

JOBSHEET 5

LAPORAN TUGAS

**Diajukan untuk Memenuhi Tugas
Pemograman Web Lanjut**

Jurusan:

TEKNOLOGI INFORMASI

Program Studi:

TEKNIK INFORMATIKA

Disusun oleh

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**POLITEKNIK NEGERI MALANG
TEKNIK INFORMATIKA**

2023



Mata Kuliah : Pemrograman Web Lanjut (PWL)
Program Studi : D4 – Teknik Informatika / D4 – Sistem Informasi Bisnis
Semester : 4 (empat) / 6 (enam)
Pertemuan ke- : 5 (satu)

JOBSHEET 05

Blade View, Web Templating (AdminLTE), Datatables

Praktikum 1 – Integrasi Laravel dengan AdminLTE3

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.

`composer require jeroennoten/laravel-adminlte`

```
PS C:\laragon\www\PWL_POS> composer require jeroennoten/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 (v3.11.0)
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 (v3.11.0)
  - Installing almasaeed2010/adminlte (v3.2.0): Extracting archive
  - Installing jeroennoten/laravel-adminlte (v3.11.0): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

jeroennoten/laravel-adminlte ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

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

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

No security vulnerability advisories found.
Using version ^3.11 for jeroennoten/laravel-adminlte
PS C:\laragon\www\PWL_POS>
```



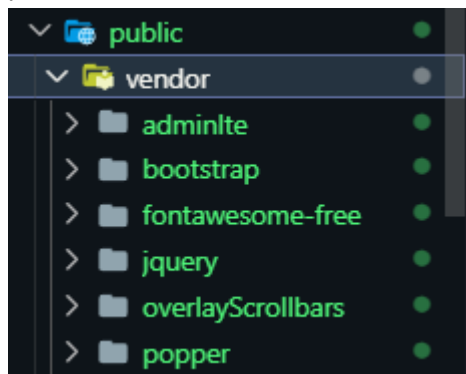
2. Melakukan instalasi requirement project di atas dengan command berikut: `php artisan adminlte:install`

`adminlte:install`

```
PS C:\laragon\www\PWL_POS> php artisan adminlte:install
Basic assets installed successfully.
Configuration file installed successfully.
Translation files installed successfully.
The installation is complete.
PS C:\laragon\www\PWL_POS>
```

Perintah di atas akan meng-install:

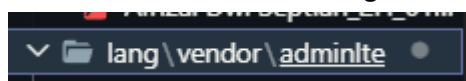
- **AdminLTE distribution files** dan dependensinya (Bootstrap, jQuery, etc.) dalam folder `public/vendor`.



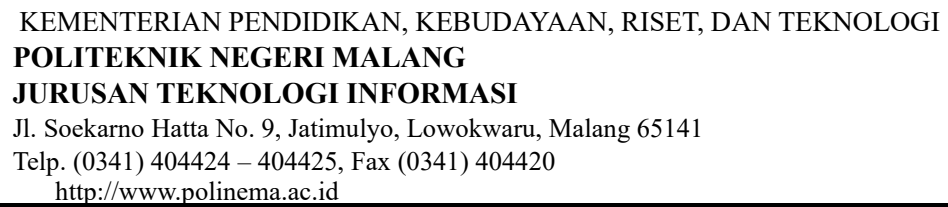
- Konfigurasi package di file `config/adminlte.php`



- Paket translasi di folder `lang/vendor/adminlte/`



- Dalam `composer.json` akan otomatis ditambahkan require untuk `laravel-adminlte`



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

```

@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')
        <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/Query 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;

```



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

```
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
```

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

{{-- Customize layout sections --}}
@section('subtitle', 'Welcome')
@section('content_header_title', 'Home')
@section('content_header_subtitle', 'Welcome')

{{-- Content body: main page content --}}
@section('content_body')
    <p>Welcome to this beautiful admin panel.</p>
@stop

{{-- Push extra CSS --}}
@push('css')
    {{-- Add any additional stylesheets here --}}
    <link rel="stylesheet" href="/css/admin_custom.css">
@endpush

