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## 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

```
C:\Windows\System32\cmd.exe x + v
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\laragon\www\P1\Minggu 5\PWL_POS>composer require jeroennoten/laravel-adminlte

Warning: Module "pdo_mysql" is already loaded in Unknown on line 0
./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)
  - Installing almasaeed2010/adminlte (v3.2.0): Extracting archive
  - Installing jeroennoten/laravel-adminlte (v3.15.0): Extracting archive
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
```

```
C:\Windows\System32\cmd.exe x + v
Warning: Module "pdo_mysql" is already loaded in Unknown on line 0

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

82 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

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

Found 1 security vulnerability advisory affecting 1 package.
Run "composer audit" for a full list of advisories.
Using version "3.15" for jeroennoten/laravel-adminlte

C:\laragon\www\P1\Minggu 5\PWL_POS>c
'c' is not recognized as an internal or external command,
operable program or batch file.

C:\laragon\www\P1\Minggu 5\PWL_POS>
```

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

php artisan adminlte:install



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```
C:\laragon\www\P1\Minggu 5\PWL_POS>
C:\laragon\www\P1\Minggu 5\PWL_POS>php artisan adminlte:install

Warning: Module "pdo_mysql" is already loaded in Unknown on line 0
AdminLTE assets files published successfully
Configuration file published successfully
Translation files published successfully
The installation is complete.

C:\laragon\www\P1\Minggu 5\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

```
Minggu 5 > PWL_POS > {} composer.json > ...
1  {
2      "name": "laravel/laravel",
3      "type": "project",
4      "description": "The skeleton application for the Laravel framework.",
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     },
15     "require-dev": {
16         "fakerphp/faker": "^1.9.1",
17         "laravel/pint": "^1.0",
18         "laravel/sail": "^1.18",
19         "mockery/mockery": "^1.4.4",
20         "nunomaduro/collision": "^7.0",
21         "phpunit/phpunit": "^10.1",
22         "spatie/laravel-ignition": "^2.0"
23     },
24     "autoload": {
25         "psr-4": {
26             "App\\": "app/",
27             "Database\\Factories\\": "database/factories/",
28             "Database\\Seeders\\": "database/seeders/"
29         }
30     },
31     "autoload-dev": {
32         "psr-4": {
33             "Tests\\": "tests/"
34         }
35     },
36     "scripts": {
37         "post-autoload-dump": [
38             "Illuminate\\Foundation\\ComposerScripts::postAutoloadDump",
39             "@php artisan package:discover --ansi"
40         ],
41         "post-update-cmd": [
42             "@php artisan vendor:publish --tag=laravel-assets --ansi --force"
43         ],
44         "post-root-package-install": [
45             "@php -r \"file_exists('.env') || copy('.env.example', '.env');\""
46         ]
47     }
48 }
```



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

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

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

```
PWL_POS > resources > views > welcome.blade.php > ...
1 @extends (view: 'layouts.app')
2
3 {{-- Customize layout section --}}
4
5 @section(section: 'subtitle', content: 'Welcome')
6 @section(section: 'content_header_title', content: 'Home')
7 @section(section: 'content_header_subtitle', content: 'Welcome')
8
9 {{-- Content body main page content --}}
10
11 @section(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 script --}}
23 @push('js')
24     <script>console.log ("Hi, im using the Laravel-AdminLTE package! ");</script>
25 @endpush
```



