LAPORAN PRAKTIKUM PEMROGRAMAN WEB LANJUT (PWL)
JOBSHEET 5: Blade View, Web Templating(AdminLTE), Datatables

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PROGRAM STUDI D-IV SISTEM INFORMASI BISNIS

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A. Bootstrap pada Laravel

1. Melakukan instalasi Node.js. Installer dapat diperoleh dari https://nodejs.org/en/. Sesuaikan dengan sistem operasi yang digunakan.

2. Untuk memastikan instalasi Node.js dan NPM berjalan lancar, Anda dapat memeriksanya dengan menjalankan dua perintah berikut melalui Command Prompt:
   - Node –v
   - Npm –v

   ```
   ● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> node -v
     v22.14.0
   ● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm -v
     10.9.2
   ```

   Setelah Anda mengetikkan kedua perintah tersebut, Command Prompt akan menunjukkan versi Node.js dan NPM yang ter-install di komputer.

3. Kemudian melalui command prompt, ubah direktori ke dalam direktori project laravel yang telah dibuat sebelumnya.

4. Scaffolding Bootstrap yang disediakan oleh Laravel terletak di dalam paket Composer, yang dapat diinstal menggunakan Composer:laravel/ui.

   ```
   PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> composer require larave
   ● l/ui
     ./composer.json has been updated
     Running composer update laravel/ui
     Loading composer repositories with package information
     Updating dependencies
     Lock file operations: 1 install, 0 updates, 0 removals
       - Locking laravel/ui (v4.6.1)
     Writing lock file
     Installing dependencies from lock file (including require-dev)
   ```

5. Setelah paket diinstal, kita dapat menginstal scaffolding frontend menggunakan perintah Artisan:laravel/ui

   ```
   ● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> php artisan ui bootstra
     p

       INFO  Bootstrap scaffolding installed successfully.

       WARN  Please run [npm install && npm run dev] to compile your fresh scaffolding.

   ● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> php artisan ui bootstra
     p --auth

       The [Controller.php] file already exists. Do you want to replace it? (yes/no) [yes]


       INFO  Authentication scaffolding generated successfully.

       INFO  Bootstrap scaffolding installed successfully.

       WARN  Please run [npm install && npm run dev] to compile your fresh scaffolding.
   ```

6. Sebelum mengompilasi CSS, install dependensi frontend proyek Anda menggunakan Node package manager (NPM) :

```
● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm install

  added 53 packages, and audited 54 packages in 26s

  16 packages are looking for funding
    run `npm fund` for details

  2 moderate severity vulnerabilities

  To address all issues (including breaking changes), run:
    npm audit fix --force

  Run `npm audit` for details.
  npm notice
  npm notice New major version of npm available! 10.9.2 -> 11.2.0
```

7. Setelah paket diinstal, Anda dapat menggunakan perintah berikut untuk mengompilasi aset Anda .

```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm run dev

> dev
> vite


  VITE v5.4.14  ready in 1162 ms

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

  LARAVEL v10.48.28  plugin v1.2.0

  →  APP_URL: http://localhost
▎
```

❖ **PRAKTIMUM 1**

Cara paling cepat dan clean dapat dilakukan menggunakan repository dalam tautan berikut https://github.com/jeroennoten/Laravel-AdminLTE/wiki/Installation.

1. Dalam root folder project lakukan command berikut, untuk mendefinisikan requirement project.

```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> composer require jeroen
noten/laravel-adminlte
./composer.json has been updated
Running composer update jeroennoten/laravel-adminlte
Loading composer repositories with package information
Updating dependencies
Lock file operations: 2 installs, 0 updates, 0 removals
  - Locking almasaeed2010/adminlte (v3.2.0)
  - Locking jeroennoten/laravel-adminlte (v3.15.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
  - Downloading almasaeed2010/adminlte (v3.2.0)
  - Downloading jeroennoten/laravel-adminlte (v3.15.0)
```

2. Melakukan instalasi requirement project di atas dengan command berikut:

```
● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> php artisan adminlte:in
  stall
  AdminLTE assets files published successfully
  Configuration file published successfully
  Translation files published successfully
  The installation is complete.
```

Perintah di atas akan meng-install:

- AdminLTE distribution files dan dependensinya (Bootstrap, jQuery, etc.) dalam folder public/vendor .
- Konfigurasi package di file config/adminlte.php
- Paket translasi di folder lang/vendor/adminlte/
- Dalam composer.json akan otomatis ditambahkan require untuk laravel-adminlte

```json
Minggu-5 > PWL_POS > {} composer.json > ...
 1  {
 2      "name": "laravel/laravel",
 3      "type": "project",
 4      "description": "The skeleton application for the Laravel f
 5      "keywords": ["laravel", "framework"],
 6      "license": "MIT",
 7      "require": {
 8          "php": "^8.1",
 9          "guzzlehttp/guzzle": "^7.2",
10          "jeroennoten/laravel-adminlte": "^3.15",
11          "laravel/framework": "^10.10",
12          "laravel/sanctum": "^3.3",
13          "laravel/tinker": "^2.8",
14          "laravel/ui": "^4.6"
15      },
16      "require-dev": {
17          "fakerphp/faker": "^1.9.1",
18          "laravel/pint": "^1.0",
19          "laravel/sail": "^1.18",
20          "mockery/mockery": "^1.4.4",
21          "nunomaduro/collision": "^7.0",
22          "phpunit/phpunit": "^10.1",
23          "spatie/laravel-ignition": "^2.0"
24      },
25      "autoload": {
26          "psr-4": {
27              "App\\": "app/",
28              "Database\\Factories\\": "database/factories/",
29              "Database\\Seeders\\": "database/seeders/"
30          }
31      },
```

3. Buat file resources/views/layout/app.blade.php. Isi dengan kode berikut.

```blade
@extends('adminlte::page')

{{-- Extend and customize the browser title --}}

@section('title')
    {{ config('adminlte.title') }}
    @hasSection('subtitle') | @yield('subtitle') @endif
@stop

{{-- Extend and customize the page content header --}}

@section('content_header')
    @hasSection('content_header_title')
```

```blade
            <h1 class="text-muted">
                @yield('content_header_title')

                @hasSection('content_header_subtitle')
                    <small class="text-dark">
                        <i class="fas fa-xs fa-angle-right text-muted"></i>
                        @yield('content_header_subtitle')
                    </small>
                @endif
            </h1>
        @endif
@stop

{{-- Rename section content to content_body --}}

@section('content')
    @yield('content_body')
@stop

{{-- Create a common footer --}}

@section('footer')
    <div class="float-right">
        Version: {{ config('app.version', '1.0.0') }}
    </div>

    <strong>
        <a href="{{ config('app.company_url', '#') }}">
            {{ config('app.company_name', 'My company') }}
        </a>
    </strong>
@stop

{{-- Add common Javascript/Jquery code --}}

@push('js')
<script>

    $(document).ready(function() {
        // Add your common script logic here...
    });

</script>
@endpush
```

```
{{-- Add common CSS customizations --}}

@push('css')
<style type="text/css">

    {{-- You can add AdminLTE customizations here --}}
        /*
        .card-header {
        border-bottom: none;
        }
        .card-title {
        font-weight: 600;
        }
        */
</style>
@endpush
```

4. Edit resources/views/welcome.blade.php, kemudian replace seluruh kodenya dengan kode berikut

```
Minggu-5 > PWL_POS > resources > views > 🐘 welcome.blade.php > ...
 1  @extends('layouts.app' )
 2
 3  {{-- Customize layout sections --}}
 4
 5  @section('subtitle', 'Welcome')
 6  @section('content_header_title', 'Home')
 7  @section('content_header_subtitle', 'Welcome')
 8
 9  {{-- Content body: main page content --}}
10
11  @section('content_body')
12      <p>Welcome to this beautiful admin panel.</p>
13  @stop
14
15  {{-- Push extra CSS --}}
16
17  @push('css')
18      {{-- Add here extra stylesheets --}}
19      {{-- <link rel="stylesheet" href="/css/admin_custom.css"> --}}
20  @endpush
21
22  {{-- Push extra scripts --}}
23
24  @push('js')
25      <script> console.log("Hi, I'm using the Laravel-AdminLTE package!"); </script>
26  @endpush
```
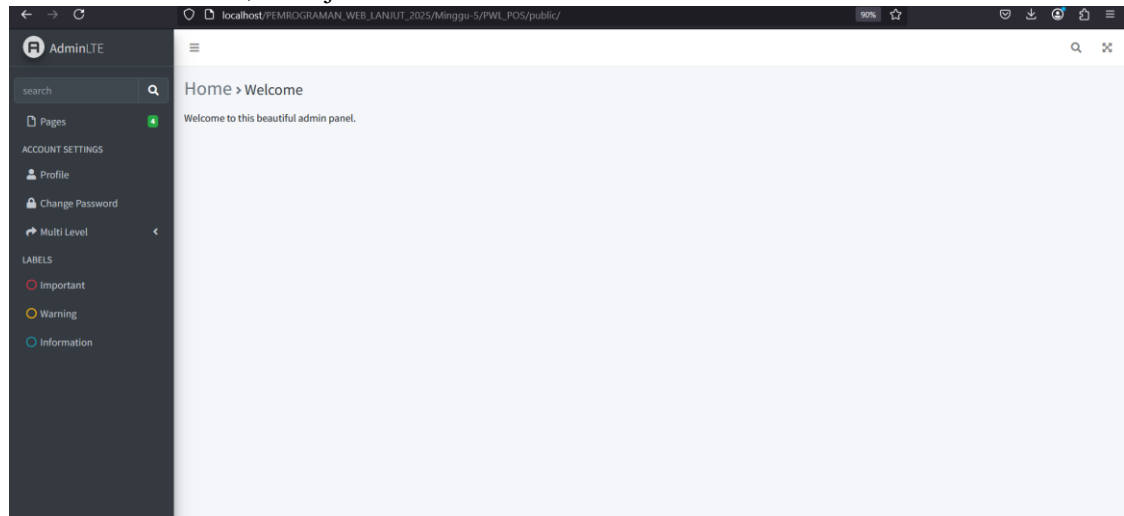
Untuk menggunakan blade template ini cukup dengan extend AdminLTE layout dengan cara @extends('adminlte::page').