{{-- Push extra scripts --}}
@push('js')
    <script>console.log("Hi, I'm using the Laravel-AdminLTE package!");</script>
@endpush
```



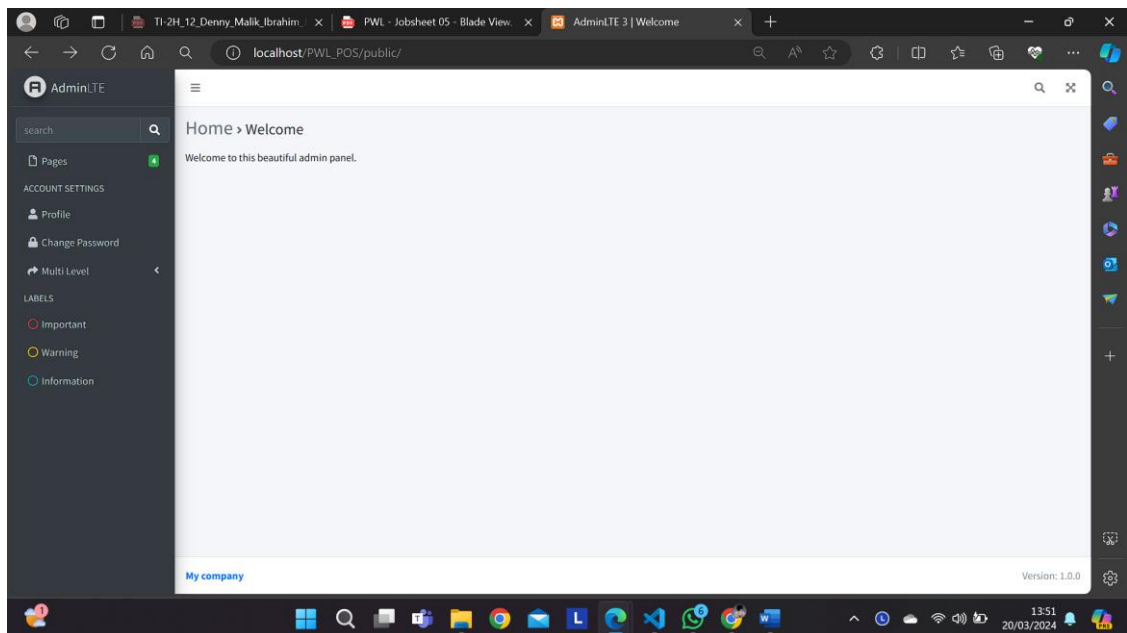
Untuk menggunakan blade template ini cukup dengan extend **AdminLTE layout** dengan cara `@extends('adminlte::page')`.

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.

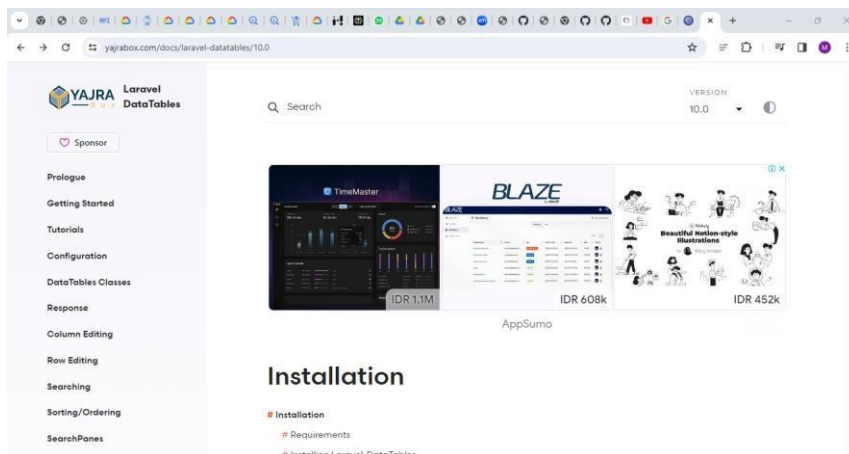




Praktikum 2 – Integrasi dengan DataTables

Datatables biasa digunakan untuk menampilkan list data dengan banyak fitur seperti searching, pagination, sorting dan lain-lainnya. Dalam laravel biasa digunakan yajra datatables karena didesain agar sesuai dengan laravel.

<https://yajrabox.com/docs/laravel-datatables/10.0>



Berikut langkah-langkah praktikum

1. Install Laravel DataTables

`composer require laravel/ui --dev`

```
PS C:\laragon\www\PWL_POS> composer require laravel/ui --dev
./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 (v4.5.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Downloading laravel/ui (v4.5.0)
- Installing laravel/ui (v4.5.0): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

jeroennoten/laravel-adminlte ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
laravel/ui ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

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

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

No security vulnerability advisories found.
Using version ^4.5 for laravel/ui
PS C:\laragon\www\PWL_POS>
```




`composer require yajra/laravel-datatables:^10.0`

