



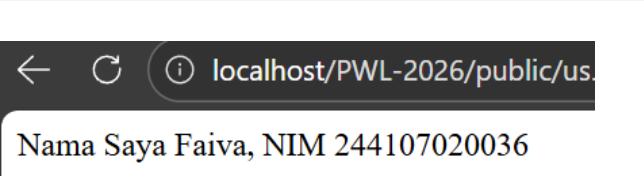
Mata Kuliah : Pemrograman Web Lanjut (PWL)
Program Studi : D-IV Teknik Informatika
Semester : 4

Kelas : TI 2H
NIM : 244107020036
Nama : Faiva Puspa Sahara
Jobsheet Ke- : 2

Laporan Jobsheet

Praktikum Ke-1

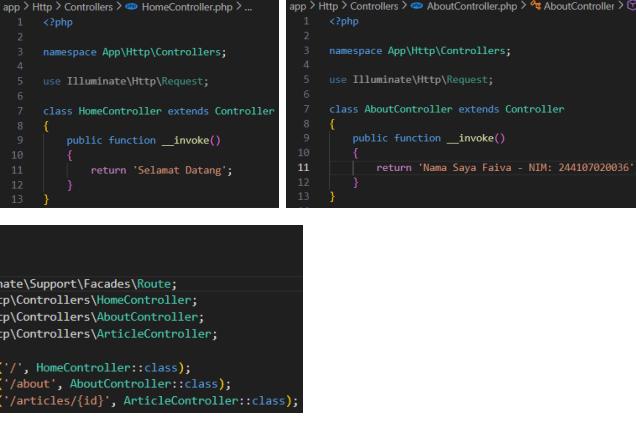
| Langkah | Jawaban/Deskripsi | |
|--|---|--|
| 1 | <pre>routes > web.php > ... 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/hello', function () { 6 return 'Hello World'; 7 }); 8</pre> | |
| 2 | <pre>routes > web.php > Closure 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/world', function () { 6 return 'World'; 7 }); 8</pre> | |
| 3 | <pre>routes > web.php > Closure 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/', function () { 6 return 'Selamat Datang'; 7 }); 8</pre> | |
| 4 | <pre>routes > web.php > ... 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/about', function () { 6 return 'Nama Saya Faiva, NIM 244107020036'; 7 }); 8</pre> | |
| <p><i>Basic routing</i> untuk menampilkan teks string ke browser, mencetak "Hello World", "Selamat Datang", dan data Nama beserta NIM.</p> | | |

| | | |
|--|--|---|
| 5 | <pre>routes > web.php > Closure 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/user/{Faiva}', function (\$Faiva) { 6 return "Nama Saya \$Faiva, NIM 244107020036"; 7 }); </pre> |  |
| <p>=> Mempraktikkan Route Parameters tunggal untuk meneruskan satu variabel dinamis dari URL</p> | | |
| 6 | <pre>routes > web.php > ... 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/posts/{post}/comments/{comment}', function (\$postId, \$commentId) { 6 return "Pos ke-".\$postId." Komentar ke-: ".\$commentId; 7 }); </pre> |  |
| <p>=> Mempraktikkan Multiple Route Parameters untuk menangkap dan menampilkan lebih dari satu variabel dari URL</p> | | |
| 7 | <pre>routes > web.php > Closure 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/articles/{id}', function (\$id) { 6 return "Halaman Artikel dengan ID: " . \$id; 7 }); </pre> |  |
| <p>=> Mempraktikkan Optional Parameters menggunakan tanda tanya (?) agar parameter pada URL bersifat opsional</p> | | |