Template yields di beberapa bagian terklasifikasi dalam 2 yield:

- main: Biasa digunakan untuk extending the layout.
- misc: untuk kasus yang tidak biasa, atau hanya situasi tertentu.

Dokumentasi lebih detail terdapat di link berikut: https://github.com/jeroennoten/Laravel-AdminLTE/wiki/Usage

5. Kembali ke browser, menuju ke halaman awal.

❖ **PRAKTIKUM 2**
1. Install Laravel DataTables


```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> composer require larave
l/ui --dev
laravel/ui is currently present in the require key and you ran the command with the --d
ev flag, which will move it to the require-dev key.
Do you want to move this requirement? [no]? no
Do you want to re-run the command without --dev? [yes]? yes
./composer.json has been updated
Running composer update laravel/ui
Loading composer repositories with package information
Updating dependencies
Nothing to modify in lock file
Writing lock file
Installing dependencies from lock file (including require-dev)
Nothing to install, update or remove
Generating optimized autoload files
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> composer require yajra/
 laravel-datatables:^10.0
The "10.0" constraint for "yajra/laravel-datatables" appears too strict and will likely
 not match what you want. See https://getcomposer.org/constraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
  - Locking league/fractal (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
Installing dependencies from lock file (including require-dev)
Package operations: 7 installs, 0 updates, 0 removals
  - Downloading yajra/laravel-datatables-oracle (v10.11.4)
```

2. Pastikan nodejs sudah terinstall, dengan perintah npm -v. Jika belum install nodejs package manager dari https://nodejs.org/dist/v20.11.1/node- v20.11.1-x64.msi

   Npm digunakan untuk manajemen package javascript.

3. Install Laravel DataTables Vite dan sass

```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm i laravel-datatable
s-vite --save-dev

added 9 packages, and audited 63 packages in 24s

17 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
● PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm install -D sass

up to date, audited 63 packages in 3s

17 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
```

4. Edit file resources/js/app.js

   Minggu-5 > PWL_POS > resources > js > JS app.js

```
1    import './bootstrap';
2    import "../sass/app.scss";
3    import 'laravel-datatables-vite';
```

5. Buatlah file resources/saas/app.scss

   Minggu-5 > PWL_POS > resources > sass > app.scss

```
1    // Fonts
2    @import url('https://fonts.bunny.net/css?family=Nunito');
3
4    // Bootstrap
5    @import 'bootstrap/scss/bootstrap';
6
7    //DataTables
8    @import 'bootsrap/scss/font/bootstrap-icons.css';
9    @import 'datatables.net-bs5/css/dataTables.bootstrap5.css';
10   @import 'datatables.net-buttons-bs5/css/buttons.bootstrap5.min.css';
11   @import 'datatables.net-select-bs5/css/select.bootstrap5.css';
```

6. Jalankan dengan npm run dev

```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> npm run dev

> dev
> vite


  VITE v5.4.14  ready in 3373 ms

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

  LARAVEL v10.48.28  plugin v1.2.0

  → APP_URL: http://localhost
```

