

**PRAKTIKUM MODUL 10  
PEMROGRAMAN FRAMEWORK  
LARAVEL THIRD PARTY PACKAGES**



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2024**

## Penerapan Laravel DataTables

Link Github: <https://github.com/elfill03/Pemrograman-Framework>

### Basic DataTables

1. Pertama menambahkan jumlah data untuk employee menjadi 200 pada EmployeeSeeder

The screenshot shows the EmployeeSeeder.php file in the code editor. The code defines a class EmployeeSeeder that extends Seeder. The run() method uses Employee::factory()->count(200)->create() to generate 200 records. Below the editor is a terminal window showing the command `php artisan db:seed --class=EmployeeSeeder` being run, with the output "INFO Seeding database.".

```
1 reference | 0 implementations
11 class EmployeeSeeder extends Seeder
12 {
13     /**
14      * Run the database seeds.
15      */
16     0 references | 0 overrides
17     public function run(): void
18     {
19         Employee::factory()->count(200)->create();
20     }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS DEVDB + v ... ^ x

PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan db:seed --class=EmployeeSeeder

INFO Seeding database.

PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba>

PHP node powershell

2. Melakukan instalasi package DataTables

The screenshot shows the terminal output of running `composer require yajra/laravel-datatables-oracle`. The output details the update process for the yajra/laravel-datatables-oracle package, including lock file operations, package operations, and a final message about generating optimized autoload files.

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> composer require yajra/laravel-datatables-oracle
./composer.json has been updated
Running composer update yajra/laravel-datatables-oracle
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking yajra/laravel-datatables-oracle (v10.11.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Downloading yajra/laravel-datatables-oracle (v10.11.4)
- Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
5 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.

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-oracle ..... DONE
```

```

● PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> npm install datatables.net-bs5 datatables.net-buttons-bs5

added 5 packages, and audited 46 packages in 4s

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.

```

### 3. Lakukan registrasi asset DataTables pada file app.js yang ada di folder /resources/js/app.js

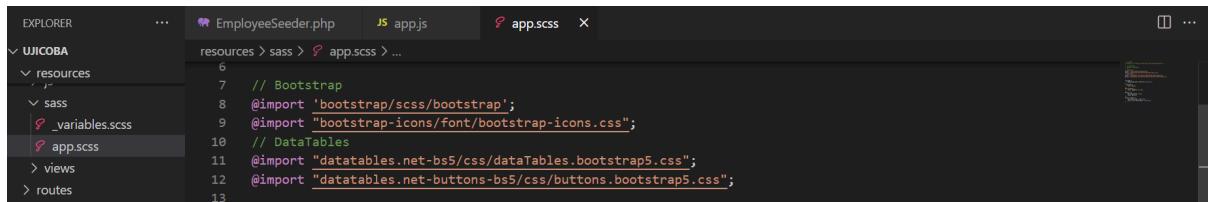


```

EmployeeSeeder.php JS app.js
resources > js > JS app.js
1 import './bootstrap';
2 import 'datatables.net-bs5';
3 import 'datatables.net-buttons-bs5';
4 import.meta.glob(['../images/**']);
5

```

### 4. Lakukan registrasi asset DataTables pada file app.js yang ada di folder /resources/sass/app.scss

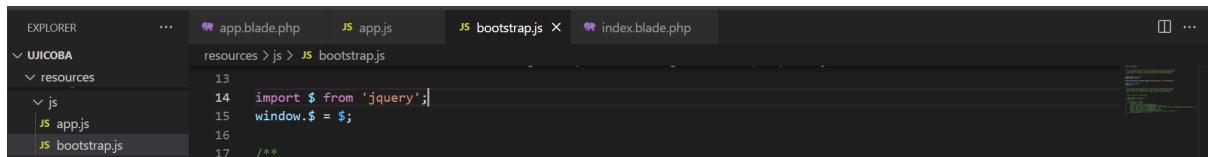


```

EmployeeSeeder.php JS app.js app.scss
resources > sass > app.scss ...
6 // Bootstrap
7 @import 'bootstrap/scss/bootstrap';
8 @import "bootstrap-icons/font/bootstrap-icons.css";
9 // DataTables
10 @import "datatables.net-bs5/css/dataTables.bootstrap5.css";
11 @import "datatables.net-bs5/css/dataTables.buttons.bootstrap5.css";
12 @import "datatables.net-buttons-bs5/css/buttons.bootstrap5.css";
13

```

### 5. Lakukan penambahan import jquery pada file /resources/js/bootstrap.js

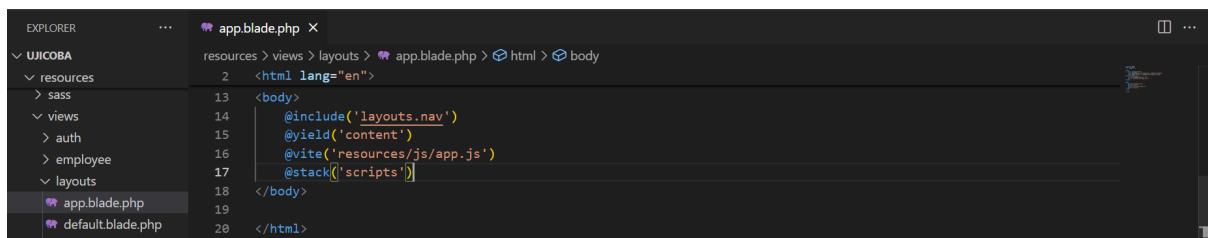


```

EmployeeSeeder.php JS app.js JS bootstrap.js index.blade.php
resources > js > JS bootstrap.js
13
14 import $ from 'jquery';
15 window.$ = $;
16
17 /**

```

### 6. Kemudian buka file view yang ada pada folder layouts bagian file app.blade.php tambahkan blade directive stack() dengan nama “scripts” (lane 17)



```

EmployeeSeeder.php JS app.js JS bootstrap.js index.blade.php
resources > views > layouts > app.blade.php > html > body
2 <html lang="en">
3   <body>
4     @include('layouts.nav')
5     @yield('content')
6     @vite('resources/js/app.js')
7     @stack('scripts')
8   </body>
9
10 </html>

```

### 7. Buka file view yang ada pada folder Employee bagian file index.blade.php tambahkan block blade directive push(). Serta tambahkan id pada tag <table> dengan nama employeeTable



```

EmployeeSeeder.php JS app.js JS bootstrap.js index.blade.php
resources > views > employee > index.blade.php > ...
43 @push('scripts')
44   <script type="module">
45     $(document).ready(function() {
46       $('#employeeTable').DataTable();
47     });
48   </script>
49 @endpush
50
51 @endsection

```

```

17     <table class="table table-bordered table-hover table-striped
18     mb-0 bg-white" id="employeeTable">

```

8. Lakukan pengecekan pada website apakah sudah berhasil instalasi DataTables

| First Name | Last Name | Email                          | Age | Position             | Actions |
|------------|-----------|--------------------------------|-----|----------------------|---------|
| Abelardo   | Hegmann   | kohler.rose@yahoo.com          | 37  | Electronics Engineer |         |
| Adam       | Volkman   | ureynolds@fadel.com            | 48  | Lawyer               |         |
| Adelia     | Luettgen  | dessie89@crona.net             | 47  | Stone Sawyer         |         |
| Aidan      | Gibson    | preston.cremin@hotmail.com     | 40  | Stone Sawyer         |         |
| Aimee      | Howe      | lang.luis@collier.org          | 37  | Electronics Engineer |         |
| Aimee      | Jast      | emmy37@stiedemann.com          | 38  | Stone Sawyer         |         |
| Akeem      | Larkin    | baumbach.rodolfo@abernathy.com | 26  | Stone Sawyer         |         |
| Alba       | Labadie   | marvin.modesta@hotmail.com     | 34  | Stone Sawyer         |         |
| Alec       | Connelly  | pauline83@hotmail.com          | 25  | Electronics Engineer |         |
| Alford     | Bechtelar | ruecker.beverly@anderson.com   | 36  | Electronics Engineer |         |

Showing 1 to 10 of 212 entries

## Server-side Processing DataTables

1. Buat Route baru pada file web.php yang mengarahkan ke method getData() pada EmployeeController

```

EXPLORER      ...   routes > web.php > ...
UJICOBAs > public
> resources
< routes
  api.php
  channels.php
  console.php
  web.php

```

```

routes > web.php > ...
188
189 // Week 10
190 Route::get('getEmployees', [
191 |   EmployeeController::class, 'getData'
192 |])->name('employees.getData');
193 |

```

2. Buat sebuah function dengan nama detData pada EmployeeController

```

EXPLORER      ...   EmployeeController.php > ...
UJICOBAs > .vscode
> app
> Console
> Exceptions
< Http
  < Controllers
    > Auth
    EmployeeController.php
    HomeController.php
    ProfileController.php
    RouteController.php
    Middlewares