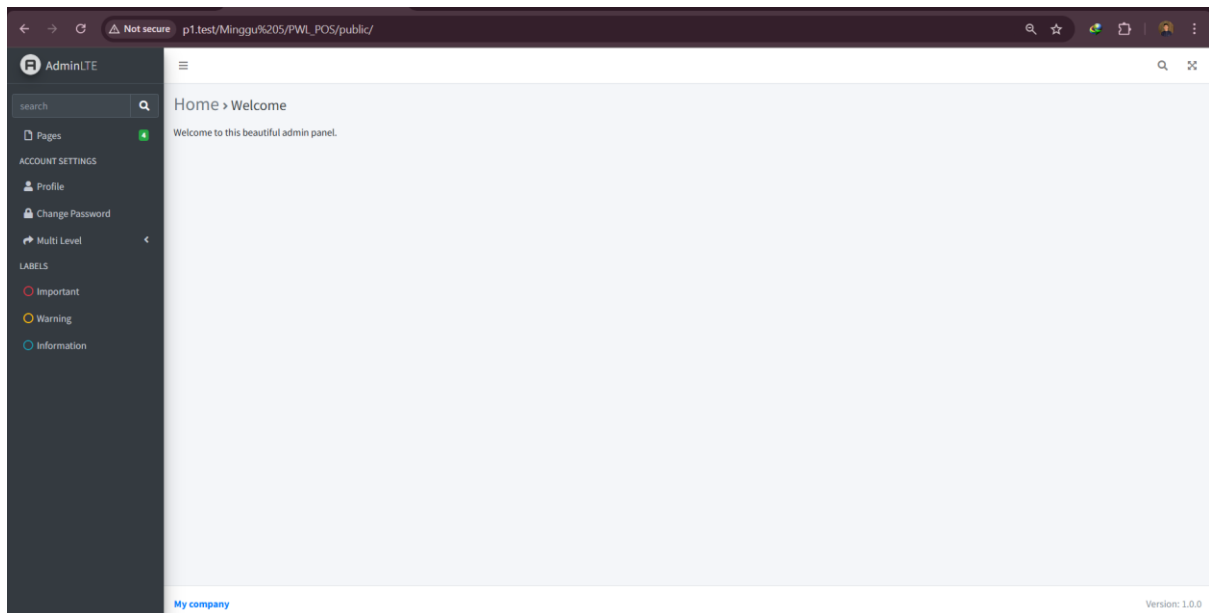
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Untuk menggunakan blade template ini cukup dengan extend AdminLTE layout dengan cara `@extends('adminlte::page')`.

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

5. Kembali ke browser, menuju ke halaman awal.





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## Praktikum 2 – Integrasi dengan DataTables

### 1. Install Laravel DataTables

composer require laravel/ui --dev

```
C:\Windows\System32\cmd.exe x + v
C:\laragon\www\P1\Minggu 5\PWL_POS>composer require laravel/ui --dev

Warning: Module "pdo_mysql" is already loaded in Unknown on line 0
./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)
Package operations: 1 install, 0 updates, 0 removals
  - Downloading laravel/ui (v4.6.1)
  - Installing laravel/ui (v4.6.1): Extracting archive
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.

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

82 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

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

Found 1 security vulnerability advisory affecting 1 package.
Run "composer audit" for a full list of advisories.
Using version ^4.6 for laravel/ui

C:\laragon\www\P1\Minggu 5\PWL_POS>
```

composer require yajra/laravel-datatables:^10.0



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```
Using version ^4.6 for laravel/ui
C:\laragon\www\P1\Minggu 5\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
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 (0.20.2)
- 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
```

```
C:\Windows\System32\cmd.exe
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
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
INFO No publishable resources for tag [laravel-assets].
Found 1 security vulnerability advisory affecting 1 package.
Run "composer audit" for a full list of advisories.
```

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>

```
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\laragon\www\P1\Minggu 5\PWL_POS>npm -v
10.2.4
```

Npm digunakan untuk manajemen package javascript.



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### 3. Install Laravel DataTables Vite dan sass

npm i laravel-datatables-vite --save-dev

```
C:\laragon\www\P1\Minggu 5\PWL_POS>npm i laravel-datatables-vite --save-dev
added 47 packages, and audited 48 packages in 8s

13 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! 10.2.4 -> 11.2.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.2.0
npm notice Run `npm install -g npm@11.2.0` to update!
npm notice
C:\laragon\www\P1\Minggu 5\PWL_POS>
```

npm install -D sass

```
C:\laragon\www\P1\Minggu 5\PWL_POS>npm install -D sass
added 15 packages, and audited 63 packages in 2s

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.
C:\laragon\www\P1\Minggu 5\PWL_POS>
```

### 4. Edit file resources/js/app.js