Praktikum Ke-2

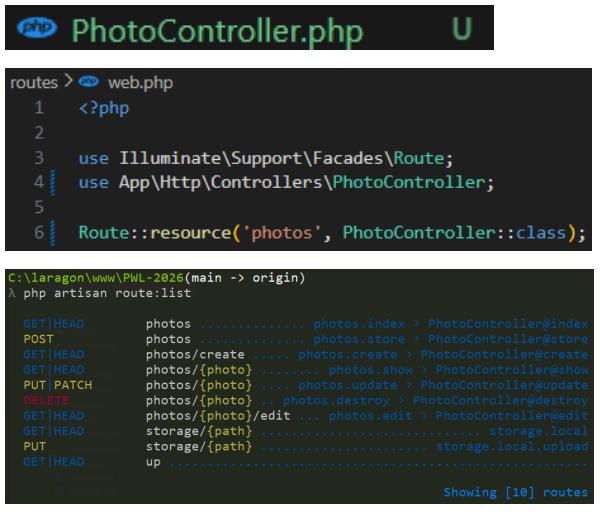
| Langkah | Jawaban/Deskripsi |
|---------|---|
| 1 | <pre>app > Http > Controllers > WelcomeController.php > WelcomeController.php 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class WelcomeController extends Controller 8 { 9 public function hello() 10 { 11 return 'Hello World'; 12 } 13 }</pre> <pre>routes > web.php 1 <?php 2 3 use App\Http\Controllers>WelcomeController; 4 5 Route::get('/hello', [WelcomeController::class, 'hello']);</pre>  <p>=> Membuat WelcomeController dengan metode <code>hello()</code>, lalu mengubah <i>route</i> /hello agar tidak lagi menggunakan <i>closure</i></p> |
| 2 | Modifikasi routing ke PageController |

| | | |
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| | <pre>app > Http > Controllers > PageController.php > PageController > about 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class PageController extends Controller 8 { 9 public function index() 10 { 11 return 'Selamat Datang'; 12 } 13 14 public function about() 15 { 16 return 'Nama Saya Faiva - NIM: 244107020036'; 17 } 18 19 public function articles(\$id) 20 { 21 return "Halaman Artikel dengan ID \$id"; 22 } 23 }</pre> | <pre>routes > web.php 1 <?php 2 3 use App\Http\Controllers\PageController; 4 5 Route::get('/', [PageController::class, 'index']); 6 Route::get('/about', [PageController::class, 'about']); 7 Route::get('/articles/{id}', [PageController::class, 'articles']);</pre> |
| | <p>Selamat Datang Nama Saya Faiva - NIM: 244107020036 Halaman Artikel dengan ID 5</p> | => Membuat PageController untuk mengelola beberapa <i>route</i> dasar sekaligus di dalam satu controller (fungsi index(), about(), dan articles()). |

| | | |
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| 3 | <h3>Modifikasi menjadi Single Action Controller</h3>  | |
| |  <pre>app > Http > Controllers > HomeController.php > ... 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class HomeController extends Controller 8 { 9 public function __invoke() 10 { 11 return 'Selamat Datang'; 12 } 13 }</pre> <pre>app > Http > Controllers > AboutController.php > ... 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class AboutController extends Controller 8 { 9 public function __invoke() 10 { 11 return 'Nama Saya Faiva - NIM: 244107020036'; 12 } 13 }</pre> <pre>app > Http > Controllers > ArticleController.php > ... 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class ArticleController extends Controller 8 { 9 public function __invoke(\$id) 10 { 11 return "Halaman Artikel dengan ID \$id"; 12 } 13 }</pre> | |

Hasilnya sama seperti Modifikasi langkah 2

=> Memecah logika menjadi Single Action Controller

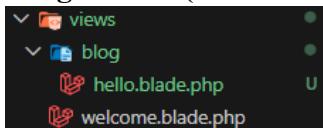
| | | | | |
|------------------|---|--|------------------|--|
| 4 | <h3>Langkah praktikum 8-11</h3>  <table border="1"> <tr> <td>routes > web.php</td><td> <pre>1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 use App\Http\Controllers\PhotoController; 5 6 Route::resource('photos', PhotoController::class);</pre> </td></tr> </table> | | routes > web.php | <pre>1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 use App\Http\Controllers\PhotoController; 5 6 Route::resource('photos', PhotoController::class);</pre> |
| routes > web.php | <pre>1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 use App\Http\Controllers\PhotoController; 5 6 Route::resource('photos', PhotoController::class);</pre> | | | |
| |  <pre>C:\laragon\www\PWL-2026(main -> origin) λ php artisan route:list GET HEAD photos photos.index > PhotoController@index POST photos photos.store > PhotoController@store GET HEAD photos/create photos.create > PhotoController@create GET HEAD photos/{photo} photos.show > PhotoController@show PUT PATCH photos/{photo} photos.update > PhotoController@update DELETE photos/{photo} photos.destroy > PhotoController@destroy GET HEAD photos/{photo}/edit photos.edit > PhotoController@edit GET HEAD storage/{path} storage.local.upload PUT storage/{path} storage.local.upload GET HEAD up</pre> <p style="text-align: right;">Showing [10] routes</p> | | | |

Halaman Daftar Photos

Detail Photo ID: 5

| | |
|--|---|
| | => Membuat Resource Controller (PhotoController) untuk meng-generate rute CRUD secara otomatis, serta mempraktikkan cara membatasi rute dengan fungsi only() dan except(). |
|--|---|