7. Selanjutnya kita akan buat datatables untuk kategori

```
PS C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS> php artisan datatables:
▶ make Kategori

   INFO  DataTable [C:\laragon\www\PEMROGRAMAN_WEB_LANJUT_2025\Minggu-5\PWL_POS\app\Dat
aTables\KategoriDataTable.php] created successfully.
```

8. Kita edit KategoriDatable untuk mengatur kolom apasaja yang ingin ditampilkan Sesuaikan dengan kodeprogram berikut

```php
<?php
namespace App\DataTables;

use App\Models\KategoriModel;
use Illuminate\Database\Eloquent\Builder as QueryBuilder;
use Yajra\DataTables\EloquentDataTable;
use Yajra\DataTables\Html\Builder as HtmlBuilder;
use Yajra\DataTables\Html\Button;
use Yajra\DataTables\Html\Column;
use Yajra\DataTables\Html\Editor\Editor;
use Yajra\DataTables\Html\Editor\Fields;
use Yajra\DataTables\Services\DataTable;

class KategoriDataTable extends DataTable
{
    /**
     * Build the DataTable class.
     *
     * @param QueryBuilder $query Results from query() method.
     */
    public function dataTable(QueryBuilder $query): EloquentDataTable
    {
        return (new EloquentDataTable($query))
/*          ->addColumn('action', 'kategori.action') */
        ->setRowId('id');
    }

    /**
     * Get the query source of dataTable.
     */
    public function query(KategoriModel $model): QueryBuilder
    {
        return $model->newQuery();
    }

    /**
```

```php
     * Optional method if you want to use the html builder.
     */

    public function html(): HtmlBuilder
    {
        return $this->builder()
                    ->setTableId('kategori-table')
                    ->columns($this->getColumns())
                    ->minifiedAjax()
                    //->dom('Bfrtip')
                    ->orderBy(1)
                    ->selectStyleSingle()
                    ->buttons([
                        Button::make('excel'),
                    Button::make('csv'),
                    Button::make('pdf'),
                    Button::make('print'),
                    Button::make('reset'),
                    Button::make('reload')
                ]);
    }

    /**
     * Get the dataTable columns definition.
     */
    public function getColumns(): array
    {
        return [
/*          Column::computed('action')
                    ->exportable(false)
                    ->printable(false)
                    ->width(60)
                    ->addClass('text-center'), */
            Column::make('kategori_id'),
            Column::make('kategori_kode'),
            Column::make('kategori_nama'),
            Column::make('created_at'),
            Column::make('updated_at'),
        ];
    }

    /**
     * Get the filename for export.
     */
    protected function filename(): string
    {
        return 'Kategori_' . date('YmdHis');
    }
}
```

9. Ubah kategori model, sesuaikan seperti berikut

```php
1   <?php
2   namespace App\Models;
3
4   use Illuminate\Database\Eloquent\Model;
5   use Illuminate\Database\Eloquent\Relations\HasMany;
6
7   class KategoriModel extends Model
8   {
9       protected $table = 'm_kategori';
10      protected $primaryKey = 'kategori_id';
11
12      protected $fillable = ['kategori_kode', 'kategori_nama'];
13
14      public function barang(): HasMany
15      {
16          return $this->hasMany(BarangModel::class, 'barang_id', 'barang_id');
17      }
18
19  }
```

10. Ubah Kategori Controller sesuaikan dengan skrip berikut:

```php
1   <?php
2
3   namespace App\Http\Controllers;
4
5   use Illuminate\Http\Request;
6   use App\DataTables\KategoriDataTable;
7
8   class KategoriController extends Controller
9   {
10      public function index(KategoriDataTable $dataTable)
11      {
12          return $dataTable->render('kategori.index');
13      }
14  }
```

11. Buat folder kategori di dalam resources/view, kemudian buat view blade index untuk kategori
resources/views/kategori/index.blade.php

```php
1   @extends('layouts.app')
2
3   {{-- Customize layout sections --}}
4
5   @section('subtitle', 'Kategori')
6   @section('content_header_title', 'Home')
7   @section('content_header_subtitle', 'Kagegori')
8
9   @section('content')
10      <div class="container">
11          <div class="card">
12              <div class="card-header">Manage Kategori</div>
13              <div class="card-body">
14                  {{ $dataTable->table() }}
15              </div>
16          </div>
17      </div>
18  @endsection
19
20  @push('scripts')
21      {{ $dataTable->scripts() }}
22  @endpush
```