```
web.php JS app.js M X
Minggu 5 > PWL_POS > resources > js > JS app.js
1  import './bootstrap';
2  import '../sass/app.scss';
3  import 'laravel-datatables-vite';
4
5
```

### 5. Buatlah file resources/sass/app.scss



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```
web.php JS app.js M app.scss U X
Minggu 5 > PWL_POS > resources > saas > 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 'bootstrap-icons/font/bootstrap-icons.css';
9 @import 'datatables.net-bs5/css/dataTables.bootstrap5.min.css';
10 @import 'datatables.net-buttons-bs5/css/buttons.bootstrap5.min.css';
11 @import 'datatables.net-select-bs5/css/select.bootstrap5.min.css';
12
```

6. Jalankan dengan npm run dev

```
C:\laragon\www\P1\Minggu 5\PWL_POS>npm run dev
> dev
> vite

VITE v5.4.14 ready in 1025 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  
php artisan datatables:make Kategori

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\laragon\www\P1\Minggu 5\PWL_POS>php artisan datatables:make Kategori
Warning: Module "pdo_mysql" is already loaded in Unknown on line 0
INFO DataTable [C:\laragon\www\P1\Minggu 5\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully.

C:\laragon\www\P1\Minggu 5\PWL_POS>
```





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8. Kita edit KategoriDataTable untuk mengatur kolom apa saja yang ingin ditampilkan  
Sesuaikan dengan kodeprogram berikut

```
Minggu 5 > PWL_POS > app > DataTables > KategoriDataTable.php > PHP > KategoriDataTable > getColumnns()
1  <?php
2
3  namespace App\DataTables;
4  use App\Models\KategoriModel;
5  use Illuminate\Database\Eloquent\Builder as QueryBuilder;
6  use Yajra\DataTables\EloquentDataTable;
7  use Yajra\DataTables\Html\Builder as HtmlBuilder;
8  use Yajra\DataTables\Html\Button;
9  use Yajra\DataTables\Html\Column;
10 use Yajra\DataTables\Html\Editor\Editor;
11 use Yajra\DataTables\Html\Editor\Fields;
12 use Yajra\DataTables\Services\DataTable;
13
14 class KategoriDataTable extends DataTable
15 {
16     /**
17      * Build the DataTable class.
18      *
19      * @param QueryBuilder $query Results from query() method.
20      */
21     public function dataTable(QueryBuilder $query): EloquentDataTable
22     {
23         return (new EloquentDataTable($query))
24             ->addColumn('action', 'kategori.action')
25             ->setRowId('id');
26     }
27
28     /**
29      * Get the query source of dataTable.
30      */
31     public function query(KategoriModel $model): QueryBuilder
32     {
33         return $model->newQuery();
34     }
35
36     /**
37      * Optional method if you want to use the html builder.
38      */
39 }
```



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```
39 public function html(): HtmlBuilder
40 {
41     return $this->builder()
42         ->setTableId('kategori-table')
43         ->columns($this->getColumns())
44         ->minifiedAjax()
45         // ->dom('Bfrrtip')
46         ->orderBy(1)
47         ->selectStyleSingle()
48         ->buttons([
49             Button::make('excel'),
50             Button::make('csv'),
51             Button::make('pdf'),
52             Button::make('print'),
53             Button::make('reset'),
54             Button::make('reload')
55         ]);
56 }
57
58 /**
59  * Get the dataTable columns definition.
60  */
61 1 reference | 0 overrides | Codeium: Refactor | Explain | X
62 public function getColumns(): array
63 {
64     return [
65         // Column::computed('action')
66         //     ->exportable(false)
67         //     ->printable(false)
68         //     ->width(60)
69         //     ->addClass('text-center'),
70         Column::make('kategori_id'),
71         Column::make('kategori_kode'),
72         Column::make('kategori_nama'),
73         Column::make('created_at'),
74         Column::make('updated_at'),
75     ];
76 }
77
78 0 references | 0 overrides | Codeium: Refactor | Explain | X
79 protected function filename(): string
80 {
81     return 'Kategori_' . date(format: 'YmdHis');
82 }
83 }
84
```

9. Ubah kategori model, sesuaikan seperti berikut



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```
Minggu 5 > PWL_POS > app > Models > KategoriModel.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7  use Illuminate\Database\Eloquent\Relations\HasMany;
8
9  2 references | 0 implementations | Codeium: Refactor | Explain
10 class KategoriModel extends Model
11 {
12     0 references
13     protected $table = 'm_kategori';
14     0 references
15     protected $primaryKey = 'kategori_id';
16
17     0 references
18     protected $fillable = ['kategori_kode', 'kategori_nama'];
19
20     0 references | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
21     public function barang():HasMany
22     {
23         return $this->hasMany(BarangModel::class, 'barang_id', 'barang_id');
24     }
25 }
```