Praktikum Ke-3 (View)

| Langkah | Jawaban/Deskripsi |
|---------|--|
| 1 | <pre>resources > views > 📄 hello.blade.php > ... 1 <!-- View pada resources/views/hello.blade.php --> 2 <html> 3 <body> 4 <h1>Hello, {{ \$name }}</h1> 5 </body> 6 </html></pre> |
| 2 | <pre>routes > 🚗 web.php > 🎯 Closure 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/greeting', function () { 6 return view('hello', ['name' => 'Faiva']); 7 }); </pre> |
| 3 |  <p>=> Pembuatan file <i>view</i> menggunakan Blade template (hello.blade.php) dan cara menampilkannya lewat <i>route</i> dengan meneruskan data array ke <i>view</i> tersebut.</p> |
| 4 | <p>Langkah 4-7 (View dalam directory)</p>  <pre>routes > 🚗 web.php > ... 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 Route::get('/greeting', function () { 6 return view('blog.hello', ['name' => 'Faiva']); 7 }); </pre>  <p>=> Mempraktikkan cara mengorganisasi file <i>view</i> ke dalam sebuah <i>sub-directory</i> (folder blog) dan mengubah pemanggilan pada <i>route</i> menjadi <i>view('blog.hello')</i>.</p> |
| 5 | <p>Langkah 8-10 (Menampilkan View dari Controller)</p> |

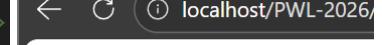
| | | |
|--|--|--|
| | <pre>app > Http > Controllers > WelcomeController.php > WelcomeController 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class WelcomeController extends Controller 8 { 9 public function hello() 10 { 11 return 'Hello World'; 12 } 13 14 public function greeting() 15 { 16 return view('blog.hello', ['name' => 'Faiva']); 17 } }</pre> <pre>routes > web.php 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 use App\Http\Controllers\WelcomeController; 5 6 Route::get('/greeting', [WelcomeController::class, 'greeting']);</pre> |  |
| => Memindahkan logika pemanggilan <i>view</i> yang sebelumnya ada di <i>route</i> ke dalam sebuah Controller | | |

6 Langkah 11-13 (Meneruskan data ke view)

```
app > Http > Controllers > WelcomeController.php > WelcomeController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class WelcomeController extends Controller
8  {
9      public function hello()
10     {
11         return 'Hello World';
12     }
13
14     public function greeting()
15     {
16         return view('blog.hello')
17             ->with('name', 'Faiva')
18             ->with('occupation', 'President');
19     }
}
```



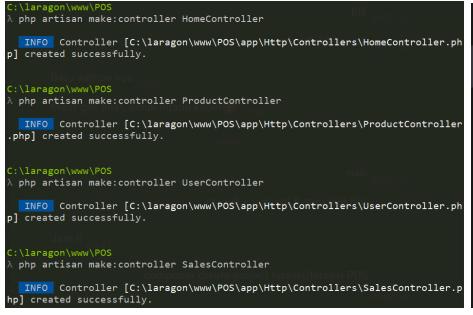
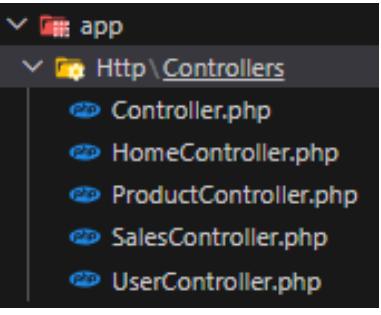
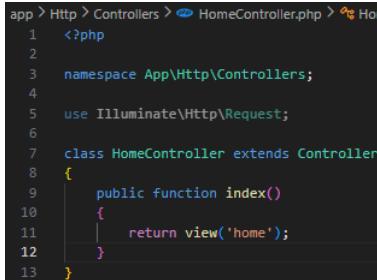
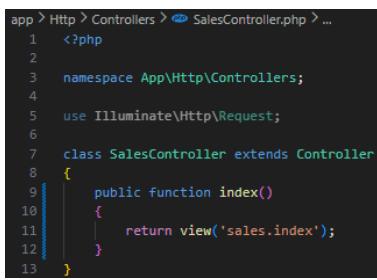
```
resources > views > blog > hello.blade.php > ...
1  <!-- View pada resources/views/hello.blade.php -->
2  <html>
3      <body>
4          <h1>Hello, {{ $name }}</h1>
5          <h1>You are {{ $occupation }}</h1>
6      </body>
7  </html>
```



Hello, Faiva
You are President

=> Praktik meneruskan data yang lebih spesifik dari Controller ke file *view* menggunakan *method* berantai.