12. Pastikan route untuk kategori sudah tersedia

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

13. Sesuaikan app layout seperti kode berikut

```blade
@extends('adminlte::page')

{{-- Extend and customize the browser title --}}

@section('title')
    {{ config('adminlte.title') }}
    @hasSection('subtitle') | @yield('subtitle') @endif
@stop

@vite('resources/js/app.js')

{{-- Extend and customize the page content header --}}

@section('content_header')
    @hasSection('content_header_title')
        <h1 class="text-muted">
            @yield('content_header_title')

            @hasSection('content_header_subtitle')
                <small class="text-dark">
                    <i class="fas fa-xs fa-angle-right text-muted"></i>
                    @yield('content_header_subtitle')
                </small>
            @endif
        </h1>
    @endif
@stop

{{-- Rename section content to content_body --}}

@section('content')
    @yield('content_body')
@stop

{{-- Create a common footer --}}

@section('footer')
    <div class="float-right">
        Version: {{ config('app.version', '1.0.0') }}
    </div>

    <strong>
        <a href="{{ config('app.company_url', '#') }}">
            {{ config('app.company_name', 'My company') }}
        </a>
    </strong>
@stop

{{-- Add common Javascript/Jquery code --}}

@push('js')
<script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"></script>
@endpush

@stack('scripts')

{{-- Add common CSS customizations --}}
```

```
@push('css')
<link rel="stylesheet"
href="https://cdn.datatables.net/2.0.2/css/dataTables.dataTables.css">
<style type="text/css">

    {{-- You can add AdminLTE customizations here --}}
        /*
        .card-header {
        border-bottom: none;
        }
        .card-title {
        font-weight: 600;
        }
        */
</style>
@endpush
```

14. Menset ViteJs / script type defaults

```php
1    <?php
2
3    namespace App\Providers;
4
5    use Illuminate\Support\ServiceProvider;
6  | use Yajra\DataTables\Html\Builder;
7
8    class AppServiceProvider extends ServiceProvider
9    {
10       /**
11        * Register any application services.
12        */
13       public function register(): void
14       {
15           //
16       }
17
18       /**
19        * Bootstrap any application services.
20        */
21       public function boot(): void
22       {
23           Builder::useVite();
24       }
25   }
```

15. Isikan beberapa data ke table kategori

```sql
1 INSERT INTO m_kategori (kategori_kode, kategori_nama, created_at, updated_at)
2 VALUES ('SPT', 'Sepatu', '2025-03-09 10:30:00', NULL),
3        ('BJU', 'Baju', '2025-03-09 13:01:39', NULL);
```

	kategori_id	kategori_kode	kategori_nama	created_at	updated_at
☐ 🖉 Edit 🏗 Copy ⊖ Delete	1	KAT001	Makanan	*NULL*	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	2	KAT002	Elektronik	*NULL*	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	3	KAT003	Meubel	*NULL*	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	4	KAT004	Minuman	*NULL*	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	5	KAT005	Perabotan Pecah Belah	*NULL*	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	8	SNK	Camilan	2025-03-03 09:16:55	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	9	SPT	Sepatu	2025-03-09 10:30:00	*NULL*
☐ 🖉 Edit 🏗 Copy ⊖ Delete	10	BJU	Baju	2025-03-09 13:01:39	*NULL*

16. Datatables sudah dapat di load di /kategori

Kategori Id ▲	Kategori Kode	Kategori Nama	Created At	Updated At
1	KAT001	Makanan		
2	KAT002	Elektronik		
3	KAT003	Meubel		
4	KAT004	Minuman		
5	KAT005	Perabotan Pecah Belah		
8	SNK	Camilan	2025-03-03T09:16:55.000000Z	
9	SPT	Sepatu	2025-03-09T10:30:00.000000Z	
10	BJU	Baju	2025-03-09T13:01:39.000000Z	

❖ **PRAKTIKUM 3**

1. Menyesuaikan routing, tambahkan dua routing berikut

```
Route::get('/kategori/create', [KategoriController::class, 'create']);
Route::post('/kategori', [KategoriController::class, 'store']);
```

2. Tambahkan dua function berikut dalam KategoriController

```php
1    <?php
2
3    namespace App\Http\Controllers;
4    use App\Models\KategoriModel;
5    use Illuminate\Http\Request;
6    use App\DataTables\KategoriDataTable;
7
8    class KategoriController extends Controller
9    {
10       public function index(KategoriDataTable $dataTable)
11       {
12           return $dataTable->render('kategori.index');
13       }
14
15       public function create()
16       {
17           return view('kategori.create');
18       }
19
20       public function store(Request $request)
21       {
22           KategoriModel::create([
23               'kategori_kode' => $request->kodeKategori,
24               'kategori_nama' => $request->namaKategori,
25           ]);
26           return redirect('/kategori');
27       }
28    }
```

