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Praktikum 1 – integrasi Laravel dengan adminLTE3

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

```
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\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 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

83 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 D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS>
```

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

```
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> php artisan adminlte:install
Basic assets installed successfully.
Configuration file installed successfully.
Translation files installed successfully.
The installation is complete.
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS>
```

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

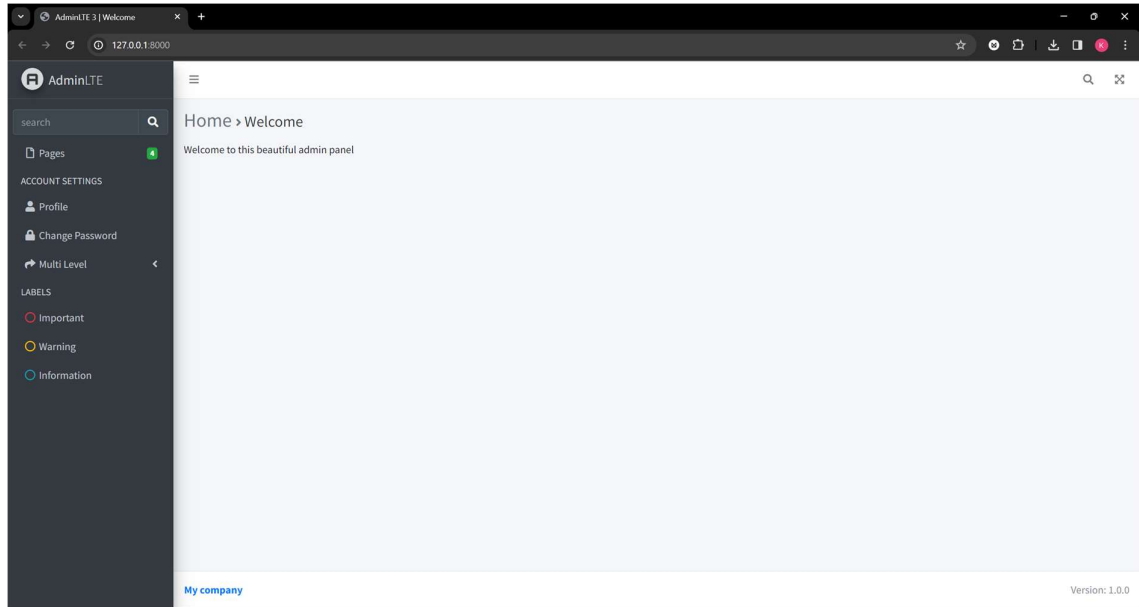
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```
app.blade.php U • welcome.blade.php M •
resources > views > welcome.blade.php > ...
1  @extends('layout.app')
2
3
4  @section('subtitle','Welcome')
5  @section('content_header_title','Home')
6  @section('content_header_subtitle','Welcome')
7
8  @section('content_body')
9  <p>Welcome to this beautiful admin panel</p>
10
11 @stop
12
13 @push('css')
14
15 @endpush
16
17 @push('js')
18 <script>console.log("Hi,Iam using the laravel-adminLTE package")</script>
19 @endpush
20
21 |
```

4. Kembali ke browser, menuju ke halaman awal.



Praktikum 2 – integrasi dengan datatables

1. Install Laravel datatables

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```
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\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
  - 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

83 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 D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS>

PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> composer require yajra/laravel-datatables:^10.0
The "10.0" constraint for "yajra/laravel-datatables" appears too strict and will likely not match what you want. See https://getcomposer.org/constraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
  - Locking league/fractal (0.20.1)
  - Locking yajra/laravel-datatables (v10.0.0)
  - Locking yajra/laravel-datatables-buttons (v10.0.0)
  - 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
  - Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
  - Installing yajra/laravel-datatables-html (v10.12.0): Extracting archive
  - Installing league/fractal (0.20.1): 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
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

 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

88 packages you are using are looking for funding.
```

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

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```
OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS

PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> npm -v
10.4.0
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> 
```

3. Install Laravel DataTables Vite dan sass

