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

```
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
  - 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
```

2. Melakukan instalasi requirement project di atas dengan command berikut

```
D:\Laravel Kuliah\PWL_POS>php artisan adminlte:install
Basic assets installed successfully.
Configuration file installed successfully.
Translation files installed successfully.
The installation is complete.

D:\Laravel Kuliah\PWL_POS>
```

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

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```
resources > views > Layout > app.blade.php > style
1  @extends('adminlte::page')
2  {{-- Extend and customize the browser title --}}
3  @section('title')
4      {{ config('adminlte.title') }}
5  @hasSection('subtitle') | @yield('subtitle') @endif
6  @stop
7  {{-- Extend and customize the page content header --}}
8  @section('content_header')
9      @hasSection('content_header_title')
10         <h1 class="text-muted">
11             @yield('content_header_title')
12             @hasSection('content_header_subtitle')
13                 <small class="text-dark">
14                     <i class="fas fa-xs fa-angle-right text-muted"></i>
15                     @yield('content_header_subtitle')
16                 </small>
17             @endif
18         </h1>
19     @endif
20 @stop
21 {{-- Rename section content to content_body --}}
22 @section('content')
23     @yield('content_body')
24 @stop
25 {{-- Create a common footer --}}
26 @section('footer')
27     <div class="float-right">
28         Version: {{ config('app.version', '1.0.0') }}
29     </div>
30     <strong>
31         <a href="{{ config('app.company_url', '#') }}">
32             {{ config('app.company_name', 'My company') }}
33         </a>
34     </strong>
35 @stop
36 {{-- Add common Javascript/Jquery code --}}
37 @push('js')
38     <script>
39         $(document).ready(function() {
40             // Add your common script logic here...
41         });
42     </script>
43 @endpush
44 {{-- Add common CSS customizations --}}
45 @push('css')
46     <style type="text/css">
47         {{-- You can add AdminLTE customizations here --}}
48         /*
49         .card-header {
50             border-bottom: none;
51         }
52         .card-title {
53             font-weight: 600;
54         }
55         */
56     </style>
57 @endpush
```

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

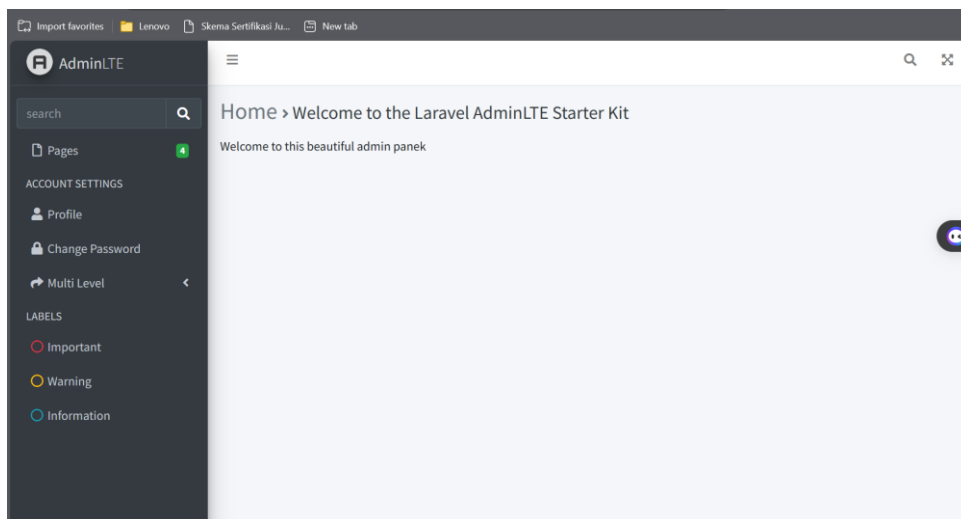
```
resources > views > welcome.blade.php > script
1  @extends('layouts.app')
2
3  @section('subtitle', 'Welcome')
4  @section('content_header_title', 'Home')
5  @section('content_header_subtitle', 'Welcome to the Laravel AdminLTE Starter Kit')
6
7  @section('content_body')
8      <p>Welcome to this beautiful admin pane</p>
9  @stop
10
11 @push('css')
12
13 @endpush
14
15 @push('js')
16     <script>console.log("Hi, Im using the Laravel AdminLTE package!");</script>
```

5. Kembali ke browser, menuju ke halaman awal.

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Praktikum 2

1. Install Laravel DataTables