```
PS C:\laragon\www\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 (v0.20.1)
- 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)
- Downloading yajra/laravel-datatables-html (v10.12.0)
- Downloading league/fractal (v0.20.1)
- Downloading yajra/laravel-datatables-fractal (v10.0.0)
- Downloading yajra/laravel-datatables-editor (v1.25.4)
- Downloading yajra/laravel-datatables-buttons (v10.0.9)
- Downloading yajra/laravel-datatables (v10.0.0)
- Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
- Installing yajra/laravel-datatables-html (v10.12.0): Extracting archive
- Installing league/fractal (v0.20.1): 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
```

2. Pastikan nodejs sudah terinstall, dengan perintah `npm -v`.

```
PS C:\laragon\www\PWL_POS> npm -v
8.5.0
```

Jika belum install nodejs package manager dari

<https://nodejs.org/dist/v20.11.1/nodev20.11.1-x64.msi>

Npm digunakan untuk manajemen package javascript.

3. Install Laravel DataTables Vite dan sass `npm i laravel-datatables-vite --save-dev`

```
PS C:\laragon\www\PWL_POS> npm i laravel-datatables-vite --save-dev
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'laravel-vite-plugin@1.0.2',
npm WARN EBADENGINE   required: { node: '18.0.0 || >=20.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'rollup@4.12.1',
npm WARN EBADENGINE   required: { node: '18.0.0', npm: '8.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'vite@5.1.5',
npm WARN EBADENGINE   required: { node: '18.0.0 || >=20.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }

added 11 packages, and audited 34 packages in 7s

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

1 moderate severity vulnerability

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
PS C:\laragon\www\PWL_POS>
```




`npm install -D sass`

```
PS C:\laragon\www\PWL_POS> npm install -D sass
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'laravel-vite-plugin@1.0.2',
npm WARN EBADENGINE   required: { node: '^18.0.0 || >=20.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'rollup@4.12.1',
npm WARN EBADENGINE   required: { node: '>=18.0.0', npm: '>=8.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'vite@5.1.5',
npm WARN EBADENGINE   required: { node: '^18.0.0 || >=20.0.0' },
npm WARN EBADENGINE   current: { node: 'v16.14.2', npm: '8.5.0' }
npm WARN EBADENGINE }

added 15 packages, and audited 49 packages in 2s

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

1 moderate severity vulnerability

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
PS C:\laragon\www\PWL_POS>
```

4. Edit file resources/js/app.js

```
resources > js > js app.js
1  import './bootstrap';
2  import "../sass/app.scss";
3  import 'laravel-datatables-vite';
4
```

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

5. Buatlah file resources/sass/app.scss

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



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

6. Jalankan dengan `npm run dev`

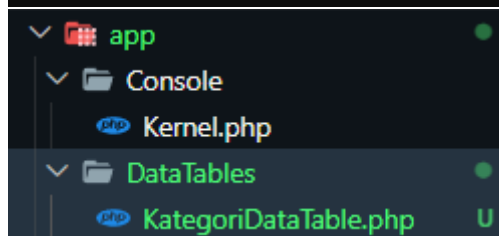
```
C:\laragon\www\pwl_pos>npm run dev
> dev
> vite

VITE v5.1.5 ready in 250 ms
  → Local:   http://localhost:5173/
  → Network: use --host to expose
  → press h + enter to show help

LARAVEL v10.46.0 plugin v1.0.2
  → APP_URL: http://localhost
```

7. Selanjutnya kita akan buat datatables untuk kategori `php artisan datatables:make Kategori`

```
C:\laragon\www\pwl_pos>php artisan datatables:make Kategori
INFO DataTable [C:\laragon\www\pwl_pos\app\DataTables\KategoriDataTable.php] created successfully.
```





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

`<?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();
        }

        /**
         * 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

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

```
PS C:\laragon\www\PWL_POS> php artisan make:model KategoriModel
```

```
INFO Model [C:\laragon\www\PWL_POS\app\Models\KategoriModel.php] created successfully.
```

```
PS C:\laragon\www\PWL_POS>
```

```
app > Models > KategoriModel.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Model;
6  use Illuminate\Database\Eloquent\Relations\HasMany;
7
8  class KategoriModel extends Model
9  {
10     protected $table = 'm_kategori';
11     protected $primaryKey = 'kategori_id';
12
13     protected $fillable = ['kategori_kode', 'kategori_nama'];
14
15     public function barang(): HasMany
16     {
17         return $this->hasMany(related: BarangModel::class, foreignKey: 'barang_id', localKey: 'barang_id');
18     }
19
20 }
```



10. Ubah Kategori Controller sesuaikan dengan skrip berikut:

```
app > Http > Controllers > KategoriController.php > KategoriController > index
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 }
```

```
app > Http > Controllers > KategoriController.php > KategoriController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\DataTables\KategoriDataTable;
7
8
9  class KategoriController extends Controller
10 {
11     public function index(KategoriDataTable $dataTable)
12     {
13         return $dataTable->render(view: 'kategori.index');
14     }
15 }
16
17
18
```

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



```
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', 'Kategori')
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
23
24
```

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

12. Pastikan route untuk kategori sudah tersedia

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



13. Sesuaikan app layout seperti kode berikut

```
@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
```



```
resources > views > layouts > app.blade.php > style
1  @extends('adminlte::page')
2
3  {{-- Extend and customize the browser title --}}
4
5  @section('title')
6      {{ config('adminlte.title') }}
7      @hasSection('subtitle') | @yield('subtitle') @endif
8  @stop
9
10 @vite('resources/js/app.js')
11
12 {{-- Extend and customize the page content header --}}
13
14 @section('content_header')
15     @hasSection('content_header_title')
16         <h1 class="text-muted">
17             @yield('content_header_title')
18
19             @hasSection('content_header_subtitle')
20                 <small class="text-dark">
21                     <i class="fas fa-xs fa-angle-right text-muted"></i>
22                     @yield('content_header_subtitle')
23                 </small>
24             @endif
25         </h1>
26     @endif
27 @stop
28
29 {{-- Rename section content to content_body --}}
30
31 @section('content')
32     @yield('content_body')
33 @stop
34
35
36 {{-- Create a common footer --}}
37
38 @section('footer')
39     <div class="float-right">
40         Version: {{ config('app.version', '1.0.0') }}
41     </div>
42
43     <strong>
44         <a href="{{ config('app.company_url', '#') }}">
```

14. Menset ViteJs / script type defaults



```
app > Providers > AppServiceProvider.php > AppServiceProvider > boot
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 }
```




```
app > Providers > AppServiceProvider.php > AppServiceProvider > boot
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

pwl_pos.m_kategori: 2 rows total (approximately)

kategori_id	kategori_kode	kategori_nama	created_at	updated_at
1	CML	Cemilan	2024-03-09 10:30:00	(NULL)
2	MNR	Minuman Ringan	2024-03-09 13:01:39	(NULL)

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	KTG01	Peralatan Rumah Tangga	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	KTG02	Makanan	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	KTG03	Minuman	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	KTG04	Peralatan Bayi	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	5	KTG05	Produk Kecantikan	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	7	CML	Cemilan	2024-03-27 04:02:04	2024-03-27 04:02:04
<input type="checkbox"/>	Edit Copy Delete	9	MNR	Minuman Ringan	2024-03-27 04:02:04	2024-03-27 04:02:04



16. Databbles sudah dapat di load di </kategori>

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
7	CML	Cemilan	2024-03-27T04:02:04.000000Z	2024-03-27T04:02:04.000000Z
9	MNR	Minuman Ringan	2024-03-27T04:02:04.000000Z	2024-03-27T04:02:04.000000Z
1	KTG01	Peralatan Rumah Tangga		
2	KTG02	Makanan		
3	KTG03	Minuman		
4	KTG04	Peralatan Bayi		
5	KTG05	Produk Kecantikan		

Praktikum 3 – Membuat form kemudian menyimpan data dalam database

Langkah-langkahnya adalah sebagai berikut:

1. Menyesuaikan routing, tambahkan dua routing berikut

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

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



2. Tambahkan dua function berikut dalam KategoriController

```
app > Http > Controllers > KategoriController.php > KategoriController > store
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 }
29
```



```
app > Http > Controllers > KategoriController.php > KategoriController > store
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\DataTables\KategoriDataTable;
7  use APP\Models\KategoriModel;
8
9
10 class KategoriController extends Controller
11 {
12     public function index(KategoriDataTable $dataTable)
13     {
14         return $dataTable->render( view: 'kategori.index');
15     }
16
17     public function create()
18     {
19         return view( view: 'kategori.create');
20     }
21
22     public function store (Request $request)
23     {
24         KategoriModel::create([
25             'kategori_kode' => $request->kodeKategori,
26             'kategori_nama' => $request->namaKategori,
27         ]);
28         return redirect( to: '/kategori');
29     }
30 }
31
32
33
34
35
```