```
found 0 vulnerabilities
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> npm install -D sass

added 15 packages, and audited 49 packages in 6s

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

found 0 vulnerabilities
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> 

PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> npm i laravel-datatables-vite --save-dev

added 33 packages, and audited 34 packages in 25s

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

found 0 vulnerabilities
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> 
```

4. Edit file resources/js/app.js

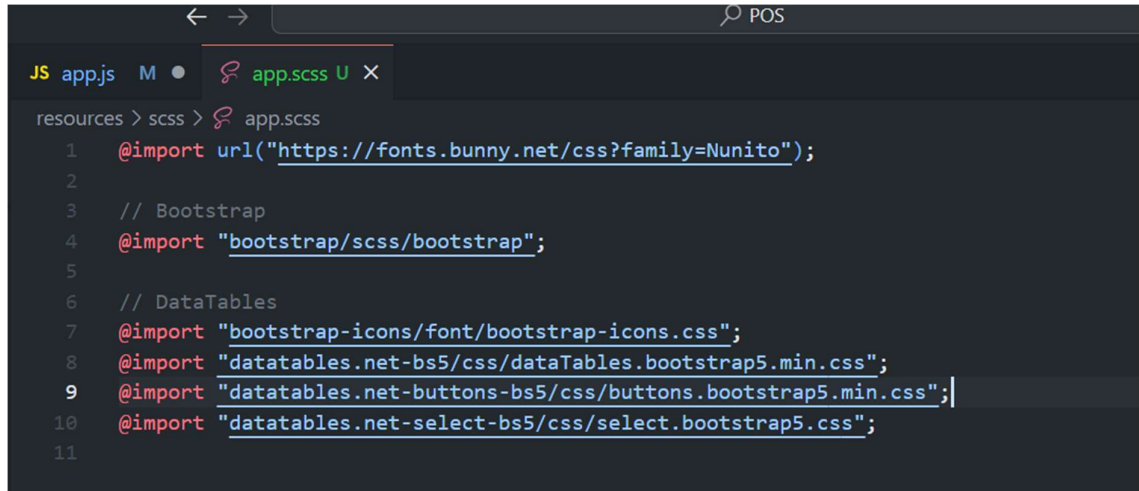
```
JS app.js  M ●
resources > js > JS app.js
1  import './bootstrap';
2  import '../sass/app.scss';
3  import 'laravel-datatables-vite';
4
5
6
```

5. Buatlah file resources/sass/app.scss

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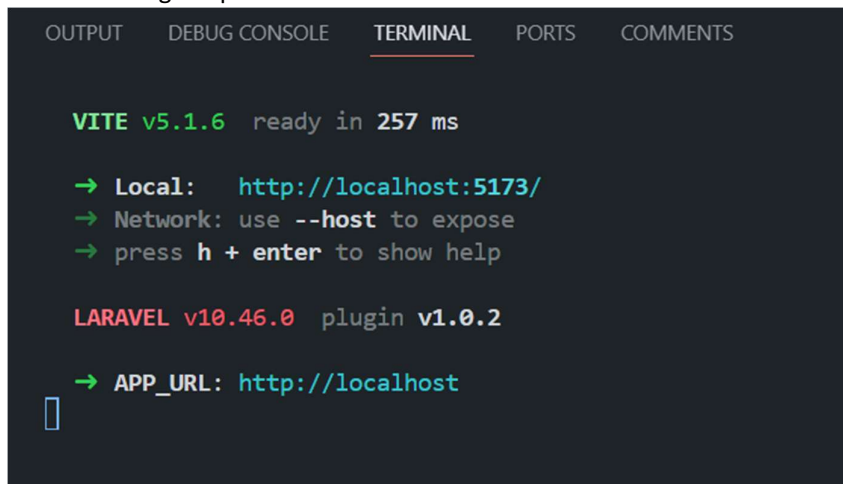
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A screenshot of a code editor window with a dark theme. The title bar shows 'app.scss' and a search icon. The editor content shows SCSS code for importing fonts and CSS files. The code is as follows:

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

6. Jalankan dengan npm run dev

A screenshot of a terminal window with a dark theme. The terminal shows the output of running 'npm run dev'. The output includes Vite v5.1.6 ready in 257 ms, the local URL http://localhost:5173/, and Laravel v10.46.0 plugin v1.0.2. The APP_URL is set to http://localhost.