```

```

app > Http > Controllers > EmployeeController.php > PHP > App\Http\Controllers\EmployeeController > getData()
13  class EmployeeController extends Controller
187  public function getData(Request $request)
188  {
189      $employees = Employee::with('position');
190      if ($request->ajax()) {
191          return datatables()->of($employees)
192              ->addIndexColumn()
193              ->addColumn('actions', function ($employee) {
194                  return view('_employee.actions', compact('employee'));
195              })
196              ->toJson();
197      }
198  }
199
200

```

3. Lakukan penyesuaian pada function index dimana terdapat perubahan dalam pengambilan data yang tidak perlu lagi menggunakan eloquent karena sudah digantikan dengan function getData()

```
web.php EmployeeController.php
app > Http > Controllers > EmployeeController.php > PHP Intelephense > EmployeeController > index
13 class EmployeeController extends Controller
14 {
15     |
16     |     0 references | 0 overrides
17     |     public function index()
18     |     {
19     |         |
20     |         $pageTitle = 'Employee List';
21     |
22     |         return view('employee.index', compact('pageTitle'));
23     |
24 }
```

4. Lakukan penyesuaian pada tag <table> bagian <thead>

```
resources > views > employee > index.blade.php
3 <div class="container mt-4">
4     <div class="table-responsive border p-3 rounded-3">
5         <table class="table table-bordered table-hover table-striped
6             mb-0 bg-white" id="employeeTable">
7             <thead>
8                 <tr>
9                     <th>ID</th>
10                    <th>No.</th>
11                    <th>First Name</th>
12                    <th>Last Name</th>
13                    <th>Email</th>
14                    <th>Age</th>
15                    <th>Position</th>
16                    <th>Actions</th>
17                </tr>
18            </thead>
```

5. Kemudian sesuaikan script DataTable nya

```
38 @push('scripts')
39     <script type="module">
40         $(document).ready(function() {
41             $('#employeeTable').DataTable({
42                 serverSide: true,
43                 processing: true,
44                 ajax: "/getEmployees",
45                 columns: [
46                     {
47                         data: "id",
48                         name: "id",
49                         visible: false
50                     },
51                     {
52                         data: "DT_RowIndex",
53                         name: "DT_RowIndex",
54                         orderable: false,
55                         searchable: false
56                     },
57                     {
58                         data: "firstname",
59                         name: "firstname"
60                     },
61                     {
62                         data: "lastname",
63                         name: "lastname"
64                     },
65                     {
66                         data: "email",
67                         name: "email"
```

```

65     },
66     {
67         data: "email",
68         name: "email"
69     },
70     {
71         data: "age",
72         name: "age"
73     },
74     {
75         data: "position.name",
76         name: "position.name"
77     },
78     {
79         data: "actions",
80         name: "actions",
81         orderable: false,
82         searchable: false
83     },
84 ],
85 order: [
86     [0, "desc"]
87 ],
88 lengthMenu: [
89     [10, 25, 50, 100, -1],
90     [10, 25, 50, 100, "All"]
91 ],
92 });
93 
```

## 6. Hilangkan isi dari tbody karena data tabel akan di generate melalui ajax

```

31 <tbody>
32 
33 </tbody>
```

## 7. Cek halaman employee list, ketika hendak menampilkan data maka akan ada proses seperti loading

| No. | First Name | Last Name   | Email                       | Age | Position               | Actions |
|-----|------------|-------------|-----------------------------|-----|------------------------|---------|
| 1   | Arielle    | Krajcik     | beer.ova@green.com          | 50  | Ceiling Tile Installer |         |
| 2   | Mozell     | Schamberger | margarett.adams@yahoo.com   | 37  | Agricultural Engineer  |         |
| 3   | Mohamed    | Parker      | ekassulke@wein              | 27  | Agricultural Engineer  |         |
| 4   | Loren      | Herman      | junior.torphy@yahoo.com     | 25  | Stone Sawyer           |         |
| 5   | Evie       | Towne       | vmurazik@gmail.com          | 28  | Lawyer                 |         |
| 6   | Cassidy    | Hand        | pearlie.koss@stanton.com    | 36  | Agricultural Engineer  |         |
| 7   | Piper      | Blanda      | schiller.myles@yahoo.com    | 26  | Electronics Engineer   |         |
| 8   | Chadrick   | Kassulke    | gay14@hotmail.com           | 28  | Ceiling Tile Installer |         |
| 9   | Jedidiah   | Schultz     | cjerde@gmail.com            | 35  | Lawyer                 |         |
| 10  | Darwin     | Tillman     | geraldine.emard@hotmail.com | 25  | Agricultural Engineer  |         |

Showing 1 to 10 of 212 entries

## Penerapan Laravel Sweet Alert

### 1. Instalasi package laravel Sweet Alert melalui terminal

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> composer require realrashid/sweetalert2
./composer.json has been updated
Running composer update realrashid/sweetalert2
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking realrashid/sweetalert2 (v7.1.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Downloading realrashid/sweetalert2 (v7.1.1)
- Installing realrashid/sweetalert2 (v7.1.1): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

INFO Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
laravel/ui ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
realrashid/sweetalert ..... DONE
spatie/laravel-ignition ..... DONE
yajra/laravel-datables-oracle ..... DONE

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

### 2. Kemudian tambahkan blade directive include() untuk menerapkan package Sweet Alert pada folder layouts file app.blade.php (lane 17)

A screenshot of a code editor showing the contents of the app.blade.php file. The file is located at resources > views > layouts > app.blade.php. The code includes the following lines:

```
2   <html lang="en">
3     <body>
4       @include('layouts.nav')
5       @yield('content')
6       @vite('resources/js/app.js')
7       @include(['sweetalert::alert'])
8       @stack('scripts')
9     </body>
10
11   </html>
```

The line @include(['sweetalert::alert']) is highlighted in yellow, indicating it is the target of the modification described in the step.

### 3. Publish asset dari Sweet Alert via Artisan

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan sweetalert:publish

INFO Publishing [sweetalert-config] assets.

Copying file [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\vendor\realrashid\sweetalert\src\config\sweetalert.php] to [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\config\sweetalert.php] DONE

INFO Publishing [sweetalert-view] assets.

Copying directory [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\vendor\realrashid\sweetalert\resources\views] to [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\resources\vendor\sweetalert] DONE

INFO Publishing [sweetalert-asset] assets.

Copying directory [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\vendor\realrashid\sweetalert\resources\js] to [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\public\vendor\sweetalert] DONE
```

### 4. Kemudian buka EmployeeController dan tambahkan sweet alert pada function store(), update(), dan destroy()

```

web.php EmployeeController.php index.blade.php app.blade.php
app > Http > Controllers > EmployeeController.php > ...
13 class EmployeeController extends Controller
35 public function store(Request $request)
75
76     Alert::success('Added Successfully', 'Employee Data Added Successfully.');
77
web.php EmployeeController.php index.blade.php app.blade.php
app > Http > Controllers > EmployeeController.php > PHP > App\Http\Controllers\EmployeeController > update()
13 class EmployeeController extends Controller
110 public function update(Request $request, string $id)
157     Alert::success('Changed Successfully', 'Employee Data Changed successfully.');
158
159     return redirect()->route('employees.index');
160 }
161
web.php EmployeeController.php index.blade.php app.blade.php
app > Http > Controllers > EmployeeController.php > PHP > App\Http\Controllers\EmployeeController > destroy()
13 class EmployeeController extends Controller
165 public function destroy(string $id)
177     Alert::success('Deleted Successfully', 'Employee Data Deleted Successfully.');
178
179     return redirect()->route('employees.index');
180 }

```

Tidak lupa tambahkan import statement dari Sweet Alert (lane 9)

```

web.php EmployeeController.php index.blade.php app.blade.php
app > Http > Controllers > EmployeeController.php > PHP > App\Http\Controllers\EmployeeController > update()
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use Illuminate\Support\Facades\Validator;
7 use Illuminate\Support\Facades\Storage;
8 use Illuminate\Support\Str;
9 use RealRashid\SweetAlert\Facades\Alert;
10 use App\Models\Employee;
11 use App\Models\Position;

```

5. Buka file view dengan nama actions.blade.php kemudian sesuaikan buttonnya dengan menambahkan “btn-delete” pada class dan atribut “data-name” seperti berikut

```

web.php EmployeeController.php index.blade.php actions.blade.php
resources > views > employee > actions.blade.php > div.d-flex > div > form > button.btn.btn-outline-dark.btn-sm.me-2.btn-delete
1 <div class="d-flex">
2 <div>
3     <form action="{{ route('employees.destroy', ['employee' => $employee->id]) }}" method="POST">
4         @method('DELETE')
5         <button type="submit" class="btn btn-outline-dark btn-sm me-2 btn-delete"
6             data-name="{{ $employee->firstname . ' ' . $employee->lastname }}"
7             <i class="bi-trash"></i>
8         </button>
9     </form>
10
11
12
13
14

```

6. Kemudian buka index.blade.php dan tambahkan “datatable” pada class tag <table>

```

web.php EmployeeController.php index.blade.php actions.blade.php
blade.php > div.container.mt-4 > div.table-responsive.border.p-3.rounded-3 > table#employeeTable.table.table-bordered.table-hover.table-striped.mb-0.bg-white.datatable
3     <div class="container mt-4">
4         <div class="table-responsive border p-3 rounded-3">
5             <table class="table table-bordered table-hover table-striped
6                 mb-0 bg-white datatable" id="employeeTable">

```

7. Selanjutnya pada bagian pada block blade directive push() tambahkan code seperti berikut yang gunanya untuk mengakses Sweet Alert (lane 91-107)