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



```
resources > views > kategori > create.blade.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" placeholder="">
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" placeholder="">
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     </div>
32 @endsection
```

```
resources > views > kategori > create.blade.php > ...
1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4  @section('subtitle', 'Kategori')
5  @section('content_header_title', 'Kategori')
6  @section('content_header_subtitle', 'Create')
7
8  {{-- Content body: main page content --}}
9  @section('content')
10     <div class="container">
11         <div class="card card-primary">
12             <div class="card-header">
13                 <h3 class="card-title">Buat kategori baru</h3>
14             </div>
15
16             <form method="post" action=" ../kategori">
17                 <div class="card-body">
18                     <div class="form-group">
19                         <label for="kodeKategori">Kode Kategori</label>
20                         <input type="text" class="form-control" id="kodeKategori" name="kodeKategori" placeholder="">
21                     </div>
22                     <div class="form-group">
23                         <label for="namaKategori">Nama Kategori</label>
24                         <input type="text" class="form-control" id="namaKategori" name="namaKategori" placeholder="">
25                     </div>
26                 </div>
27
28                 <div class="card-footer">
29                     <button type="submit" class="btn btn-primary">Submit</button>
30                 </div>
31             </form>
32         </div>
33     </div>
34 @endsection
35
```



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

```
app > Http > Middleware > VerifyCsrfToken.php > VerifyCsrfToken > $except
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 }
18
```

```
app > Http > Middleware > VerifyCsrfToken.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

The screenshot shows the 'Kategori > Create' page in AdminLTE 3. The left sidebar contains a search bar, 'Pages' (4), 'ACCOUNT SETTINGS' (Profile, Change Password, Multi Level), and 'LABELS' (Important, Warning, Information). The main content area has a blue header 'Buat kategori baru'. Below it are two input fields: 'Kode Kategori' with a placeholder 'untuk makanan, contoh: MKN' and 'Nama Kategori' with a placeholder 'Nama'. A blue 'Submit' button is at the bottom.