3. Dalam folder views/kategori, buatlah file dengan nama create.blade.php

```php
1    @extends('layouts.app')
2    {{-- Customize layout sections --}}
3    @section('subtitle', 'Kategori')
4    @section('content_header_title', 'Kategori')
5    @section('content_header_subtitle', 'Create')
6    {{-- Content body: main page content --}}
7    @section('content')
8        <div class="container">
9            <div class="card card-primary">
10               <div class="card-header">
11               <h3 class="card-title">Buat kategori baru</h3>
12               </div>
13
14               <form method="post" action=" .. /kategori">
15                   <div class="card-body">
16                       <div class="form-group">
17                           <label for="kodeKategori">Kode Kategori</label>
18                           <input type="text" class="form-control" id="kodeKategori" name="kodeKategori" placehold>
19                       </div>
20                       <div class="form-group">
21                           <label for="namaKategori">Nama Kategori</label>
22                           <input type="text" class="form-control" id="namaKategori" name="namaKategori" placehol>
23                       </div>
24                   </div>
25
26                   <div class="card-footer">
27                   <button type="submit" class="btn btn-primary">Submit</button>
28                   </div>
29               </form>
30           </div>
31
32       </div>
33    @endsection
```

4. Kita lakukan pengecualian proteksi CsrfToken. Karena kita belum melakukan otentikasi. Kita edit dalam file berikut:

```php
1   <?php
2
3   namespace App\Http\Middleware;
4
5   use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken as Middleware;
6
7   class VerifyCsrfToken extends Middleware
8   {
9       /**
10       * The URIs that should be excluded from CSRF verification.
11       *
12       * @var array<int, string>
13       */
14      protected $except = [
15          '/kategori'
16      ];
17  }
```

5. Akses kategori/create

6. Halaman kategori

❖ **TUGAS PRAKTIKUM**
  1. Tambahkan button Add di halaman manage kategori, yang mengarah ke create kategori baru

```
Minggu-5 > PWL_POS > resources > views > kategori > 🐘 index.blade.php > ...
  1   @extends('layouts.app')
  2
  3   {{-- Customize layout sections --}}
  4
  5   @section('subtitle', 'Kategori')
  6   @section('content_header_title', 'Home')
  7   @section('content_header_subtitle', 'Kagegori')
  8
  9   @section('content')
 10       <div class="container">
 11           <div class="card">
 12               <div class="card-header d-flex justify-content-between align-items-center">
 13                   <span>Manage Kategori</span>
 14               </div>
 15               <div class="card-body">
 16                   {{ $dataTable->table() }}
 17                   <a href="{{ route('kategori.create') }}" class="btn btn-primary">+ Add Kategori</a>
 18               </div>
 19           </div>
 20       </div>
 21   @endsection
 22
 23   @push('scripts')
 24       {{ $dataTable->scripts() }}
 25   @endpush
```

```
Route::get('/kategori/create', [KategoriController::class, 'create'])->name('kategori.create');
```

Home > Kagegori

Manage Kategori				
10 ∨ entries per page				Search:
Kategori Id	**Kategori Kode**	**Kategori Nama**	**Created At**	**Updated At**
9	SPT	Sepatu	2025-03-09T10:30:00.000000Z	
8	SNK	Camilan	2025-03-03T09:16:55.000000Z	
11	KDN	Kendaraan	2025-03-17T08:32:40.000000Z	2025-03-17T08:32:40.000000Z
5	KAT005	Perabotan Pecah Belah		
4	KAT004	Minuman		
3	KAT003	Meubel		
2	KAT002	Elektronik		
1	KAT001	Makanan		
10	BJU	Baju	2025-03-09T13:01:39.000000Z	

Showing 1 to 9 of 9 entries

« ‹ 1 › »