```

resources > views > employee > index.blade.php > script > <function>
39     <script type="module">
40         $(document).ready(function() {
41             $(".datatable").on("click", ".btn-delete", function(e) {
42                 e.preventDefault();
43                 var form = $(this).closest("form");
44                 var name = $(this).data("name");
45                 Swal.fire({
46                     title: "Are you sure want to delete\n" + name + "?",
47                     text: "You won't be able to revert this!",
48                     icon: "warning",
49                     showCancelButton: true,
50                     confirmButtonClass: "bg-primary",
51                     confirmButtonText: "Yes, delete it!",
52                 }).then((result) => {
53                     if (result.isConfirmed) {
54                         form.submit();
55                     }
56                 });
57             });
58         });
59     </script>
60     @endpush

```

8. Pada EmployeeController bagian function index() tambahkan method confirmDelete()

```

app > Http > Controllers > EmployeeController.php > PHP Intelephense > EmployeeController > <function> index()
13     class EmployeeController extends Controller
14     {
15         public function index()
16         {
17             $pageTitle = 'Employee List';
18
19             confirmDelete();
20
21             return view('employee.index', compact('pageTitle'));
22         }
23     }

```

9. Terakhir coba akses fitur create, edit, dan delete dari website employee

The screenshot shows a web application interface for managing employees. At the top, there's a navigation bar with links for Data Master, Home, and Employee. On the right, there's a user profile for 'admin'. Below the navigation, the main content area is titled 'Employee List'. It features a table with columns for No., First Name, Last Name, Email, Age, Profession, and Actions. A modal window is overlaid on the page, containing a green checkmark icon, the message 'Added Successfully', and a link to 'Employee Data Added Successfully.' There's also an 'OK' button at the bottom of the modal.

localhost:8000/employees

Data Master Home Employee admin

### Employee List

Create Employee

| No. | First Name | Last Name   |
|-----|------------|-------------|
| 1   | rafael     | fillah      |
| 2   | rafael     | fillah      |
| 3   | Arielle    | Krajcik     |
| 4   | Mozell     | Schamberger |
| 5   | Mohamed    | Parker      |
| 6   | Loren      | Herman      |
| 7   | Evie       | Towne       |
| 8   | Cassidy    | Hand        |
| 9   | Piper      | Blanda      |
| 10  | Chadrick   | Kassulke    |

Changed Successfully

Employee Data Changed Successfully.

OK

| Action                 | Actions         |
|------------------------|-----------------|
| Cultural Engineer      | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Lawyer                 | [Edit] [Delete] |
| Agricultural Engineer  | [Edit] [Delete] |
| Electronics Engineer   | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |

localhost:8000/employees

Data Master Home Employee admin

### Employee List

Create Employee

| No. | First Name | Last Name   |
|-----|------------|-------------|
| 1   | rafael     | fillah      |
| 2   | rafael     | fillah      |
| 3   | Arielle    | Krajcik     |
| 4   | Mozell     | Schamberger |
| 5   | Mohamed    | Parker      |
| 6   | Loren      | Herman      |
| 7   | Evie       | Towne       |
| 8   | Cassidy    | Hand        |
| 9   | Piper      | Blanda      |
| 10  | Chadrick   | Kassulke    |

Are you sure want to delete rafael fillah?

You won't be able to revert this!

Yes, delete it! Cancel

| Action                 | Actions         |
|------------------------|-----------------|
| Cultural Engineer      | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Sawyer                 | [Edit] [Delete] |
| Lawyer                 | [Edit] [Delete] |
| Agricultural Engineer  | [Edit] [Delete] |
| Electronics Engineer   | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |

localhost:8000/employees

Data Master Home Employee admin

### Employee List

Create Employee

| No. | First Name | Last Name   |
|-----|------------|-------------|
| 1   | rafael     | fillah      |
| 2   | Arielle    | Krajcik     |
| 3   | Mozell     | Schamberger |
| 4   | Mohamed    | Parker      |
| 5   | Loren      | Herman      |
| 6   | Evie       | Towne       |
| 7   | Cassidy    | Hand        |
| 8   | Piper      | Blanda      |
| 9   | Chadrick   | Kassulke    |
| 10  | Jedidiah   | Schultz     |

Deleted Successfully

Employee Data Deleted Successfully.

OK

| Action                 | Actions         |
|------------------------|-----------------|
| Ceiling Tile Installer | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Cultural Engineer      | [Edit] [Delete] |
| Sawyer                 | [Edit] [Delete] |
| Lawyer                 | [Edit] [Delete] |
| Agricultural Engineer  | [Edit] [Delete] |
| Electronics Engineer   | [Edit] [Delete] |
| Ceiling Tile Installer | [Edit] [Delete] |

# Penerapan Laravel Excel

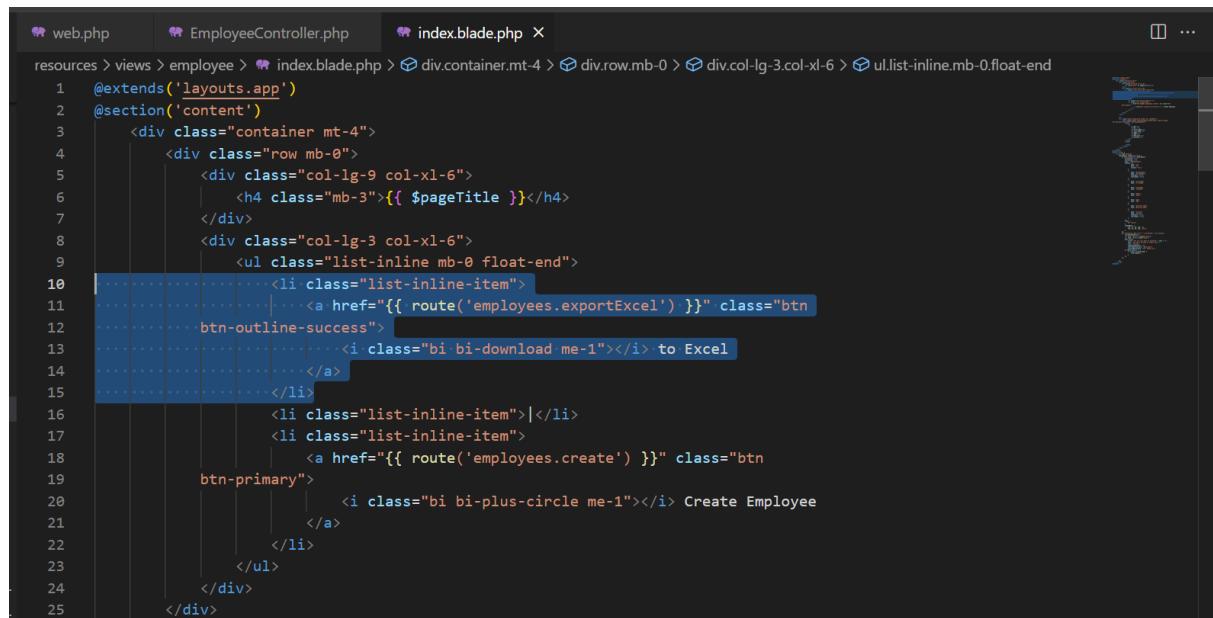
## 1. Pertama instalasi package laravel excel

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> composer require maatwebsite/excel
./composer.json has been updated
Running composer update maatwebsite/excel
Loading composer repositories with package information
Updating dependencies
Lock file operations: 2 installs, 0 updates, 0 removals
- Locking maatwebsite/excel (v1.1.5)
- Locking phopoffice/phpexcel (1.8.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
- Installing phopoffice/phpexcel (1.8.1): Extracting archive
- Installing maatwebsite/excel (v1.1.5): Extracting archive
Package phopoffice/phpexcel is abandoned, you should avoid using it. Use phopoffice/phpspreadsheet instead.
Generating optimized autoload files
Class PHPExcel_Properties located in C:/Users/Lenovo/OneDrive/Documents/KULIAH/Pemrograman Framework/Modul 10\ujicoba/vendor/phopoffice/phpexcel/Classes/PHPExcel/Chart/Properties.php does not comply with psr-0 autoloading standard. Skipping.
Class PHPExcel_Best_Fit located in C:/Users/Lenovo/OneDrive/Documents/KULIAH/Pemrograman Framework/Modul 10\ujicoba/vendor/phopoffice/phpexcel/Classes/PHPExcel/Shared/trend/bestFitClass.php does not comply with psr-0 autoloading standard. Skipping.
Class PHPExcel_Exponential_Best_Fit located in C:/Users/Lenovo/OneDrive/Documents/KULIAH/Pemrograman Framework/Modul 10\ujicoba/vendor/phopoffice/phpexcel/Classes/PHPExcel/Shared/trend/exponentialBestFitClass.php does not comply with psr-0 autoloading standard. Skipping.
```

