Nama : Muhammad Ridlo Febrio Putra
Kelas : 2H
NIM : 2241720098

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

2. Melakukan instalasi requirement project di atas dengan command berikut

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

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```php
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
```

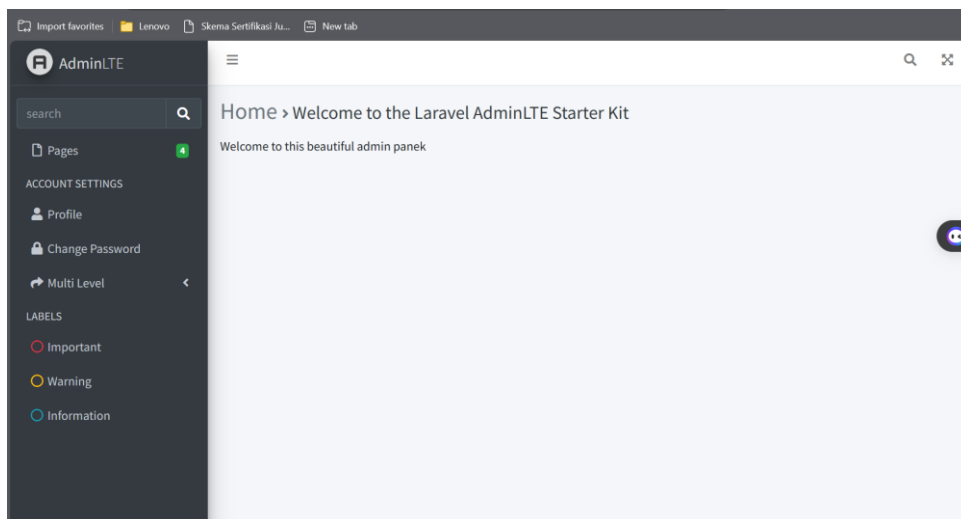4. Edit resources/views/welcome.blade.php, kemudian replace seluruh kodenya dengan kode berikut

```php
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 panek</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

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.

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/saas/app.scss

```
urces > sass > ᵠ 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-br5/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  DataTable [D:\Laravel Kuliah\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully.
```

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

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```php
<?php

namespace App\DataTables;

use App\Models\Kategori;
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    Undefined type 'App\DataTa
    {
        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

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

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

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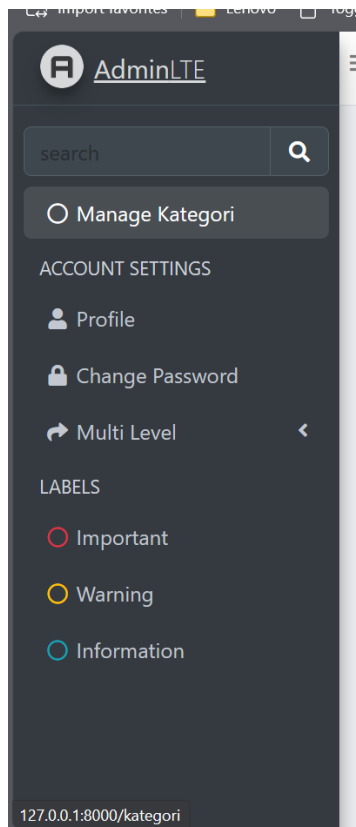
3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya

```php
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

```php
        public function ubah($id) {
            $kategori = KategoriModel::findOrFail($id);
            return view('kategori.edit',['kategori'=> $kategori]);
        }

        public function ganti($id, Request $request) {
            $kategori = KategoriModel::findOrFail($id);

            $kategori->kategori_kode = $request->kodekategori;
            $kategori->kategori_nama = $request->namakategori;

            $kategori->save();
            return redirect('/kategori');
        }
```

```php
Route::post('/kategori/ganti_simpan/{id}', [KategoriController::class, 'ganti']);
Route::get('/kategori/edit/{id}', [KategoriController::class, 'ubah']);
```

4. Tambahkan action delete di datatables serta controllernya

```php
        1 reference | 0 overrides
        public function hapus($id) {
            $kategori = KategoriModel::findOrFail($id);
            $kategori->delete();
            return redirect('/kategori');
        }
    }
```

```php
Route::get('/kategori/hapus/{id}', [KategoriController::class, 'hapus']);
```