```
PS D:\Laravel Kuliah\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): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

[INFO] Discovering packages.
..... 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

80 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

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 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 (v10.0.0)
  - 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 (v10.0.0): Extracting archive
  - Installing yajra/laravel-datatables (v10.0.0): Extracting archive
0 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

[INFO] Discovering packages.
..... 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

80 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.
```

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

```
No security vulnerability advisories found
PS D:\Laravel Kuliah\PWL_POS> npm -v
8.19.3
PS D:\Laravel Kuliah\PWL_POS>
```

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3. Install Laravel DataTables Vite dan sass

```
PS D:\Laravel Kuliah\PWL_POS> npm i laravel-datatables-vite --save-dev

added 11 packages, and audited 34 packages in 10s

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

found 0 vulnerabilities
PS D:\Laravel Kuliah\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
```

5. Buatlah file resources/sass/app.scss

```
resources > sass > app.scss

//Font
@import url('https://font.bunny.net/css?family=Nunito');

//Bootstrap
@import 'bootstrap/scss/bootstrap';

//DataTables
@import 'bootstrap-icons/font/bootstrap-icons.css';
@import 'datatables.net-bs5/css/dataTables.bootstrap5.min.css';
@import 'datatables.net-buttons-bs5/css/buttons.bootstrap5.min.css';
@import 'datatables.net-select-bs5/css/select.bootstrap5.css';
```

6. Jalankan dengan npm run dev

```
PS D:\Laravel Kuliah\PWL_POS> npm run dev

> dev
> vite

VITE v5.1.6 ready in 693 ms
  → Local:   http://localhost:5173/
  → Network: use --host to expose
  → press h + enter to show help

LARAVEL v10.47.0 plugin v1.0.2
  → APP_URL: http://localhost
```

7. Selanjutnya kita akan buat datatables untuk kategori

```
PS D:\Laravel Kuliah\PWL_POS> php artisan datatables:make Kategori

INFO Data Table [D:\Laravel Kuliah\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully.
```

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

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```
1 <?php
2
3 namespace App\DataTables;
4
5 use App\Models\Kategori;
6 use Illuminate\Database\Eloquent\Builder as QueryBuilder;
7 use Yajra\DataTables\EloquentDataTable;
8 use Yajra\DataTables\Html\Builder as HtmlBuilder;
9 use Yajra\DataTables\Html\Column;
10 use Yajra\DataTables\Html\Editor\Editor;
11 use Yajra\DataTables\Html\Editor\Fjelds;
12 use Yajra\DataTables\Services\DataTable;
13
14
15 0 references | 0 implementations
16 class KategoriDataTable extends DataTable
17 {
18     /**
19      * Build the DataTable class.
20      *
21      * @param QueryBuilder $query Results from query() method.
22      */
23     0 references | 0 overrides
24     public function dataTable(QueryBuilder $query): EloquentDataTable
25     {
26         return (new EloquentDataTable($query))
27             ->addColumn('action', 'kategori.action')
28             ->setRowId('id');
29     }
30
31     /**
32      * Get the query source of dataTable.
33      */
34     0 references | 0 overrides
35     public function query(KategoriModel $model): QueryBuilder Undefined type 'App\DataTables\
36     {
37         return $model->newQuery();
38     }
39
40     /**
41      * Optional method if you want to use the html builder.
42      */
43     0 references | 0 overrides
44     public function html(): HtmlBuilder
45     {
46         return $this->builder()
47             ->setTableId('kategori-table')
48             ->columns($this->getColumns())
49             ->minifiedAjax()
50             //~dom('Bfrtip')
51             ->orderBy(1)
52             ->selectStyleSingle()
53             ->buttons([
54                 Button::make('excel'),
55                 Button::make('csv'),
56                 Button::make('pdf'),
57                 Button::make('print'),
58                 Button::make('reset'),
59                 Button::make('reload')
60             ]);
61     }
62
63     /**
64      * Get the dataTable columns definition.
65      */
66     1 reference | 0 overrides
67     public function getColumns(): array
68     {
69         return [
70             Column::computed('action')
71                 ->exportable(false)
72                 ->printable(false)
73                 ->width(60)
74                 ->addClass('text-center'),
75             Column::make('kategori_id'),
76             Column::make('kategori_kode'),
77             Column::make('kategori_nama'),
78             Column::make('created_at'),
79             Column::make('updated_at'),
80         ];
81     }
82
83     /**
84      * Get the filename for export.
85      */
86     0 references | 0 overrides
87     protected function filename(): string
88     {
89         return 'Kategori_' . date('YmdHis');
90     }
91 }
```

```
        Button::make('reset'),
        Button::make('reload')
    ]);
}

/**
 * Get the dataTable columns definition.
 */
1 reference | 0 overrides
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.
 */
0 references | 0 overrides
protected function filename(): string
{
    return 'Kategori_' . date('YmdHis');
}
}
```