## 2. Karena terdapat warning yang mengarah pada instalasi package excel maka dependensi yang terinstall tidak keseluruhan dan file yang akan dipublish tidak ditemukan

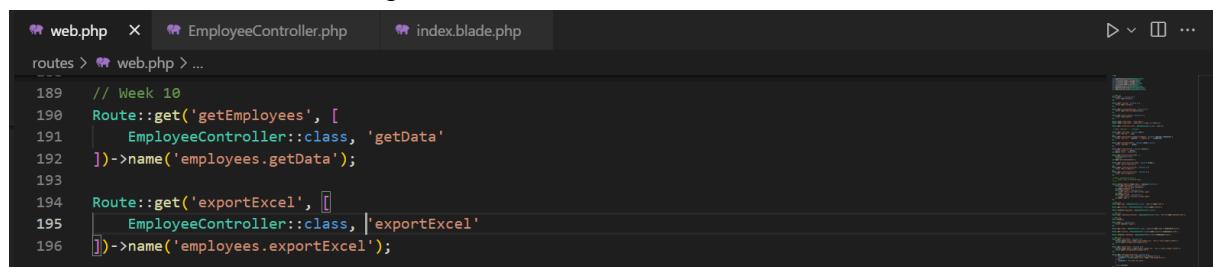
```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan vendor:publish --provider="Maatwebsite\Excel\ExcelServiceProvider" --tag=config
INFO No publishable resources for tag [config].
```

## 3. Buat sebuah button untuk melakukan export data melalui file excel pada halaman index (lane 10-15)



```
resources > views > employee > index.blade.php > div.container.mt-4 > div.row.mb-0 > div.col-lg-3.col-xl-6 > ul.list-inline.mb-0.float-end
1  @extends('layouts.app')
2  @section('content')
3      <div class="container mt-4">
4          <div class="row mb-0">
5              <div class="col-lg-9 col-xl-6">
6                  <h4 class="mb-3" style="color: #007bff;">{{ $pageTitle }}
7              </div>
8              <div class="col-lg-3 col-xl-6">
9                  <ul class="list-inline mb-0 float-end">
10                     <li class="list-inline-item">
11                         <a href="{{ route('employees.exportExcel') }}" class="btn btn-outline-success">
12                             <i class="bi bi-download me-1" style="font-size: 1.2em;"></i> to Excel
13                         </a>
14                     </li>
15                     <li class="list-inline-item"></li>
16                     <li class="list-inline-item">
17                         <a href="{{ route('employees.create') }}" class="btn btn-primary">
18                             <i class="bi bi-plus-circle me-1" style="font-size: 1.2em;"></i> Create Employee
19                         </a>
20                     </li>
21                 </ul>
22             </div>
23         </div>
24     </div>
25 </div>
```

## 4. Buat sebuah route untuk export file excel



```
routes > web.php > ...
189 // Week 10
190 Route::get('getEmployees', [
191     EmployeeController::class, 'getData'
192 ])->name('employees.getData');
193
194 Route::get('exportExcel', [
195     EmployeeController::class, '|exportExcel'
196 ])->name('employees.exportExcel');
```

5. Buat file Export dengan nama EmployeeExport, namun karena pada instalasi dependensi untuk excel pada tahap sebelumnya tidak terinstall semua maka tahapan berikut tidak dapat berjalan

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan make:export EmployeesExport --model=Employee

ERROR Command "make:export" is not defined. Did you mean one of these?

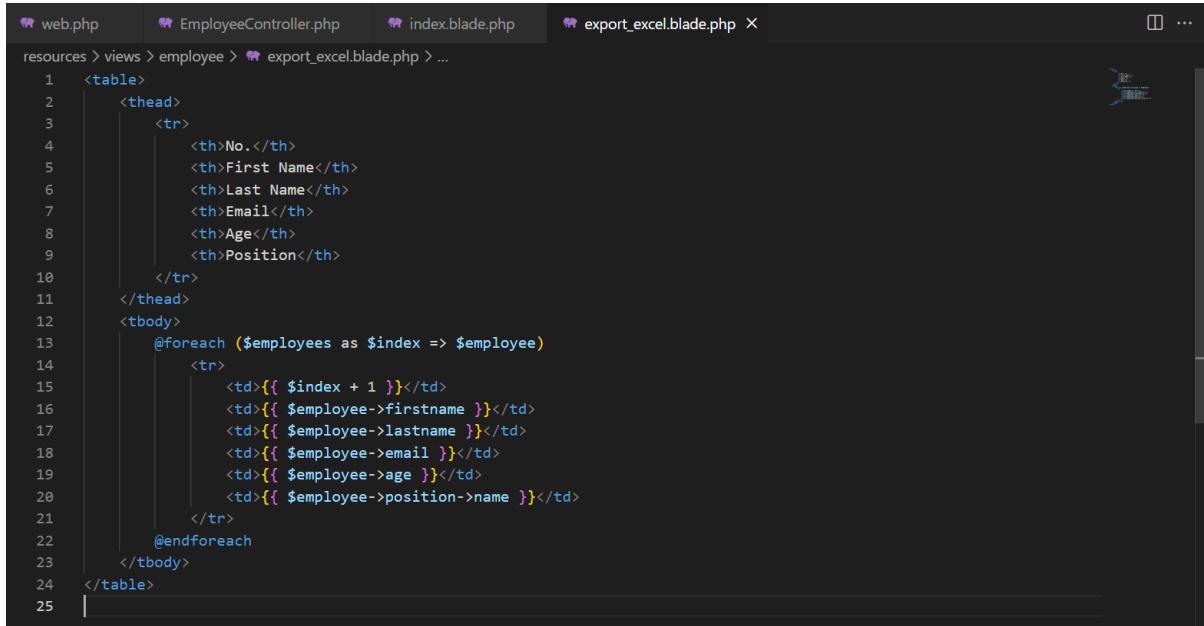
  \ make:cast
  \ make:channel
  \ make:command
  \ make:component
  \ make:controller
  \ make:event
  \ make:exception
  \ make:factory
```

6. Untuk tahapan Edit atau ubah file EmployeesExport tidak dapat dilanjutkan karena file model tidak dapat di generate. Namun isian dari file EmployeeExport seperti berikut:

```
<?php
namespace App\Exports;
use App\Models\Employee;
use Illuminate\Contracts\View\View;
use Maatwebsite\Excel\Concerns\FromView;
use Maatwebsite\Excel\Concerns\ShouldAutoSize;
use Maatwebsite\Excel\Concerns\WithStyles;
use PhpOffice\PhpSpreadsheet\Worksheet\Worksheet;
class EmployeesExport implements FromView, WithStyles, ShouldAutoSize

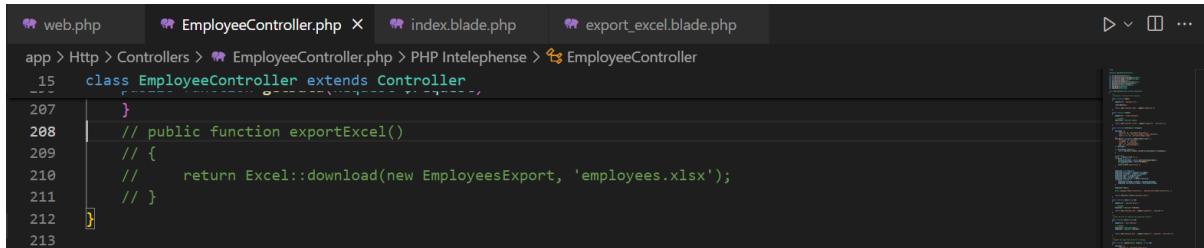
{ public function styles(Worksheet $sheet) { return [ 1 => ['font' => ['bold' => true]], ]; }
public function view(): View { return view('employee.export_excel', [ 'employees' => Employee::all() ]); } }
```

7. Kemudian buat sebuah file view dengan nama export\_excel.blade.php pada folder employee dengan isian sebagai berikut



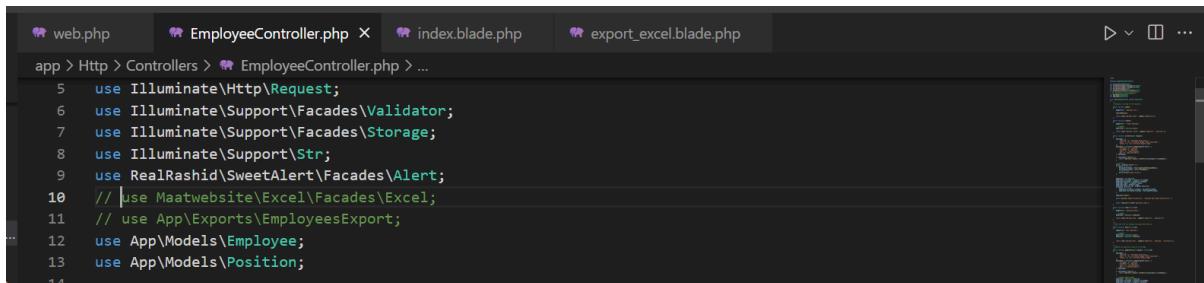
```
1 <table>
2   <thead>
3     <tr>
4       <th>No.</th>
5       <th>First Name</th>
6       <th>Last Name</th>
7       <th>Email</th>
8       <th>Age</th>
9       <th>Position</th>
10    </tr>
11  </thead>
12  <tbody>
13    @foreach ($employees as $index => $employee)
14      <tr>
15        <td>{{ $index + 1 }}</td>
16        <td>{{ $employee->firstname }}</td>
17        <td>{{ $employee->lastname }}</td>
18        <td>{{ $employee->email }}</td>
19        <td>{{ $employee->age }}</td>
20        <td>{{ $employee->position->name }}</td>
21      </tr>
22    @endforeach
23  </tbody>
24 </table>
25
```

8. Pada EmployeeController buat sebuah function dengan nama exportExcel()