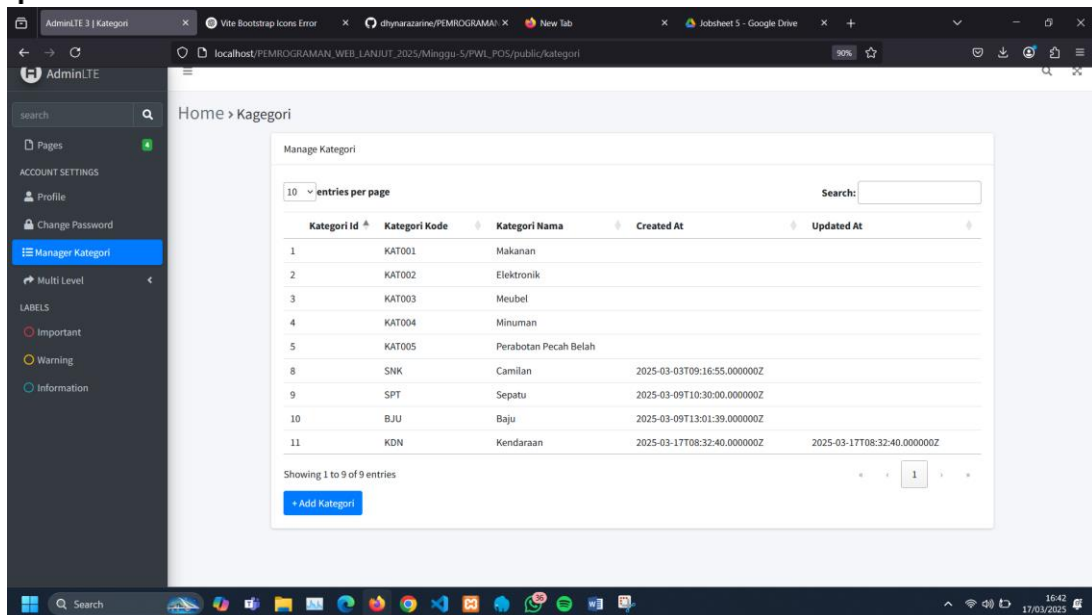+ Add Kategori

  2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

```
313          // Sidebar items:
314          [
315              'type' => 'sidebar-menu-search',
316              'text' => 'search',
317          ],
318          [
319              'text' => 'blog',
320              'url'  => 'admin/blog',
321              'can'  => 'manage-blog',
322          ],
323          [
324              'text' => 'pages',
325              'url'  => 'admin/pages',
326              'icon' => 'far fa-fw fa-file',
327              'label' => 4,
328              'label_color' => 'success',
329          ],
330          ['header' => 'account_settings'],
331          [
332              'text' => 'profile',
333              'url'  => 'admin/settings',
334              'icon' => 'fas fa-fw fa-user',
335          ],
336          [
337              'text' => 'change_password',
338              'url'  => 'admin/settings',
339              'icon' => 'fas fa-fw fa-lock',
340          ],
341          [
342              'text' => 'Manager Kategori',
343              'url'  => 'kategori',
344              'icon' => 'fas fa-list', // menu akan muncul di side bar items
345          ],
```

```
Route::resource('kategori', KategoriController::class);
```


3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya
   - KategoriDataTable

```
23          return (new EloquentDataTable($query))
24          ->addColumn('action', function ($id) {
25              $edit = route('kategori.edit', $id);
26              return '<a href='   . $edit . '"class ="btn btn-warning btn-sm">Edit</a>';
27          })
28              ->setRowId('id');
29      }
78                  Column::computed('action')
79                      -> exportable(false)
80                      -> printable(false)
81                      -> width(100)
82                      -> addClass('text-center')
83              ];
```

- KategoriController

```
10      public function index(KategoriDataTable $dataTable)
11      {
12          return $dataTable->render('kategori.index');
13      }
14
15      public function create()
16      {
17          return view('kategori.create');
18      }
19
20      public function store(Request $request)
21      {
22          KategoriModel::create([
23              'kategori_kode' => $request->kodeKategori,
24              'kategori_nama' => $request->namaKategori,
25          ]);
26
27          return redirect('/kategori');
28      }
29
30      public function edit($id)
31  {
32      $data = KategoriModel::find($id);
33      return view('kategori.edit', ['kategori' => $data]);
34  }
35
36  public function update(Request $request, $id)
37  {
38      KategoriModel::where('kategori_id', $id)->update([
39          'kategori_kode' => $request->kodeKategori,
40          'kategori_nama' => $request->namaKategori,
41      ]);
42
43      return redirect()->route('kategori.index')->with('success', 'Kategori berhasil diperbarui');
44
45  }
```