10. Ubah Kategori Controller sesuaikan dengan skrip berikut:

```
Minggu 5 > PWL_POS > app > Http > Controllers > KategoriController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\DataTables\KategoriDataTable;
7
8  6 references | 0 implementations | Codeium: Refactor | Explain
9  class KategoriController extends Controller
10 {
11     //
12     2 references | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
13     public function index(KategoriDataTable $dataTable): mixed{
14         return $dataTable->render('kategori.index');
15     }
16 }
```

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



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```
Minggu 5 > PWL_POS > resources > views > kategori > index.blade.php > ...
1 @extends ('layouts.app')
2
3 {{-- Customize layout section --}}
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-body">Manage Katagori</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
```

12. Pastikan route untuk kategori sudah tersedia

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

13. Sesuaikan app layout seperti kode berikut

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



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```
46 |         </a>
47 |     </strong>
48 | @stop
49 |
50 | {{-- Add common Javascript/Jquery code --}}
51 |
52 | @push('js')
53 | <script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"></script>
54 |
55 | @endpush
56 |
57 | @stack('scripts')
58 |
59 | {{-- Add common CSS customizations --}}
60 |
61 | @push('css')
62 | <link rel="stylesheet" href="https://cdn.datatables.net/2.0.2/css/dataTables.css">
63 | <style type="text/css">
64 |
65 |     /* You can add AdminLTE customizations here */
66 |     /*
67 |     .card-header {
68 |         border-bottom: none;
69 |     }
70 |     .card-title {
71 |         font-weight: 600;
72 |     }
73 |     */
74 |
75 | </style>
76 | @endpush
```

#### 14. Menset ViteJs / script type defaults

```
Minggu 5 > PWL_POS > app > Providers > AppServiceProvider.php > ...
1  <?php
2
3  namespace App\Providers;
4
5  use Illuminate\Support\ServiceProvider;
6  use Yajra\DataTables\Html\Builder;
7
8  7 references | 0 implementations | Codeium: Refactor | Explain
9  class AppServiceProvider extends ServiceProvider
10 | {
11 |     /**
12 |      * Register any application services.
13 |      */
14 |     0 references | 0 overrides | Codeium: Refactor | Explain | X
15 |     public function register(): void
16 |     {
17 |         //
18 |     }
19 |
20 |     /**
21 |      * Bootstrap any application services.
22 |      */
23 |     0 references | 0 overrides | Codeium: Refactor | Explain | X
24 |     public function boot(): void
25 |     {
26 |         //
27 |         Builder::useVite();
28 |     }
29 | }
```



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### 15. Isikan beberapa data ke table kategori

Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT * FROM `m_kategori`
```

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	ELC001	Elektronik	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	2	FNB002	Makanan & Minuman	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	3	FRN003	Furniture	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	4	CLT004	Pakaian	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	5	SPR005	Olahraga	NULL	NULL

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

### 16. Datatables sudah dapat di load di /kategori

Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori id	Kategori Kode	Kategori Nama	Created At	Updated At
1	ELC001	Elektronik		
2	FNB002	Makanan & Minuman		
3	FRN003	Furniture		
4	CLT004	Pakaian		
5	SPR005	Olahraga		

Showing 1 to 5 of 5 entries



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### Praktikum 3 – Membuat form kemudian menyimpan data dalam database

Langkah-langkahnya adalah sebagai berikut:

1. Menyesuaikan routing, tambahkan dua routing berikut