```
15 class EmployeeController extends Controller
16 {
17     ...
18
19     // public function exportExcel()
20     // {
21     //     return Excel::download(new EmployeesExport, 'employees.xlsx');
22     // }
23 }
```

Kemudian tambahkan import statementnya (lane 10-11)



```
5 use Illuminate\Http\Request;
6 use Illuminate\Support\Facades\Validator;
7 use Illuminate\Support\Facades\Storage;
8 use Illuminate\Support\Str;
9 use RealRashid\SweetAlert\Facades\Alert;
10 // use Maatwebsite\Excel\Facades\Excel;
11 // use App\Exports\EmployeesExport;
12 use App\Models\Employee;
13 use App\Models\Position;
```

9. Untuk hasil akhir fitur export excel tidak dapat berjalan/error.

# Penerapan Laravel DomPdf

## 1. Pertama instalasi package untuk laravel domPdf

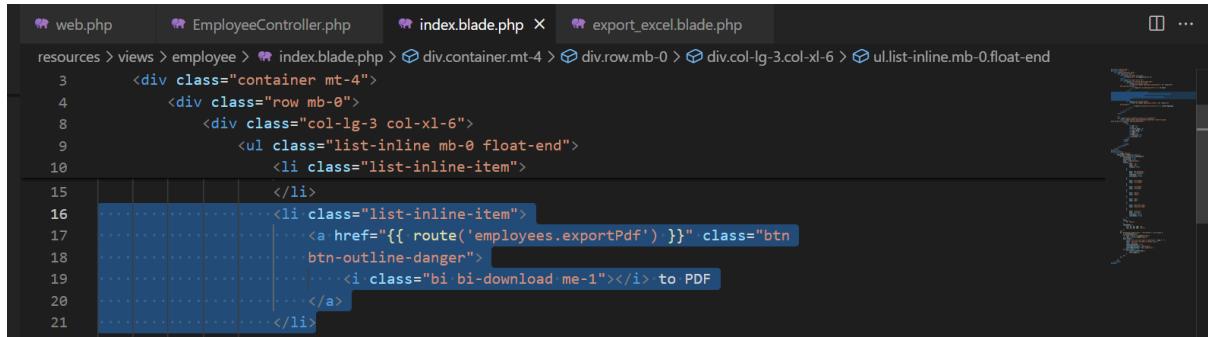
```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> composer require barryvdh/laravel-dompdf
./composer.json has been updated
Running composer update barryvdh/laravel-dompdf
Loading composer repositories with package information
Updating dependencies
Lock file operations: 6 installs, 0 updates, 0 removals
```

## 2. Lakukan publikasi file vendor untuk domPdf

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan vendor:publish --provider="Barryvdh\DomPDF\ServiceProvider"
INFO Publishing assets.

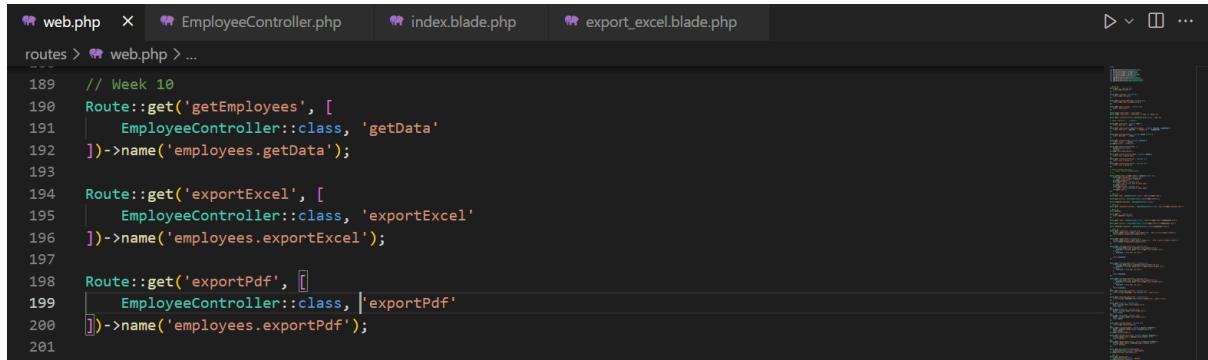
Copying file [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\vendor\barryvdh\laravel-dompdf\config\dompdf.php] to [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\config\dompdf.php] DONE
```

## 3. Buka file index.blade.php dan tambahkan button untuk melakukan download pdf



```
resources > views > employee > index.blade.php > div.container.mt-4 > div.row.mb-0 > div.col-lg-3.col-xl-6 > ul.list-inline.mb-0.float-end
3     <div class="container mt-4">
4         <div class="row mb-0">
8             <div class="col-lg-3 col-xl-6">
9                 <ul class="list-inline mb-0 float-end">
10                    <li class="list-inline-item">
11                    </li>
16                    <li class="list-inline-item">
17                        <a href="{!! route('employees.exportPdf') !!}" class="btn
18                            btn-outline-danger">
19                            <i class="bi bi-download me-1"></i> to PDF
20                        </a>
21                    </li>
```

## 4. Buat route baru untuk melakukan download pdf



```
routes > web.php > ...
189 // Week 10
190 Route::get('getEmployees', [
191     EmployeeController::class, 'getData'
192 ])->name('employees.getData');
193
194 Route::get('exportExcel', [
195     EmployeeController::class, 'exportExcel'
196 ])->name('employees.exportExcel');
197
198 Route::get('exportPdf', [
199     EmployeeController::class, 'exportPdf'
200 ])->name('employees.exportPdf');
```

## 5. Kemudian buat file view baru pada folder employee dengan nama export\_pdf.blade.php

```

1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <meta http-equiv="X-UA-Compatible" content="ie=edge">
8   <title>Employee List</title>
9   <style>
10    html {
11      font-size: 12px;
12    }
13
14    .table {
15      border-collapse: collapse !important;
16      width: 100%;
17    }
18
19    .table-bordered th,
20    .table-bordered td {
21      padding: 0.5rem;
22      border: 1px solid black !important;
23    }
24  </style>
25 </head>
26
27 <body>
28   <h1>Employee List</h1>
29   <table class="table table-bordered">
30     <thead>
31       <tr>
32         <th>No.</th>
33         <th>First Name</th>
34         <th>Last Name</th>
35         <th>Email</th>
36         <th>Age</th>
37         <th>Position</th>
38       </tr>
39     </thead>
40     <tbody>
41       @foreach ($employees as $index => $employee)
42         <tr>
43           <td align="center">{{ $index + 1 }}</td>
44           <td>{{ $employee->firstname }}</td>
45           <td>{{ $employee->lastname }}</td>
46           <td>{{ $employee->email }}</td>
47           <td align="center">{{ $employee->age }}</td>
48           <td>{{ $employee->position->name }}</td>
49         </tr>
50       @endforeach
51     </tbody>
52   </table>
53 </body>
54 </html>

```

## 6. Pada EmployeeController buat sebuah function baru dengan nama exportPdf()

```

16 class EmployeeController extends Controller
214
215   public function exportPdf()
216   {
217     $employees = Employee::all();
218     $pdf = PDF::loadView('employee.export_pdf', compact('employees'));
219     return $pdf->download('employees.pdf');
220   }
221
222

```

Kemudian tambahkan import statement untuk pdf (line 12)

```

web.php          EmployeeController.php X index.blade.php      export_excel.blade.php      export_pdf.blade.php
app > Http > Controllers > EmployeeController.php > ...
6  use Illuminate\Support\Facades\Validator;
7  use Illuminate\Support\Facades\Storage;
8  use Illuminate\Support\Str;
9  use RealRashid\SweetAlert\Facades\Alert;
10 // use Maatwebsite\Excel\Facades\Excel;
11 // use App\Exports\EmployeesExport;
12 use Barryvdh\DomPDF\Facade\PDF;
13 use App\Models\Employee;
14 use App\Models\Position;