- Edit.blade

```
1   @extends('layouts.app')
2
3   @section('content')
4       <div class="container-fluid">
5           <div class="row">
6               <div class="col-md-12">
7                   <div class="card card-primary">
8                       <div class="card-header">
9                           <h3 class="card-title">Edit kategori</h3>
10                      </div>
11                      <form action="{{ route('kategori.update', $kategori->kategori_id) }}" method="POST">
12                          @csrf
13                          @method('PUT')
14                          <div class="card-body">
15                              <div class="form-group">
16                                  <label for="kodeKategori">Kode Kategori</label>
17                                  <input type="text" class="form-control" name="kodeKategori" id="kodeKategori"
18                                      value="{{ $kategori->kategori_kode }}">
19                              </div>
20                              <div class="form-group">
21                                  <label for="namaKategori">Nama Kategori</label>
22                                  <input type="text" class="form-control" name="namaKategori" id="namaKategori"
23                                      value="{{ $kategori->kategori_nama }}">
24                              </div>
25                          </div>
26                          <div class="card-footer">
27                              <button type="submit" class="btn btn-primary">Simpan</button>
28                          </div>
29                      </form>
30                  </div>
31              </div>
32          </div>
33      </div>
34  @endsection
```

- Web.php

```php
Route::get('/kategori/edit/{id}', [KategoriController::class, 'edit'])->name('kategori.edit');
Route::put('/kategori/{id}', [KategoriController::class, 'update'])->name('kategori.update');
```

- Hasil

Home > Kagegori

Manage Kategori

10 entries per page   Search: [   ]

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	KAT001	Makanan			Edit
2	KAT002	Elektronik			Edit
3	KAT003	Meubel			Edit
4	KAT004	Minuman			Edit
5	KAT005	Perabotan Pecah Belah			Edit
8	SNK	Camilan	2025-03-03T09:16:55.000000Z		Edit
9	SPTU	Sepatu	2025-03-09T10:30:00.000000Z	2025-03-17T09:55:37.000000Z	Edit
10	BJU	Baju	2025-03-09T13:01:39.000000Z		Edit
11	KDN	Kendaraan	2025-03-17T08:32:40.000000Z	2025-03-17T08:32:40.000000Z	Edit

Showing 1 to 9 of 9 entries   « ‹ 1 › »

+ Add Kategori

- Perubahan setelah diedit

4. Tambahkan action delete di datatables serta controllernya
   - KategoriDataTable

```
26              $delete = route('kategori.delete', $id);
27
28              return '<div style="display: flex; gap: 5px;">
29                  <a href="' . $edit . '" class="btn btn-warning btn-sm">Edit</a>
30                  <a href="' . $delete . '" class="btn btn-danger btn-sm btn-delete">Delete</a>
31              </div>';
32          })
33          ->setRowId('id');
34      }
```

   - KategoriController

```
47      public function delete($id)
48      {
49          KategoriModel::where('kategori_id', $id)->delete();
50          return redirect('/kategori');
51      }
52  }
```

   - Web.php

```
Route::get('/kategori/delete/{id}', [KategoriController::class, 'delete'])->name('kategori.delete');
```

   - Hasil sebelum dihapus

Home > Kagegori

Manage Kategori

10 ∨ entries per page					Search:
Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	KAT001	Makanan			Edit Delete
2	KAT002	Elektronik			Edit Delete
3	KAT003	Meubel			Edit Delete
4	KAT004	Minuman			Edit Delete
5	KAT005	Perabotan Pecah Belah			Edit Delete
8	SNK	Camilan	2025-03-03T09:16:55.000000Z		Edit Delete
9	SPTU	Sepatu	2025-03-09T10:30:00.000000Z	2025-03-17T09:55:37.000000Z	Edit Delete
10	BJU	Baju	2025-03-09T13:01:39.000000Z		Edit Delete
11	KDRN	Kendaraan	2025-03-17T08:32:40.000000Z	2025-03-17T10:04:37.000000Z	Edit Delete

Showing 1 to 9 of 9 entries   « ‹ 1 › »

+ Add Kategori

- Hasil sesudah dihapus

Home > Kagegori

Manage Kategori

10 ∨ entries per page					Search:
Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	KAT001	Makanan			Edit Delete
2	KAT002	Elektronik			Edit Delete
3	KAT003	Meubel			Edit Delete
4	KAT004	Minuman			Edit Delete
5	KAT005	Perabotan Pecah Belah			Edit Delete
8	SNK	Camilan	2025-03-03T09:16:55.000000Z		Edit Delete
9	SPTU	Sepatu	2025-03-09T10:30:00.000000Z	2025-03-17T09:55:37.000000Z	Edit Delete
10	BJU	Baju	2025-03-09T13:01:39.000000Z		Edit Delete

Showing 1 to 8 of 8 entries   « ‹ 1 › »

+ Add Kategori