This is another screenshot of the 'Kategori > Create' page, showing the same form as above. The 'Kode Kategori' field is empty, and the 'Nama Kategori' field contains the text 'Nama'. The 'Submit' button is still present.



6. Halaman kategori

The screenshot shows the 'Kategori' page in AdminLTE 3. The page has a dark sidebar with navigation links: Pages (4), ACCOUNT SETTINGS (Profile, Change Password, Multi Level), and LABELS (Important, Warning, Information). The main content area is titled 'Home > Kategori' and contains a 'Manage Kategori' section. It features a table with 5 columns: Kategori Id, Kategori Kode, Kategori Nama, Created At, and Updated At. The table displays 3 entries. Below the table, it says 'Showing 1 to 3 of 3 entries' and has 'Previous', '1', and 'Next' pagination links.

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
3	SPT	Sepatu	2024-03-09T07:55:38.000000Z	2024-03-09T07:55:38.000000Z
2	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	
1	CML	Cemilan	2024-03-09T10:30:00.000000Z	

The screenshot shows the 'Kategori' page in AdminLTE 3, displaying a table with 7 entries. The sidebar and navigation are the same as in the previous screenshot. The 'Manage Kategori' section shows a table with 5 columns: Kategori Id, Kategori Kode, Kategori Nama, Created At, and Updated At. The table displays 7 entries. Below the table, it says 'Showing 1 to 7 of 7 entries' and has 'Previous', '1', and 'Next' pagination links.

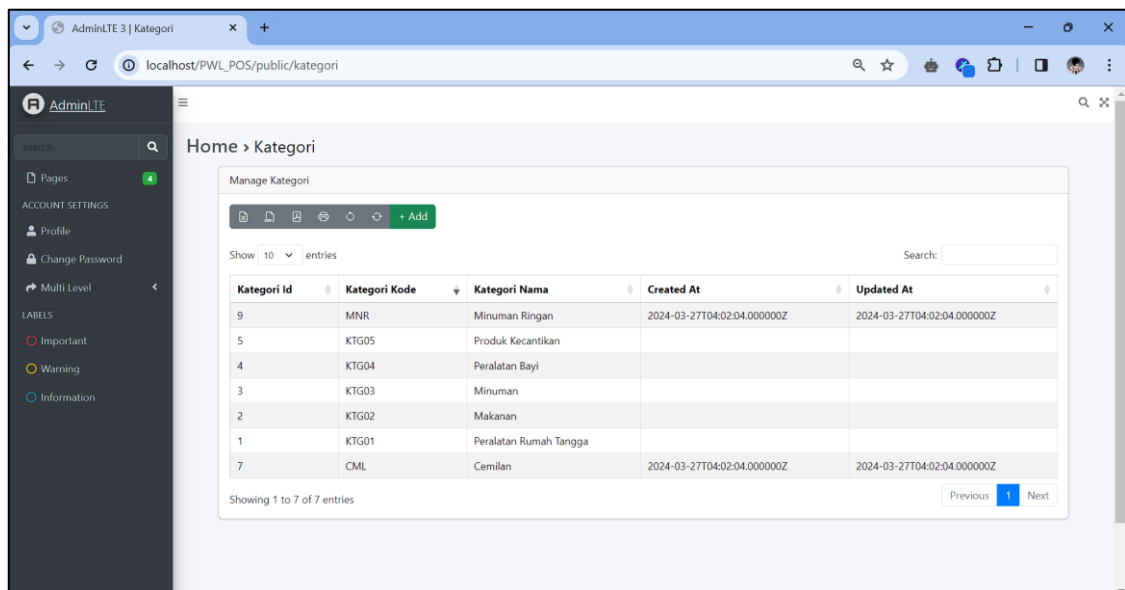
Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
9	MNR	Minuman Ringan	2024-03-27T04:02:04.000000Z	2024-03-27T04:02:04.000000Z
5	KTG05	Produk Kecantikan		
4	KTG04	Peralatan Bayi		
3	KTG03	Minuman		
2	KTG02	Makanan		
1	KTG01	Peralatan Rumah Tangga		
7	CML	Cemilan	2024-03-27T04:02:04.000000Z	2024-03-27T04:02:04.000000Z

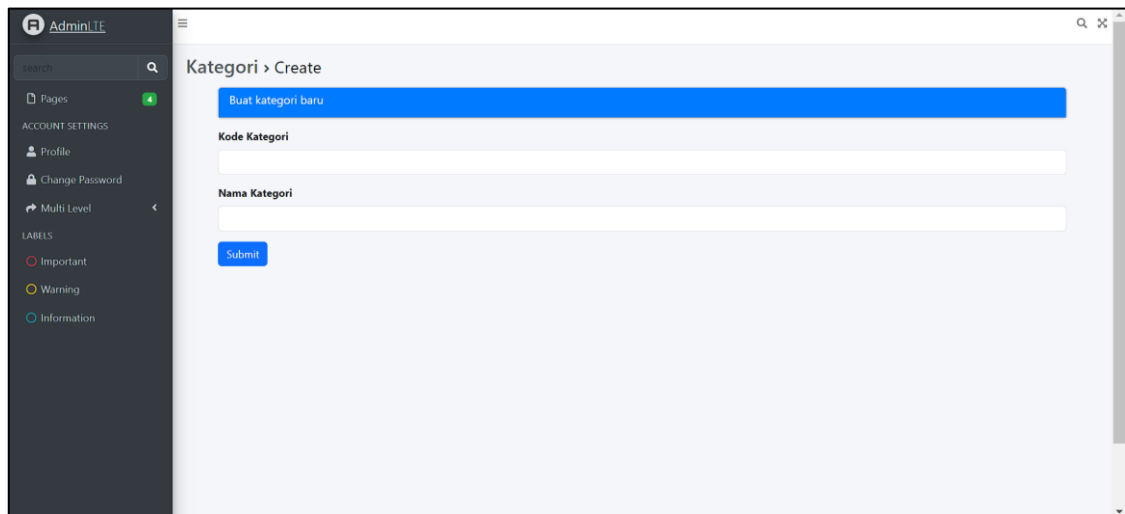


Tugas Praktikum

1. Tambahkan button Add di dalam manage kategori, yang mengarah ke create kategori baru

```
*/ public function html(): HtmlBuilder
{
    return $this->builder()
        ->setTableId( id: 'kategori-table')
        ->columns( columns: $this->getColumns())
        ->minifiedAjax()
        // ->dom( 'Bfrrtip')
        ->orderBy( index: 1)
        ->selectStyleSingle()
        ->buttons( buttons[0]: [
            Button::make( options: 'excel'),
            Button::make( options: 'csv'),
            Button::make( options: 'pdf'),
            Button::make( options: 'print'),
            Button::make( options: 'reset'),
            Button::make( options: 'reload'),
            Button::make( options: 'add')->text( value: ' + Add'),
        ]);
}
```





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