```

7. Terakhir lakukan percobaan untuk fitur download pdf, apabila berhasil di download maka fitur download pdf berhasil

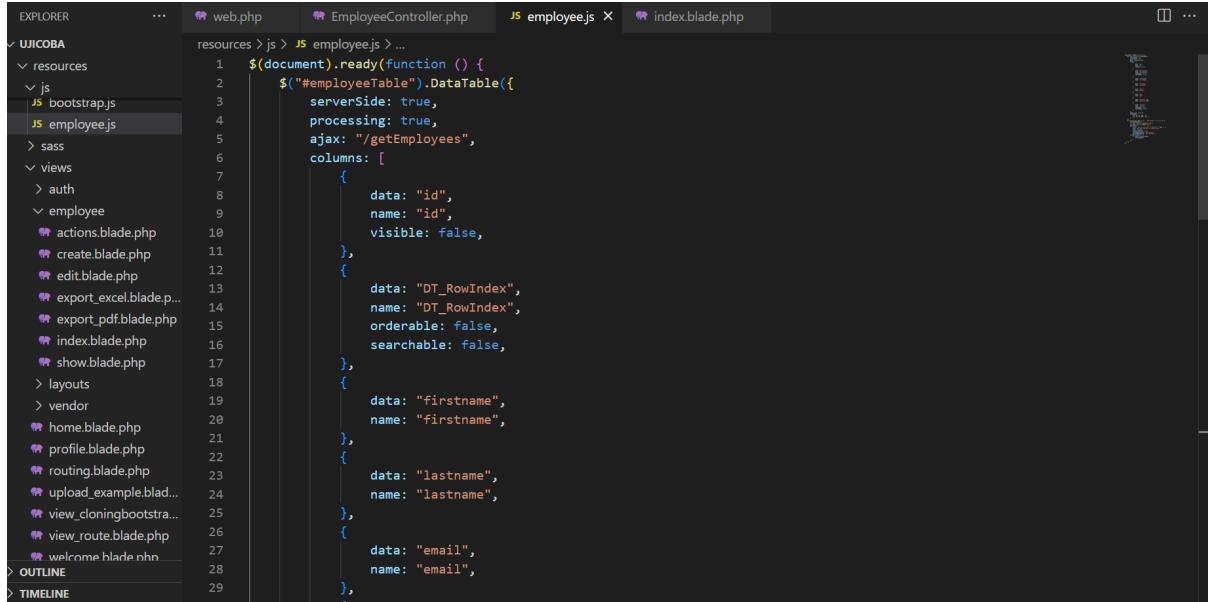
The screenshot shows a browser window with the URL [localhost:8000/employees](http://localhost:8000/employees). The page title is "Employee List". There are buttons for "to Excel" and "to PDF". A download dialog box is overlaid on the page, titled "Download File Info". It shows the URL as <http://localhost:8000/exportpdf>, the category as "Documents", and the save path as "Downloads/employees.pdf". The file size is 37,73 KB. The dialog has "Download Later", "Start Download", and "Cancel" buttons.

The screenshot shows a PDF viewer window displaying the "Employee List" document. The PDF contains a table with 17 rows of employee data, matching the data shown in the download dialog. The columns are labeled: No., First Name, Last Name, Email, Age, and Position.

| No. | First Name | Last Name     | Email                         | Age | Position               |
|-----|------------|---------------|-------------------------------|-----|------------------------|
| 1   | Wilford    | Gorcany       | mkreiger@hotmail.com          | 30  | Electronics Engineer   |
| 2   | Lexus      | Rice          | rosenbaum.norval@koch.com     | 47  | Stone Sawyer           |
| 3   | Betsy      | Osinski       | verdie96@wisoky.org           | 43  | Lawyer                 |
| 4   | Rahul      | Wolf          | bwhite@yahoo.com              | 30  | Ceiling Tile Installer |
| 5   | Akeem      | Larkin        | baumbach.rodlfo@abernathy.com | 26  | Stone Sawyer           |
| 6   | Wimifred   | Gleason       | general.koelpin@keebler.com   | 44  | Ceiling Tile Installer |
| 7   | Karlee     | Haley         | mwaelchi@gmail.com            | 46  | Stone Sawyer           |
| 8   | Rowland    | Greenfelder   | keenan30@hotmail.com          | 34  | Stone Sawyer           |
| 9   | Luigi      | Medhurst      | domingo25@mayer.com           | 48  | Stone Sawyer           |
| 10  | Betsy      | Purdy         | dsporter@yahoo.com            | 50  | Electronics Engineer   |
| 11  | rafael     | fillah        | zzztes@gmail.com              | 22  | Electronics Engineer   |
| 12  | Rafael     | Firmansyah    | testing41323@gmail.com        | 25  | Electronics Engineer   |
| 13  | Haven      | Runolfsdottir | ivah.lang@krnjcik.org         | 43  | Ceiling Tile Installer |
| 14  | Vern       | Waters        | maybell27@tremblay.com        | 30  | Stone Sawyer           |
| 15  | Cathrine   | Wintheiser    | carlos64@yahoo.com            | 40  | Agricultural Engineer  |
| 16  | Kendrick   | Romaguera     | kozey.gunner@blick.com        | 35  | Stone Sawyer           |
| 17  | Ravmond    | Rutherford    | noma.murazik@viewand.biz      | 50  | Agricultural Engineer  |

## Memindahkan dan Memisahkan Kode Javascript

- Buat file employee.js pada direktori /resources/js/. Kemudian pindahkan block direactive push() yang ada pada file index.blade.php kedalam file employee.js



The screenshot shows the VS Code interface with the EmployeeController.php file open. The employee.js code has been moved from the index.blade.php file to this controller file. The code is a jQuery script for initializing a DataTable on the '#employeeTable' element.

```
$document).ready(function () {
    $("#employeeTable").DataTable({
        serverSide: true,
        processing: true,
        ajax: "/getEmployees",
        columns: [
            {
                data: "id",
                name: "id",
                visible: false,
            },
            {
                data: "DT_RowIndex",
                name: "DT_RowIndex",
                orderable: false,
                searchable: false,
            },
            {
                data: "firstname",
                name: "firstname",
            },
            {
                data: "lastname",
                name: "lastname",
            },
            {
                data: "email",
                name: "email",
            },
        ],
    });
});
```

- Tambahkan import js dari employee.js (lane 4) pada file app.js yang ada di folder resources/js



The screenshot shows the VS Code interface with the app.js file open. An import statement for 'employee' has been added to the file, indicating that the module will be loaded from the ./employee directory.

```
import './bootstrap';
import 'datatables.net-bs5';
import 'datatables.net-buttons-bs5';
import './employee';
import.meta.glob(['./images/**']);
```

- Terakhir lakukan pengecekan pada website apabila tidak error maka pemindahan js berhasil

# Penerapan Laravel Charts (Larapex)

## 1. Pertama lakukan instalasi package laravel charts

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> composer require arielmejiadev/larapex-charts
./composer.json has been updated
Running composer update arielmejiadev/larapex-charts
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
- Locking arielmejiadev/larapex-charts (8.1.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Downloading arielmejiadev/larapex-charts (8.1.0)
- Installing arielmejiadev/larapex-charts (8.1.0): Extracting archive
```

## 2. Kemudian publikasikan file dari laravel charts

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan vendor:publish --tag=larapex-charts-config
INFO Publishing [larapex-charts-config] assets.

Copying file [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\vendor\arielmejiadev\larapex-charts\config\larapex-charts.php] to [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\config\larapex-charts.php] DONE
```

## 3. Buat sebuah bar chart pada terminal dengan nama EmployeeChart

```
PS C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba> php artisan make:chart EmployeesChart
Select a chart type:
[0] Pie Chart
[1] Donut Chart
[2] Radial Bar Chart
[3] Polar Area Chart
[4] Line Chart
[5] Area Chart
[6] Bar Chart
[7] Horizontal Bar Chart
[8] Heatmap Chart
[9] Radar Chart
> 6

INFO Chart class [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 10\ujicoba\app\Charts\EmployeesChart.php] created successfully.
```

## 4. Pada file EmployeesChart.php sesuaikan isi function seperti berikut

```
web.php EmployeeController.php HomeController.php EmployeesChart.php 1 index.blade.php

app > Charts > EmployeesChart.php > PHP > App\Charts\EmployeesChart

3 namespace App\Charts;
4 use App\Models\Position;
5 use ArielMejiaDev\LarapexCharts\LarapexChart;
6
7 2 references | 0 implementations
8 class EmployeesChart
9 {
10     2 references
11     protected $chart;
12
13     0 references | 0 overrides
14     public function __construct(LarapexChart $chart)
15     {
16         $this->chart = $chart;
17     }
18
19     1 reference | 0 overrides
20     public function build(): \ArielMejiaDev\LarapexCharts\BarChart
21     {
22         $positions = Position::withCount('employees')->get();
23         $positionsLabels = $positions->pluck('name')->toArray();
24         $employeesCount = $positions->pluck('employees_count')->toArray();
25         return $this->chart->barChart()
26             ->setTitle('Posisi')
27             ->setSubtitle('Posisi dengan Jumlah Karyawan Terbanyak')
28             ->addData('Jumlah Karyawan', $employeesCount)    Undefined method 'addData'.
29             ->setXAxis($positionsLabels);
30     }
31 }
```

