user tidak ditemukan');
    }

    try {
        UserModel::destroy($id); // hapus data level
    } catch (\Illuminate\Database\QueryException $e) {
        return redirect(to: '/user')->with('success','Data user berhasil dihapus');
    }

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

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

Menjadi

```
10 <div class="card-body">
11     @if (session(key: 'success'))
12         <div class="alert alert-success">{{ session(key: 'success') }}</div>
13     @endif
14     @if (session(key: 'error'))
15         <div class="alert alert-danger">{{ session(key: 'error') }}</div>
16     @endif
17     <table class="table table-bordered table-striped table-hover table-sm" id="table_user">
18         <thead>
```

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

Menghapus data DIKA MNG

10	DIKA MNG	DIKA ARIE ARRIFKY	Manager	Detail	Edit	Hapus
----	----------	-------------------	---------	------------------------	----------------------	-----------------------

Data berhasil dihapus



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Daftar User

Home / User

Daftar User yang terdaftar dalam sistem

Tambah

Data user berhasil dihapus

Show 10 entries Search:

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-2	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

Showing 1 to 9 of 9 entries

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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:

Kita akan menerapkan filtering pada datatable yang sudah kita buat. Hal ini akan mempermudah kita dalam mengelompokkan suatu data sesuai kategori tertentu. Langkah-langkah yang kita kerjakan sebagai berikut

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

```
29  
30  
31 $level = LevelModel::all();  
32  
33 return view('user.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu]);  
34 }
```




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2. Kemudian kita modifikasi view untuk menampilkan data filtering pada

PWL/resources/views/user/index.blade.php

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

```
$(document).ready(function() {
    var dataUser = $('#table_user').DataTable({
        // serverSide: true, jika ingin menggunakan server side processing
        serverSide: true,
        ajax: {
            "url": "{{ url(path: '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

```
93 }
94 });
95 $('#level_id').on('change', function() {
96     dataUser.ajax.reload();
97 })
98 });
```

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



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```
public function list(Request $request): JsonResponse
{
    $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
        ->with('level');
    //Filter data user berdasarkan level_id
    if ($request->level_id) {
        $users = $users->where('level_id', $request->level_id);
    }
}
```

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

Daftar User yang terdaftar dalam sistem

Filter: - Semua - Level Pengguna

Show 10 entries

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-2	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

Showing 1 to 9 of 9 entries

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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



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G. Tugas

Implementasikan web layout dan datatables, pada menu berikut ini

✓ Tabel m_level

Daftar Level yang terdaftar dalam sistem

Filter:

Show 10 entries

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
5	abc	pppr	Detail Edit Hapus
6	Jung	Jungler	Detail Edit Hapus

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✓ Tabel m_kategori

Daftar Kategori yang terdaftar dalam sistem

Filter:

Show 10 entries

ID	Kode Kategori	Nama Kategori	Aksi
1	ELC001	Elektronik	Detail Edit Hapus
2	FNB002	Makanan & Minuman	Detail Edit Hapus
3	FRN003	Furniture	Detail Edit Hapus
4	CLT004	Pakaian	Detail Edit Hapus
5	OR005	Olahraga	Detail Edit Hapus
6	PSMEME	Playstation	Detail Edit Hapus
7	PPP	Proklamasi	Detail Edit Hapus
8	MOS2	Mouse2	Detail Edit Hapus

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✓ Tabel m_supplier



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localhost/Minggu%205%20Terbaru/PWL_POS/public/supplier

PWL - Starter Code

Home Contact

Daftar Supplier

Daftar Supplier yang terdaftar dalam sistem

Filter: Cari Supplier

Search:

Show 10 entries

ID	Kode Supplier	Nama Supplier	Aksi
1	SUP001	PT. Sumber Jaya	Detail Edit Hapus
2	SUP002	CV. Anugerah Makmur	Detail Edit Hapus
3	SUP003	UD. Sinar Terang	Detail Edit Hapus

Showing 1 to 3 of 3 entries

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✓ Tabel m_barang

localhost/Minggu%205%20Terbaru/PWL_POS/public/barang

PWL - Starter Code

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Daftar Barang

Daftar Barang yang terdaftar dalam sistem

Filter: Cari Barang

Search:

Show 10 entries

ID	Kode Barang	Nama Barang	Harga	Stok	Aksi
1	TV001	Televisi LED 32 inch	2500000	3000000	Detail Edit Hapus
2	HP002	Smartphone Android	3500000	4000000	Detail Edit Hapus
3	SNK003	Snack Coklat	10000	15000	Detail Edit Hapus
4	DRK004	Minuman Soda	5000	8000	Detail Edit Hapus
5	TBL005	Meja Kayu Jati	1200000	1500000	Detail Edit Hapus
6	CH006	Kursi Sofa	800000	1000000	Detail Edit Hapus
7	SHR007	Kemeja Formal Pria	150000	200000	Detail Edit Hapus
8	JNS008	Celana Jeans	200000	250000	Detail Edit Hapus
9	RKT009	Raket Badminton	500000	600000	Detail Edit Hapus
10	BS010	Bola Sepak	150000	180000	Detail Edit Hapus

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