Soal Praktikum

| Langkah | Jawaban/Deskripsi |
|---------|---|
| 1 | <pre>C:\laragon\www λ cd POS C:\laragon\www\POS λ</pre> <p>C:\laragon\www λ composer create-project laravel/laravel POS Creating a "laravel/laravel" project at "./POS" https://repo.packagist.org could not be fully loaded loading https://repo.packagist.org/packages.json 0010 milliseconds), package information was loaded be out of date Installing laravel/laravel (v12.11.2)</p> <p>=> Inisialisasi dan pembuatan <i>project</i> Laravel baru dengan nama POS (Point of Sales) menggunakan perintah Composer.</p> |
| 2 | <p>Membuat controller</p>   <pre>C:\laragon\www\POS λ php artisan make:controller HomeController [INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\HomeController.php] created successfully. C:\laragon\www\POS λ php artisan make:controller ProductController [INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\ProductController.php] created successfully. C:\laragon\www\POS λ php artisan make:controller UserController [INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\UserController.php] created successfully. C:\laragon\www\POS λ php artisan make:controller SalesController [INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\SalesController.php] created successfully.</pre>     <p>=> Pembuatan beberapa Controller yang dibutuhkan untuk sistem POS, yaitu HomeController, ProductController, SalesController, dan UserController melalui <i>command-line</i> artisan.</p> |
| 3 | <p>Membuat Route</p> |

```

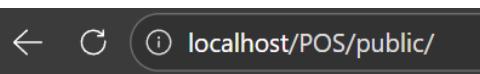
views
└── category
    ├── babykid.blade.php
    ├── beauty.blade.php
    ├── food.blade.php
    └── homecare.blade.php
└── sales
    └── index.blade.php
└── user
    ├── profil.blade.php
    ├── home.blade.php
    └── welcome.blade.php

```

=> Menyiapkan *route* dan struktur *view* terpisah untuk berbagai entitas, seperti folder kategori produk, profil *user*, dan halaman transaksi (sales).

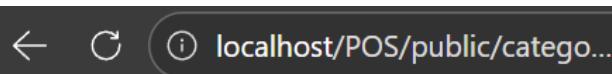
4

<http://localhost/POS/public/>



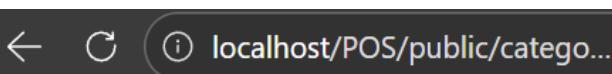
Halaman Home POS

<localhost/POS/public/category/food-beverage>



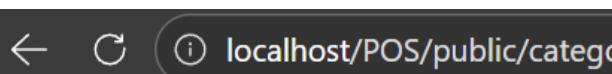
Category: Food & Beverage

<localhost/POS/public/category/beauty-health>



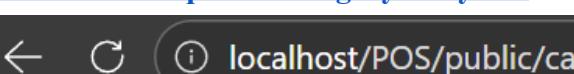
Category: Beauty & Health

<localhost/POS/public/category/home-care>

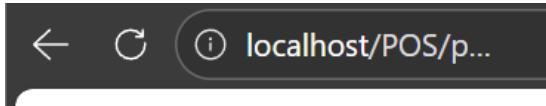
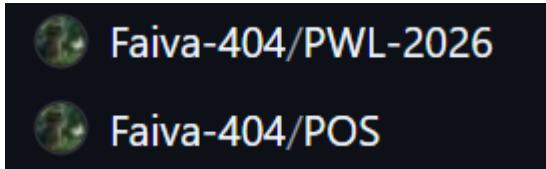


Category: Home Care

<localhost/POS/public/category/baby-kid>



Category: Baby & Kid

| | |
|---|---|
| |  <h1>User Profile</h1> <p>ID: 1</p> <p>Name: Faiva</p> <p>localhost/POS/public/sales</p>  <h2>Halaman Transaksi POS</h2> <p>=> Uji coba <i>running project</i> POS di <i>browser</i> untuk memastikan halaman <i>Home</i>, kategori spesifik (<i>Food & Beverage</i>, <i>Beauty & Health</i>, dll).</p> |
| 5 | <p>Upload ke Github</p>  <p>Faiva-404/PWL-2026</p> <p>Faiva-404/POS</p> |