5. Pada HomeController ubah function index menjadi seperti ini

```
web.php EmployeeController.php HomeController.php EmployeesChart.php 1 index.blade.php

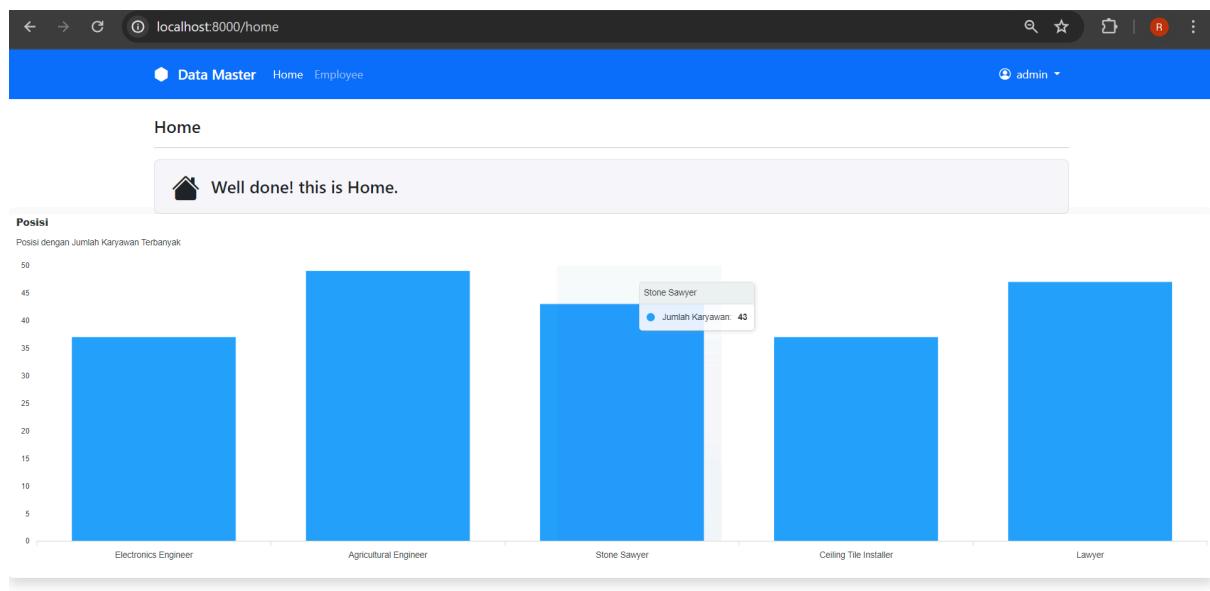
app > Http > Controllers > HomeController.php > ...
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use App\Charts\EmployeesChart;
7
8 class HomeController extends Controller
9 {
10     2 references | 0 overrides
11     function index(EmployeesChart $chart)
12     {
13         $pageTitle = 'Home';
14         return view('home', [
15             'pageTitle' => $pageTitle,
16             'chart' => $chart->build()
17         ]);
18     }
19 }
```

6. Kemudian pada file view home.blade.php tambahkan code untuk menampilkan chart

```
web.php EmployeeController.php HomeController.php EmployeesChart.php 1 index.blade.php home.blade.php

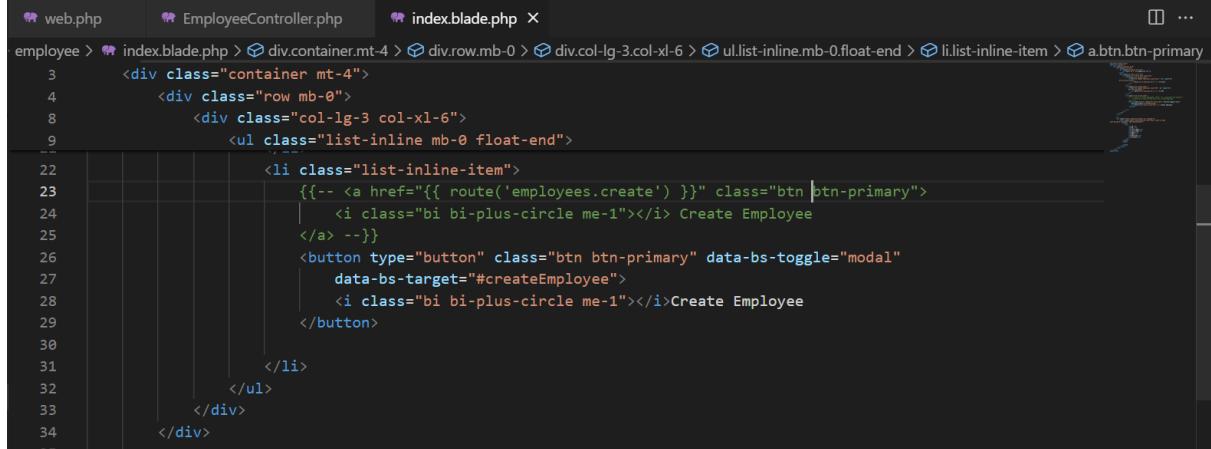
resources > views > home.blade.php > ...
1 @extends('layouts.app')
2 @section('content')
3     @include('layouts.default')
4     <div class="p-6 m-20 bg-white rounded shadow">
5         {!! $chart->container() !!}
6     </div>
7     <script src="{{ $chart->cdn() }}"></script>
8     {{ $chart->script() }}
9     @endsection
10 
```

7. Terakhir cek apakah chart sudah muncul pada halaman home



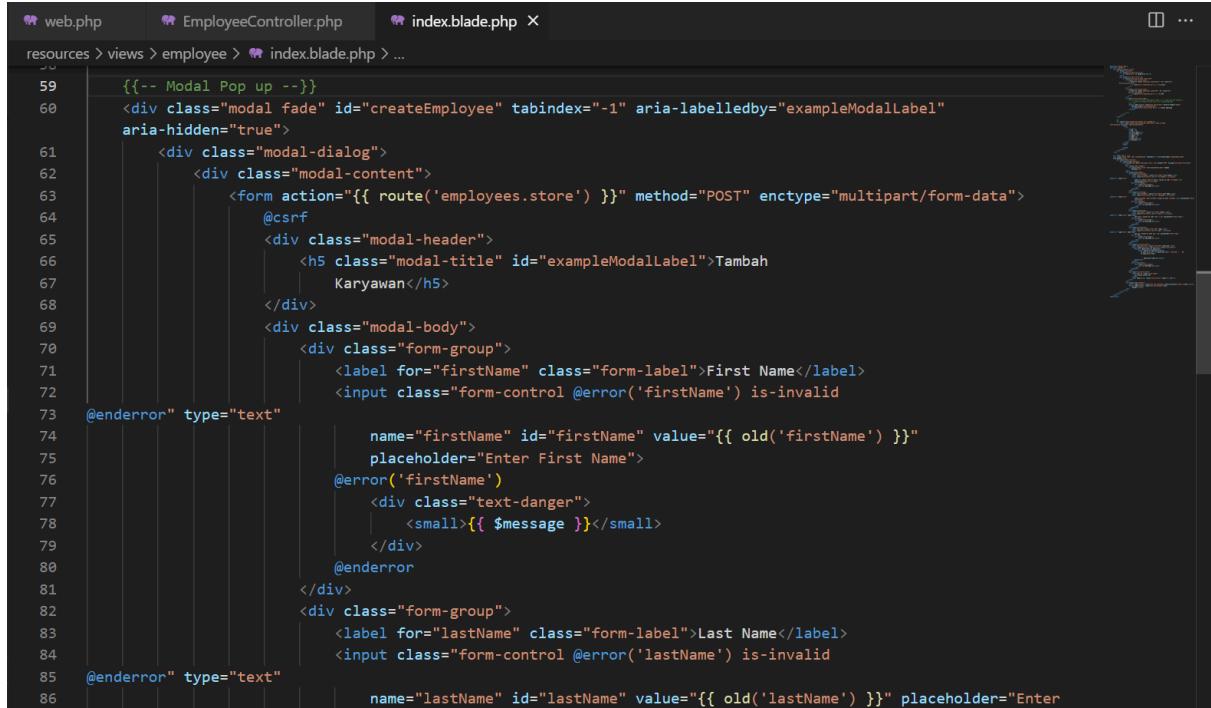
## Penerapan Modal Pop Up

1. Nonaktifkan button create employee pada file index.blade.php kemudian gantikan dengan tampilan yang serupa



```
web.php EmployeeController.php index.blade.php
employee > index.blade.php > div.container.mt-4 > div.row.mb-0 > div.col-lg-3.col-xl-6 > li.list-inline.mb-0.float-end > li.list-inline-item > a.btn.btn-primary
3     <div class="container mt-4">
4         <div class="row mb-0">
8             <div class="col-lg-3 col-xl-6">
9                 <ul class="list-inline mb-0 float-end">
22                     <li class="list-inline-item">
23                         {{-- <a href="{{ route('employees.create') }}" --}} class="btn btn-primary"
24                         | <i class="bi bi-plus-circle me-1"></i> Create Employee
25                         | </a> --}
26                         <button type="button" class="btn btn-primary" data-bs-toggle="modal"
27                             data-bs-target="#createEmployee">
28                             <i class="bi bi-plus-circle me-1"></i>Create Employee
29                         </button>
30
31                     </li>
32                 </ul>
33             </div>
34         </div>
```