```
[  
  'text' => 'Manage Kategori',  
  'url' => '/kategori',  
  'icon' => 'fas fa folder',  
  'label_color' => 'success',  
],
```



The screenshot shows the AdminLTE interface. On the left is a sidebar with navigation links: Pages (4), Manage Kategori (active), ACCOUNT SETTINGS (Profile, Change Password, Multi Level), and LABELS (Important, Warning, Information). The main content area is titled 'Home > Kategori' and contains a 'Manage Kategori' section. This section has a toolbar with icons for add, edit, delete, and a '+ Add' button. Below the toolbar is a 'Show 10 entries' dropdown. The main part is a table with 3 columns: Kategori Id, Kategori Kode, and Kategori Nama. It contains 6 rows of data.

Kategori Id	Kategori Kode	Kategori Nama
10	mkr	makanan ringan
5	KTG05	Produk Kecantikan
4	KTG04	Peralatan Bayi
3	KTG03	Minuman
2	KTG02	Makanan
1	KTG01	Peralatan Rumah Tangga

Showing 1 to 6 of 6 entries

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

```
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))

        ->setRowId('id')
        ->addColumn('action', function ($row) {
            return '<a href="/PWL_POS/public/kategori/edit/' . $row->kategori_id . '" class="btn btn-warning">Edit</a>';
        });
}

/**
 * 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'),
        Column::make('action'),
    ];
}
```



```
class KategoriController extends Controller
{
    public function index(KategoriDataTable $dataTable)
    {
        return $dataTable->render(view: 'kategori.index');
    }

    public function create()
    {
        return view(view: 'kategori.create');
    }

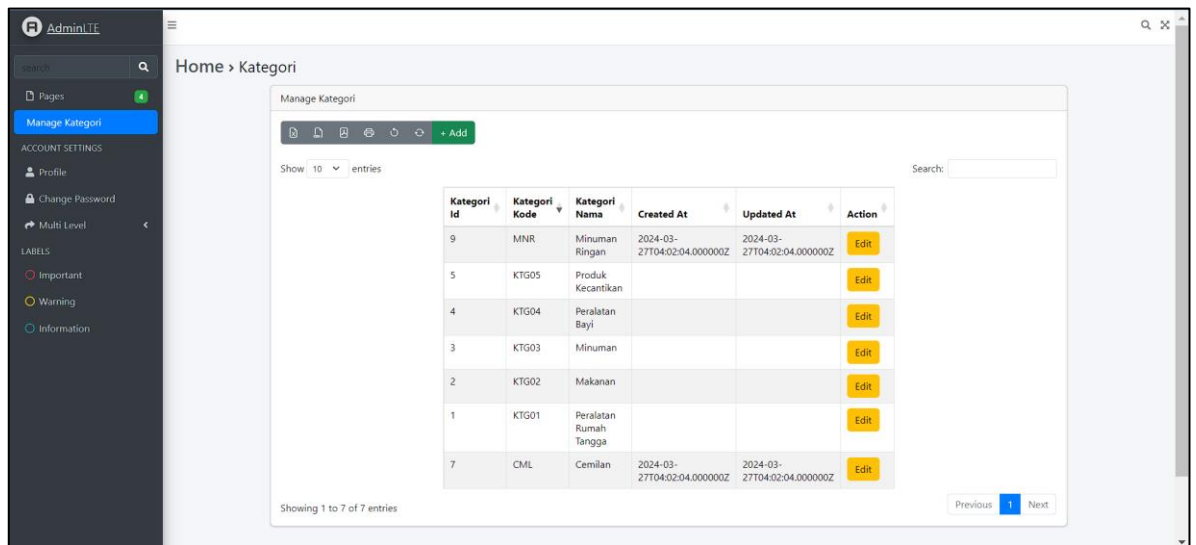
    public function store(Request $request)
    {
        KategoriModel::create([
            'kategori_kode' => $request->kategori_kode,
            'kategori_nama' => $request->kategori_nama,
        ]);
        return redirect(to: '/kategori');
    }

    public function edit($id){
        $kategori = KategoriModel::find($id);
        return view(view: 'kategori.edit', data: ['data' => $kategori]);
    }

    public function update(Request $request, $id){
        $kategori = KategoriModel::find($id);
        $kategori->kategori_kode = $request->kategori_kode;
        $kategori->kategori_nama = $request->kategori_nama;
        $kategori->save();
        return redirect(to: '/kategori');
    }
}
```