```
OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS

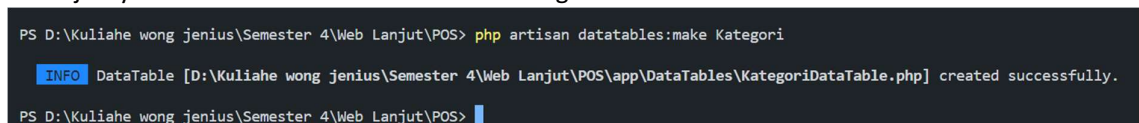
VITE v5.1.6 ready in 257 ms

→ 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

A screenshot of a PowerShell terminal window. The command 'php artisan datatables:make Kategori' has been executed, and the output shows that the data table 'KategoriDataTable.php' has been created successfully.

```
PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS> php artisan datatables:make Kategori

INFO Data Table [D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS\app\DataTables\KategoriDataTable.php] created successfully.

PS D:\Kuliahe wong jenius\Semester 4\Web Lanjut\POS>
```

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

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```
app > DataTables > KategoriDataTable.php > App\DataTables\KategoriDataTable > filename()
16  class KategoriDataTable extends DataTable
41  public function html(): HtmlBuilder
46      ->minifiedAjax()
47      // ->dom('Bfrtip')
48      ->orderBy(1)
49      ->selectStyleSingle()
50      ->buttons([
51          Button::make('excel'),
52          Button::make('csv'),
53          Button::make('pdf'),
54          Button::make('print'),
55          Button::make('reset'),
56          Button::make('reload')
57      ]);
58  }
59
60  /**
61   * Get the dataTable columns definition.
62   */
63  1 reference | 0 overrides
64  public function getColumns(): array
65  {
66      return [
67          /* Column::computed('action')
68          ->exportable(false)
69          ->printable(false)
70          ->width(60)
71          ->addClass('text-center'), */
72          Column::make('kategori_id'),
73          Column::make('kategori_kode'),
74          Column::make('kategori_nama'),
75          Column::make('created_at'),
76          Column::make('updated_at'),
77      ];
78  }
79
80  /**
```


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```
app > DataTables > KategoriDataTable.php > App\DataTables\KategoriDataTable > filename()
5 use App\Models\Kategori;
6 use App\Models\KategoriModel;
7 use Illuminate\Database\Eloquent\Builder as QueryBuilder;
8 use Yajra\DataTables\EloquentDataTable;
9 use Yajra\DataTables\Html\Builder as HtmlBuilder;
10 use Yajra\DataTables\Html\Button;
11 use Yajra\DataTables\Html\Column;
12 use Yajra\DataTables\Html\Editor\Editor;
13 use Yajra\DataTables\Html\Editor\Fields;
14 use Yajra\DataTables\Services\DataTable;
15
16 class KategoriDataTable extends DataTable
17 {
18     /**
19      * Build the DataTable class.
20      *
21      * @param QueryBuilder $query Results from query() method.
22      */
23     public function dataTable(QueryBuilder $query): EloquentDataTable
24     {
25         return (new EloquentDataTable($query))
26             // ->addColumn('action', 'kategori.action')
27             ->setRowId('id');
28     }
29
30     /**
31      * Get the query source of dataTable.
32      */
33     public function query(KategoriModel $model): QueryBuilder
34     {
35         return $model->newQuery();
36     }
37
38     /**
39      * Optional method if you want to use the html builder.
40      */
41 }
```

9. Ubah kategori model, sesuaikan seperti berikut

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```
app > Models > KategoriModel.php > ...
9   class KategoriModel extends Model
10  {
11      use HasFactory;
12
13      0 references
      protected $table = 'm_kategori';
14      0 references
      protected $primaryKey = 'kategori_id';
15      0 references
      protected $fillable = ['kategori_kode', 'kategori_nama'];
16
17      0 references | 0 overrides
      public function barang(): HasMany
18      {
19          return $this->hasMany(BarangModel::class, 'barang_id', 'barang_id');
20      }
21  }
22
```

10. Ubah Kategori Controller sesuai dengan skrip berikut:

```
38  1 reference | 0 overrides
39  public function index(KategoriDataTable $datatable)
40  {
41      // $data = DB::table('m_kategori')->get();
42      // return view('kategori.kategori', ['data' => $data]);
43      return $datatable->render('kategori.index'); Argument '1'
44  }
45
46
```

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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```
JS app.js M app.scss U KategoriModel.php U KategoriController.ph
resources > views > kategori > index.blade.php > ...
1  @extends('layout.app')
2
3  @section('subtitle','Welcome')
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">Manager Kategori</div>
11             <div class="card-body">
12                 {!!$datatable->table()!!}
13             </div>
14         </div>
15     </div>
16 @endsection
17
18 @push('script')
19     {!!$datatable->scripts()!!}
20 @endpush
```

12. Pastikan route untuk kategori sudah tersedia

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

13. Sesuaikan app layout seperti kode berikut

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```
JS app.js M app.scss U KategoriModel.php U KategoriController.php 1, M index
resources > views > layout > app.blade.php > ...
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  @vite('resources/js/app.js')
8  {{-- Extend and customize the page content header --}}
9  @section('content_header')
10     @hasSection('content_header_title')
11     <h1 class="text-muted">
12     @yield('content_header_title')
13     @hasSection('content_header_subtitle')
14
15     <small class="text-dark">
16         <i class="fas fa-xs fa-angle-right text-muted"></i>
17         @yield('content_header_subtitle')
18     </small>
19     @endif
20     </h1>
21     @endif
22     @stop
23     {{-- Rename section content to content_body --}}
24     @section('content')
25         @yield('content_body')
26     @stop
27     {{-- Create a common footer --}}
28     @section('footer')
29         <div class="float-right">
30             Version: {{ config('app.version', '1.0.0') }}
31         </div>
32         <strong>
33             <a href="{{ config('app.company_url', '#') }}">
34                 {{ config('app.company_name', 'My company') }}
35             </a>
36         </strong>
```

14. Menset ViteJs / script type defaults

```
21  */
    0 references | 0 overrides
22  public function boot(): void
23  {
24      //
25      Builder::useVite();
26  }
27  }
28
```

15. . Isikan beberapa data ke table kategori

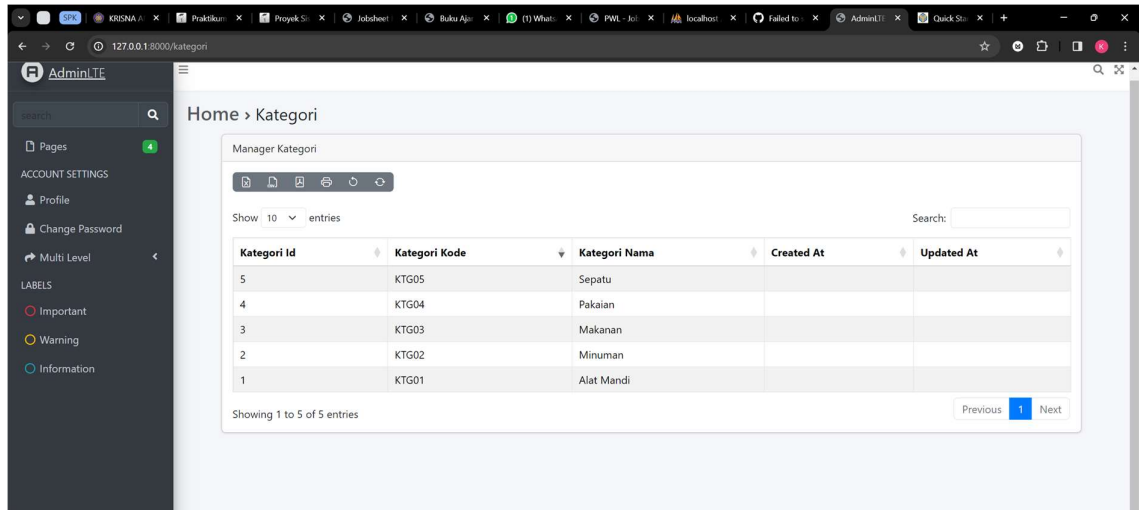
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<div><div><div></div><div></div><div></div></div></div>				kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<div><div><div></div></div></div>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	1	KTG01	Alat Mandi	NULL	NULL
<div><div><div></div></div></div>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	2	KTG02	Minuman	NULL	NULL
<div><div><div></div></div></div>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	3	KTG03	Makanan	NULL	NULL
<div><div><div></div></div></div>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	4	KTG04	Pakaian	NULL	NULL
<div><div><div></div></div></div>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	5	KTG05	Sepatu	NULL	NULL

16. Hasil



Praktikum 3 – membuat form kemudian menyimpan data dalam database

1. Menyesuaikan routing, tambahkan dua routing berikut