2. Kemudian tambahkan code untuk modal pop up pada halaman index



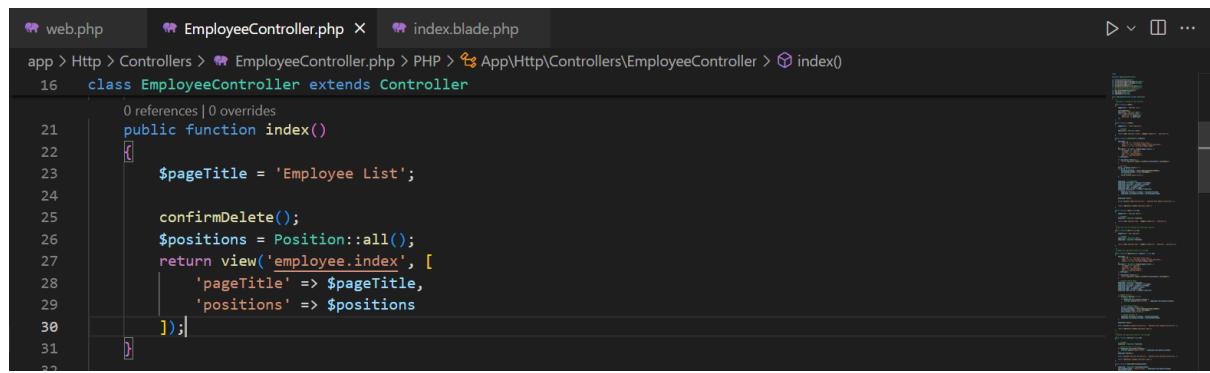
```
resources > views > employee > index.blade.php > ...
59     {{-- Modal Pop up --}}
60     <div class="modal fade" id="createEmployee" tabindex="-1" aria-labelledby="exampleModalLabel"
61         aria-hidden="true">
62         <div class="modal-dialog">
63             <div class="modal-content">
64                 <form action="{{ route('employees.store') }}" method="POST" enctype="multipart/form-data">
65                     @csrf
66                     <div class="modal-header">
67                         <h5 class="modal-title" id="exampleModalLabel">Tambah
68                         Karyawan</h5>
69                     </div>
70                     <div class="modal-body">
71                         <div class="form-group">
72                             <label for="firstName" class="form-label">First Name</label>
73                             <input class="form-control" @error('firstName') is-invalid
74                             @enderror type="text"
75                             name="firstName" id="firstName" value="{{ old('firstName') }}"
76                             placeholder="Enter First Name">
77                             @error('firstName')
78                             <div class="text-danger">
79                             | <small>{{ $message }}</small>
80                             </div>
81                             @enderror
82                         </div>
83                         <div class="form-group">
84                             <label for="lastName" class="form-label">Last Name</label>
85                             <input class="form-control" @error('lastName') is-invalid
86                             @enderror type="text"
87                             name="lastName" id="lastName" value="{{ old('lastName') }}"
88                             placeholder="Enter Last Name">
89                         </div>
90                     </div>
91                     <div class="modal-footer">
92                         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
93                         <button type="submit" class="btn btn-primary">Save changes</button>
94                     </div>
95                 </form>
96             </div>
97         </div>
98     </div>
```

```

86          name="lastName" id="lastName" value="{{ old('lastName') }}" placeholder="Enter
87          Last Name">
88          @error('lastName')
89              <div class="text-danger">
90                  <small>{{ $message }}</small>
91              </div>
92          @enderror
93      </div>
94      <div class="form-group">
95          <label for="email" class="form-label">Email</label>
96          <input class="form-control @error('email') is-invalid
97          @enderror" type="text" name="email"
98              id="email" value="{{ old('email') }}" placeholder="Enter Email">
99          @error('email')
100              <div class="text-danger">
101                  <small>{{ $message }}</small>
102              </div>
103          @enderror
104      </div>
105      <div class="form-group">
106          <label for="age" class="form-label">Age</label>
107          <input class="form-control @error('age') is-invalid
108          @enderror" type="text" name="age"
109              id="age" value="{{ old('age') }}" placeholder="Enter Age">
110
111          @error('age')
112              <div class="text-danger">
113                  <small>{{ $message }}</small>
114              </div>
115          @enderror
116      </div>
117      <div class="col-md-12 mb-3">
118          <label for="position" class="form-label">Position</label>
119          <select name="position" id="position" class="form-select">
120              @foreach ($positions as $position)
121                  <option value="{{ $position->id }}>
122                      {{ old('position') == $position->id ? 'selected' : '' }}>
123                      {{ $position->code .
124                      ' - ' .
125                      $position->name }}</option>
126          @endforeach
127          </select>
128          @error('position')
129              <div class="text-danger">
130                  <small>{{ $message }}</small>
131              </div>
132          @enderror
133      </div>
134
135          <div class="col-md-12 mb-3">
136              <label for="cv" class="form-label">
137                  Curriculum Vitae (CV)
138              </label>
139              <input type="file" class="form-control" name="cv" id="cv">
140          </div>
141
142          <div class="modal-footer">
143              <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
144              <button type="submit" class="btn btn-primary">Save
145                  changes</button>
146          </div>
147      </div>
148  </div>
149 @endsection

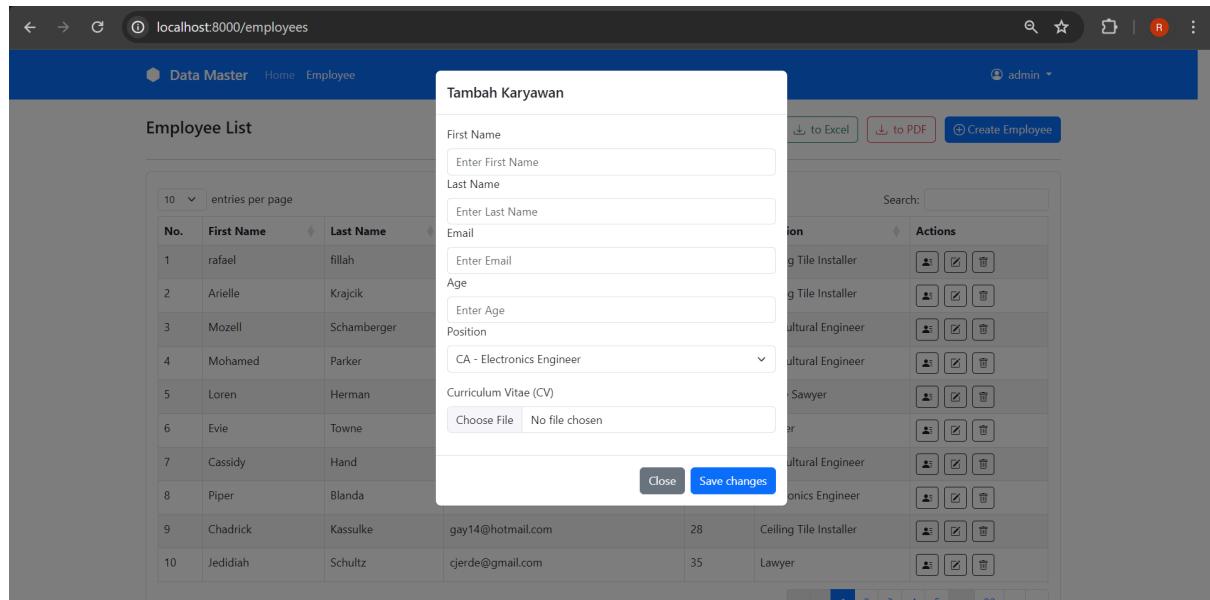
```

3. Kemudian sesuaikan function index() pada EmployeeController menjadi seperti berikut



```
web.php EmployeeController.php index.blade.php
app > Http > Controllers > EmployeeController.php > PHP > App\Http\Controllers\EmployeeController > index()
16 class EmployeeController extends Controller
17 {
18     0 references | 0 overrides
19     public function index()
20     {
21         $pageTitle = 'Employee List';
22
23         confirmDelete();
24         $positions = Position::all();
25         return view('employee.index', [
26             'pageTitle' => $pageTitle,
27             'positions' => $positions
28         ]);
29     }
30 }
31
32 }
```

4. Terakhir cek pada website apakah fitur create employee dengan modal pop up apakah berhasil



The screenshot shows a web application interface. At the top, there's a header with 'localhost:8000/employees', a user dropdown ('admin'), and some navigation links. Below the header is a table titled 'Employee List' with columns 'No.', 'First Name', and 'Last Name'. The table contains 10 rows of employee data. Overlaid on the page is a modal dialog box titled 'Tambah Karyawan' (Add Employee). This dialog has fields for 'First Name' (with placeholder 'Enter First Name'), 'Last Name' (placeholder 'Enter Last Name'), 'Email' (placeholder 'Enter Email'), 'Age' (placeholder 'Enter Age'), 'Position' (a dropdown menu currently set to 'CA - Electronics Engineer'), and 'Curriculum Vitae (CV)' (a file input field showing 'Choose File No file chosen'). At the bottom of the modal are two buttons: 'Close' and 'Save changes'.