```
22 Route::get('/kategori/create', [KategoriController::class, 'store']);  
23 Route::post('/kategori', [KategoriController::class, 'store']);  
24
```

2. Tambahkan dua function berikut dalam KategoriController

```
Minggu 5 > PWL_POS > app > Http > Controllers > KategoriController.php > PHP Intelephense > 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 class KategoriController extends Controller  
10 {  
11     //  
12     public function index(KategoriDataTable $dataTable): mixed {  
13         return $dataTable->render('kategori.index');  
14     }  
15  
16     public function create(): Factory|View {  
17         return view('kategori.create');  
18     }  
19  
20     public function store(Request $request): Redirector|RedirectResponse {  
21         KategoriModel::create([  
22             'kategori_kode' => $request->kodekategori,  
23             'kategori_nama' => $request->namakategori  
24         ]);  
25         return redirect(to: '/kategori');  
26     }  
27 }  
28
```

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



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

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

```
Minggu 5 > PWL_POS > app > Http > Middleware > VerifyCsrfToken.php > PHP Intelephense > VerifyCsrfToken
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         //
16         '/kategori'
17     ];
18 }
```





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## 5. Akses kategori/create

Kategori > Create

Buat Kategori Baru

Kode Kategori  
BJ006

Nama Kategori  
Baju

Submit

## 6. Halaman kategori

Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	ELC001	Elektronik		
2	FNB002	Makanan & Minuman		
3	FRN003	Furniture		
4	CLT004	Pakaian		
5	SPR005	Olahraga		
8	BJ006	Baju	2025-03-13T14:59:53.000000Z	2025-03-13T14:59:53.000000Z

Showing 1 to 6 of 6 entries



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## Tugas Praktikum

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

Mengedit file index.blade.php

```
<div class="col text-end">
    <a href="{{ url(path: '/kategori/create') }}" class="btn btn-success">Add</a>
</div>
</div>
```

Output:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
5	SPR005	Olahraga		
3	FRN003	Furniture		
2	FNB002	Makanan & Minuman		
1	ELC001	Elektronik		
4	CLT004	Pakaian		
8	BJ006	Baju	2025-03-13T14:59:53.000000Z	2025-03-13T14:59:53.000000Z

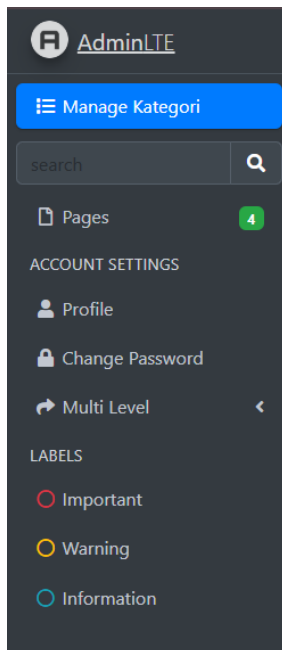
2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

Mengedit file adminlte.php

```
'menu' => [
    // Navbar items:
    [
        'type' => 'navbar-search',
        'text' => 'search',
        'topnav_right' => true,
    ],
    [
        'type' => 'fullscreen-widget',
        'topnav_right' => true,
    ],
    [
        'text' => 'Manage Kategori',
        'url' => 'kategori',
        'icon' => 'fas fa-fw fa-list',
    ],
],
```



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

```
<a href="" . route(name: 'kategori.edit', parameters: $row->kategori_id) . "">Edit</a>
```

Mengedit file KategoriController