```
49 |
50 | // kategori
51 | Route::get('/kategori/create', [KategoriController::class, 'create']);
52 | Route::post('/kategori', [KategoriController::class, 'store']);
53 |
```

2. Tambahkan dua function berikut dalam KategoriController

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```
10 class KategoriController extends Controller
11 {
12     1 reference | 0 overrides
13     public function create()
14     {
15         return view('kategori.create');
16     }
17
18     1 reference | 0 overrides
19     public function store(Request $request)
20     {
21         KategoriModel::create(
22             [
23                 'kategori_kode' => $request->kodeKategori,
24                 'kategori_nama' => $request->namaKategori
25             ]
26         );
27         return redirect('/kategori');
28     }
29 }
30
```

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

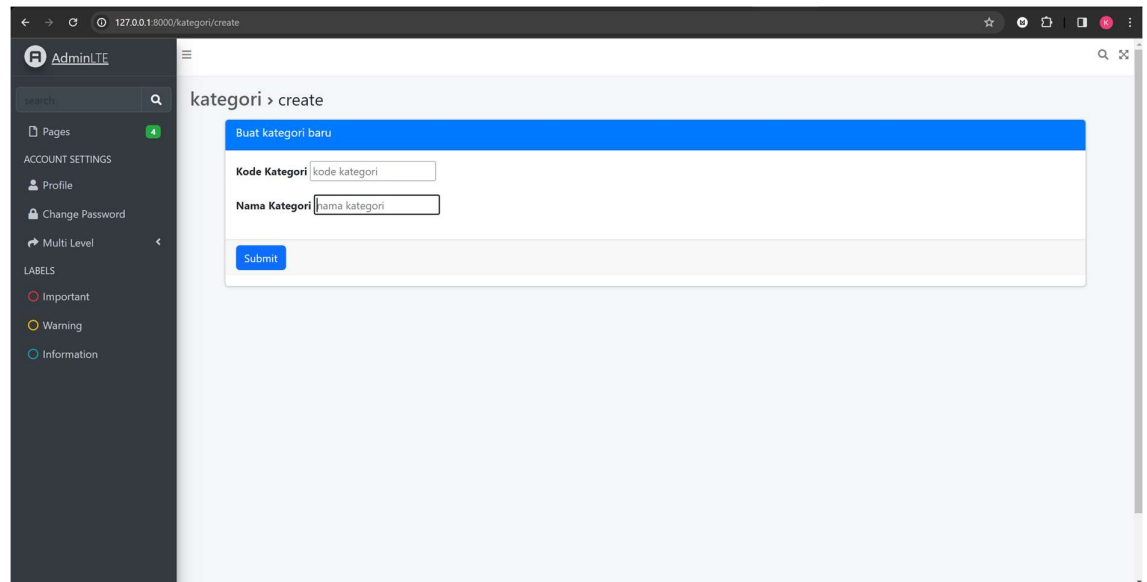
```
resources > views > kategori > create.blade.php > div.container > div.card.card-primary > form > div.card-footer > button.btn
6
7 @section('content')
8     <div class="container">
9         <div class="card card-primary">
10             <div class="card-header">
11                 <h3 class="card-title">Buat kategori baru</h3>
12             </div>
13             <form action="{{route('/kategori/create')}}" method="post">
14                 @csrf
15                 @method('POST')
16
17                 <div class="card-body">
18                     <div class="form-group">
19                         <label for="kodeKategori">Kode Kategori</label>
20                         <input type="text" name="kodeKategori" placeholder="kode kategori" id="">
21                     </div>
22                     <div class="form-group">
23                         <label for="namaKategori">Nama Kategori</label>
24                         <input type="text" name="namaKategori" placeholder="nama kategori" id="">
25                     </div>
26                 </div>
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
34
```