9. Ubah kategori model, sesuaikan seperti berikut

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

Manage Kategori

Show

10

 entries

Search:

Action	Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
kategori.action	8	Tes	Cuma mencoba	2024-03-22T02:46:46.000000Z	2024-03-22T02:46:46.000000Z
kategori.action	5	K05	Tas		
kategori.action	4	K04	Sepatu		
kategori.action	3	K03	Topi		
kategori.action	2	K02	Celana		
kategori.action	1	K01	Baju		

Showing 1 to 6 of 6 entries

Previous

1

 Next

Tambah Kategori

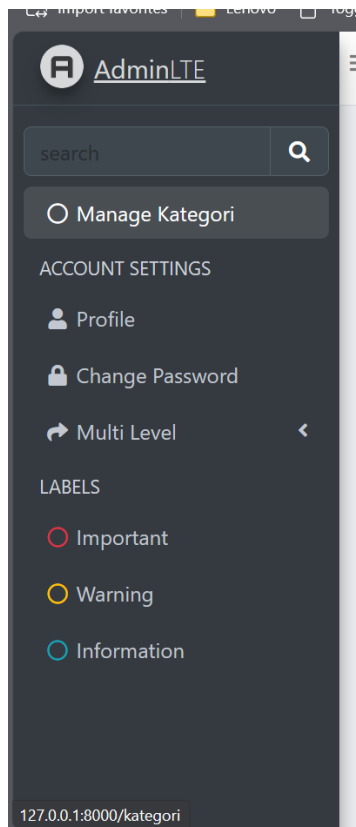
2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

```
19      'text' => 'Manage Kategori',  
      'url' => '../kategori',  
      'label_color' => 'success',  
    ],  
  ],  
],
```

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

```
0 references | 0 overrides
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))
        ->setRowId('id')
        ->addColumn('action', function($row) {
            $tombol = '<a href="kategori/edit/" . $row->kategori_id.' class="edit btn btn-warning btn-xs"><i class="fa fa-pencil"></i> Ubah</a>';
            $tombol = $tombol . '<a href="kategori/hapus/" . $row->kategori_id.' class="delete btn btn-danger btn-xs"><i class="fa fa-trash"></i> Hapus</a>';
            return $tombol;
        });
}
```

Home > Kategori

Manage Kategori

Show 10 entries Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
5	K05	Tas			Ubah Hapus
4	K04	Sepatu			Ubah Hapus
3	K03	Topi			Ubah Hapus
2	K02	Celana			Ubah Hapus
1	K01	Baju			Ubah Hapus
8	hai	ganti	2024-03-22T02:46:46.000000Z	2024-03-23T08:16:19.000000Z	Ubah Hapus

Showing 1 to 6 of 6 entries Previous 1 Next

Tambah Kategori

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```
38 public function ubah($id) {
39     $kategori = KategoriModel::findOrFail($id);
40     return view('kategori.edit', ['kategori' => $kategori]);
41 }
42
43 public function ganti($id, Request $request) {
44     $kategori = KategoriModel::findOrFail($id);
45
46     $kategori->kategori_kode = $request->kodekategori;
47     $kategori->kategori_nama = $request->namakategori;
48
49     $kategori->save();
50     return redirect('/kategori');
51 }
52
53 Route::post('/kategori/ganti_simpan/{id}', [KategoriController::class, 'ganti']);
54 Route::get('/kategori/edit/{id}', [KategoriController::class, 'ubah']);
```

4. Tambahkan action delete di datatables serta controllernya

```
44 public function hapus($id) {
45     $kategori = KategoriModel::findOrFail($id);
46     $kategori->delete();
47     return redirect('/kategori');
48 }
49
50
51
52
53
54
55
56
57
58 Route::get('/kategori/hapus/{id}', [KategoriController::class, 'hapus']);
```