```
28 | public function edit($id): Factory|View
29 | {
30 |     $kategori = KategoriModel::findOrFail($id);
31 |     return view('kategori.edit', data: compact('kategori'));
32 | }
33 |
34 | 1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
35 | public function update(Request $request, $id): Redirector|RedirectResponse
36 | {
37 |     $request->validate([
38 |         'kodeKategori' => 'required',
39 |         'namaKategori' => 'required',
40 |     ]);
41 |     $kategori = KategoriModel::findOrFail($id);
42 |
43 |     $kategori->update([
44 |         'kategori_kode' => $request->kodeKategori,
45 |         'kategori_nama' => $request->namaKategori,
46 |     ]);
47 |     return redirect(to: '/kategori');
48 | }
49 |
```

Membuat edit.blade.php



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```
Minggu 5 > PWL_POS > resources > views > kategori > edit.blade.php > div.container > div.card.card-warning > form > div.card-footer > a.btn.btn-secondary
1 @extends('layouts.app')
2
3 {{-- Customize layout sections --}}
4 @section('subtitle', 'Kategori')
5 @section('content_header_title', 'Kategori')
6 @section('content_header_subtitle', 'Edit')
7
8 {{-- Content body: main page content --}}
9 @section('content')
10     <div class="container">
11         <div class="card card-warning">
12             <div class="card-header">
13                 <h3 class="card-title">Edit Kategori</h3>
14             </div>
15             <form method="POST" action="{{ route('kategori.update', parameters: $kategori->kategori_id) }}">
16                 @csrf
17                 @method('PUT')
18                 <div class="card-body">
19                     <div class="form-group">
20                         <label for="kodeKategori">Kode Kategori</label>
21                         <input type="text" class="form-control" id="kodeKategori" name="kodeKategori"
22                             value="{{ $kategori->kategori_kode }}" placeholder="Masukkan kode kategori">
23                     </div>
24                     <div class="form-group">
25                         <label for="namaKategori">Nama Kategori</label>
26                         <input type="text" class="form-control" id="namaKategori" name="namaKategori"
27                             value="{{ $kategori->kategori_nama }}" placeholder="Masukkan nama kategori">
28                     </div>
29                 </div>
30                 <div class="card-footer">
31                     <button type="submit" class="btn btn-warning">Update</button>
32                     <a href="{{ route('kategori.index') }}" class="btn btn-secondary">Batal</a>
33                 </div>
34             </form>
35         </div>
36     </div>
37 @endsection
```

Menambahkan route

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

Output

Sebelum diedit



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Setelah diedit

4. Tambahkan action delete di datatables serta controllernya

Mengedit KategoriDataTable

```
<form action="" . route(name: 'kategori.destroy', parameters: $row->kategori_id) . "" method="POST" style="display:inline-block; margin:0;" onsubmit="return confirm(
    . csrf_field() . '
    . method_field(method: "DELETE") . '
    <button type="submit" style="border:none; background:none; color:inherit; cursor:pointer;">Delete</button>
</form>
```

Menambahkan kode pada KategoriController

```
50 | public function destroy($id): RedirectResponse
51 | {
52 |     $kategori = KategoriModel::findOrFail($id);
53 |     $kategori->delete();
54 |
55 |     return redirect()->route('kategori.index')->with('success', 'Kategori berhasil dihapus.');
```

Output

Menghapus BJ006

8	BJ006	Baju	2025-03-13T14:59:53.000000Z	2025-03-13T14:59:53.000000Z	<a href="#">Edit</a>	<a href="#">Delete</a>
---	-------	------	-----------------------------	-----------------------------	----------------------	------------------------



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pwl\_pos.test says

Yakin ingin menghapus?

OK

Cancel

## Manage Kategori

Add

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
9	PS007	Playstation	2025-03-14T07:00:07.000000Z	2025-03-14T07:00:07.000000Z	<a href="#">Edit</a> Delete
5	OR005	Olahraga		2025-03-14T08:06:59.000000Z	<a href="#">Edit</a> Delete
3	FRN003	Furniture			<a href="#">Edit</a> Delete
2	FNB002	Makanan & Minuman			<a href="#">Edit</a> Delete
1	ELC001	Elektronik			<a href="#">Edit</a> Delete
4	CLT004	Pakaian			<a href="#">Edit</a> Delete

Showing 1 to 6 of 6 entries

« < 1 > »