4. Akses kategori/create

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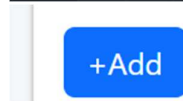


Tugas praktikum

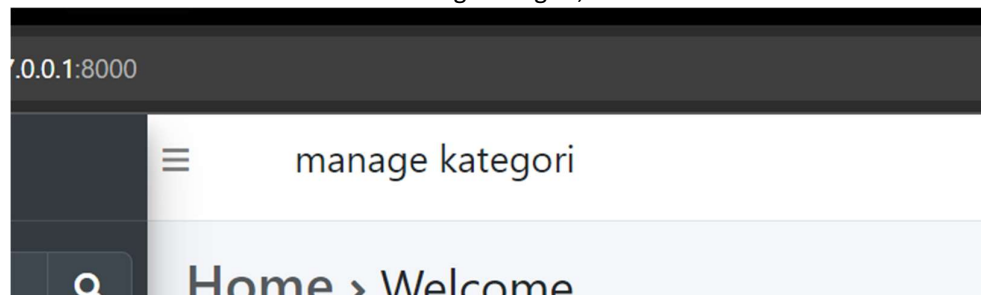
1. Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru

Jawab :

```
12. <div class="card-body">
13. <a href="/kategori/create" class="btn btn-primary mb-3" >+Add</a>
```



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



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

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```
1 reference | 0 overrides
56 public function update(Request $request, $id)
57 {
58     $data = KategoriModel::find($id);
59
60     $data->kategori_kode = $request->kodeKategori;
61     $data->kategori_nama = $request->namaKategori;
62
63     $data->save();
64     return redirect('/kategori');
65
66 }
67
68
9
10 <div class="container">
11     <div class="card card-primary">
12         <div class="card-header">
13             <h3 class="card-title">Buat kategori baru</h3>
14         </div>
15         <form action="{{route('update',$data['kategori_id'])}}" method="post">
16             @csrf
17             @method('PUT')
18
19             <div class="card-body">
20
21                 <div class="form-group">
22                     <label for="kodeKategori">Kode Kategori</label>
23                     <input type="text" name="kodeKategori" placeholder="kode kategori" id="" value="{{ $data['kategori_kode'] }}">
24                 </div>
25                 <div class="form-group">
26                     <label for="namaKategori">Nama Kategori</label>
27                     <input type="text" name="namaKategori" placeholder="nama kategori" id="" value="{{ $data['kategori_nama'] }}">
28                 </div>
29             </div>
30             <div class="card-footer">
31                 <button type="submit" class="btn btn-primary">Submit</button>
32             </div>
33         </form>
34     </div>
35 </div>
36
37 @endsection
38
39
0 references | 0 overrides
23 public function dataTable(QueryBuilder $query): EloquentDataTable
24 {
25     return (new EloquentDataTable($query))
26         // ->addColumn('action', 'kategori.action')
27         ->addColumn('action', function ($kategori) {
28             return '<a href="' . route('updateview', $kategori->kategori_id) . '" class="btn btn-primary">Edit </a>';
29         })
30         ->setRowId('id');
31 }
```

4. Tambahkan action delete di datatables serta controllernya

```
1 reference | 0 overrides
44 public function delete($id)
45 {
46     $data = KategoriModel::find($id);
47
48     $data->delete();
49     return redirect('/kategori');
50
51 }
```


Nama : Krisna Andika Wijaya

Absen : 19

Kelas : 2H

```
23 public function dataTable(QueryBuilder $query): EloquentDataTable
24 {
25     return (new EloquentDataTable($query))
26         // ->addColumn('action', 'kategori.action')
27         ->addColumn('action', function ($kategori) {
28             return '<a href="' . route('updateview', $kategori->kategori_id) . '" class="btn btn-primary">Edit </a>
29             <a href="' . route('delete', $kategori->kategori_id) . '" class="btn btn-danger"> Delete </a>';
30         })
31         ->setRowId('id');
32 }
33
34 /**
35  * Get the query source of dataTable.
```