```
resources > views > kategori > edit.blade.php > ...
1 @extends('layouts.app')
2
3 @section('subtitle', 'Edit Kategori')
4 @section('content_header_title', 'Kategori')
5 @section('content_header_subtitle', 'Edit')
6
7 @section('content')
8     <div class="container">
9         <div class="card">
10             <div class="card-header">Edit Kategori</div>
11             <div class="card-body">
12                 <form action="{{ url('/kategori/update', $data->kategori_id) }}" method="POST">
13                     @csrf
14                     @method('PUT')
15
16                     <div class="form-group">
17                         <label for="kategori_id">Kategori ID</label>
18                         <input type="text" class="form-control" id="kategori_id" name="kategori_id" value="{{ $data->kategori_id }}" disabled>
19                     </div>
20
21                     <div class="form-group">
22                         <label for="kategori_kode">Kategori Kode</label>
23                         <input type="text" class="form-control" id="kategori_kode" name="kategori_kode" value="{{ $data->kategori_kode }}">
24                     </div>
25
26                     <div class="form-group">
27                         <label for="kategori_nama">Kategori Nama</label>
28                         <input type="text" class="form-control" id="kategori_nama" name="kategori_nama" value="{{ $data->kategori_nama }}">
29                     </div>
30
31                     <a class="btn btn-danger" href="{{ url('/kategori') }}">Kembali</a>
32                     <button type="submit" class="btn btn-primary">Update</button>
33                 </form>
34             </div>
35         </div>
36     </div>
37 @endsection
```

```
Route::get(uri: '/kategori/edit/{id}', action: [KategoriController::class, 'edit']);
Route::put(uri: '/kategori/update/{id}', action: [KategoriController::class, 'kategori.update']);
```



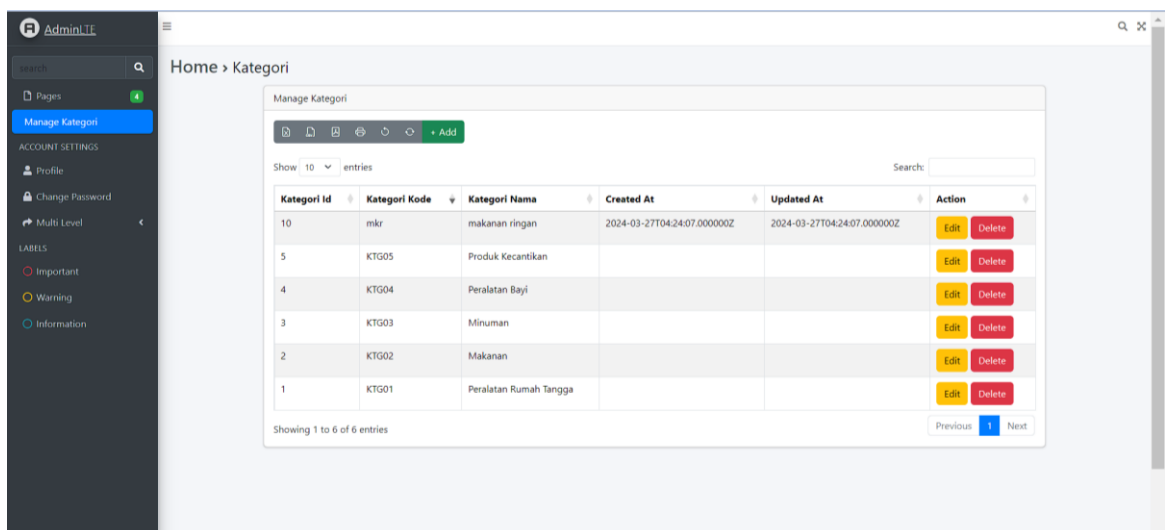
4. Tambahkan action delete di datatables serta controllernya

```
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable(model: $query))

    ->setRowId(content: 'id')
    ->addColumn(name: 'action', content: function ($row) {
        return '<a href="kategori/edit/" . $row->kategori_id. "'class="btn btn-warning ">Edit</a>
        <a href="kategori/delete/" . $row->kategori_id. "'class="btn btn-danger ">Delete</a>';
    });
}
```

```
public function delete($id)
{
    KategoriModel::find($id)->delete();
    return redirect(to: '/kategori');
}
```

```
Route::get(uri: '/kategori/delete/{id}', action: [KategoriController::class, 'delete']);
```





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