



## SOAL PRAKTIKUM

1. Jalankan Langkah-langkah Praktikum pada jobsheet di atas. Lakukan sinkronisasi perubahan pada project PWL\_2024 ke Github.
2. Buatlah project baru dengan nama POS. Project ini merupakan sebuah aplikasi Point of Sales yang digunakan untuk membantu penjualan.

```
C:\Users\ASUS>cd C:\laragon\www

C:\laragon\www>composer create-project laravel/laravel POS
Creating a "laravel/laravel" project at "./POS"
Cannot use laravel/laravel's latest version v12.0.1 as it requires php ^8.2 which is not satisfied by your platform.
Installing laravel/laravel (v10.3.3)
- Installing laravel/laravel (v10.3.3): Extracting archive
Created project in C:\laragon\www\POS
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 111 installs, 0 updates, 0 removals
- Locking brick/math (0.12.3)
- Locking carbonphp/carbon-doctrine-types (2.1.0)
- Locking dflydev/dot-access-data (v3.0.3)
- Locking doctrine/inflector (2.0.10)
- Locking doctrine/lexer (3.0.1)
- Locking dragonmantank/cron-expression (v3.4.0)
- Locking egulias/email-validator (4.0.3)
- Locking fakerphp/faker (v1.24.1)
- Locking filp/whoops (2.17.0)
- Locking fruitcake/php-cors (v1.3.0)
- Locking graham-campbell/result-type (v1.1.3)
- Locking guzzlehttp/guzzle (7.9.2)
```

3. Buatlah beberapa route, controller, dan view sesuai dengan ketentuan sebagai berikut.

1	Halaman Home Menampilkan halaman awal website
2	Halaman Products Menampilkan daftar product (route prefix) /category/food-beverage /category/beauty-health /category/home-care /category/baby-kid
3	Halaman User Menampilkan profil pengguna (route param) /user/{id}/name/{name}
4	Halaman Penjualan Menampilkan halaman transaksi POS



- **Membuat Controller**

```
Command Prompt - php artis x + v
[INFO] No publishable resources for tag [laravel-assets].
No security vulnerability advisories found.
> @php artisan key:generate --ansi
[INFO] Application key set successfully.

C:\laragon\www>cd POS
C:\laragon\www\POS>php artisan make:controller HomeController

[INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\HomeController.php] created successfully.

C:\laragon\www\POS>php artisan make:controller ProductController

[INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\ProductController.php] created successfully.

C:\laragon\www\POS>php artisan make:controller UserController

[INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\UserController.php] created successfully.

C:\laragon\www\POS>php artisan make:controller SalesController

[INFO] Controller [C:\laragon\www\POS\app\Http\Controllers\SalesController.php] created successfully.
```

- **Route**

```
routes > web.php > ...
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\HomeController;
5  use App\Http\Controllers\ProductController;
6  use App\Http\Controllers\UserController;
7  use App\Http\Controllers\SalesController;
8
9  /*
10 |-----
11 | Web Routes
12 |-----
13 |
14 | Here is where you can register web routes for your application. These
15 | routes are loaded by the RouteServiceProvider and all of them will
16 | be assigned to the "web" middleware group. Make something great!
17 |
18 */
19
20 Route::get(uri: '/', action: [HomeController::class, 'index']);
21
22 Route::prefix(prefix: 'category')->group(callback: function () { void {
23     Route::get(uri: '/food-beverage', action: [ProductController::class, 'foodBeverage']);
24     Route::get(uri: '/beauty-health', action: [ProductController::class, 'beautyHealth']);
25     Route::get(uri: '/home-care', action: [ProductController::class, 'homeCare']);
26     Route::get(uri: '/baby-kid', action: [ProductController::class, 'babyKid']);
27 });
28
29 Route::get(uri: '/user/{id}/name/{name}', action: [UserController::class, 'showProfile']);
30
31 Route::get(uri: '/sales', action: [SalesController::class, 'index']);
32
```



4. Route tersebut menjalankan fungsi pada Controller yang berbeda di setiap halaman.

- **Controller**

- HomeController.php

```
app > Http > Controllers > HomeController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  2 references | 0 implementations
8  class HomeController extends Controller
9  {
10     1 reference | 0 overrides
11     public function index(): Factory|View
12     {
13         return view(view: 'home');
14     }
15 }
```

- ProductController.php

```
app > Http > Controllers > ProductController.php > PHP > ProductController
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  5 references | 0 implementations
8  class ProductController extends Controller
9  {
10     1 reference | 0 overrides
11     public function foodBeverage(): Factory|View
12     {
13         return view(view: 'products.food-beverage');
14     }
15
16     1 reference | 0 overrides
17     public function beautyHealth(): Factory|View
18     {
19         return view(view: 'products.beauty-health');
20     }
21
22     1 reference | 0 overrides
23     public function homeCare(): Factory|View
24     {
25         return view(view: 'products.home-care');
26     }
27
28     1 reference | 0 overrides
29     public function babyKid(): Factory|View
30     {
31         return view(view: 'products.baby-kid');
32     }
33 }
```



- SalesController.php

```
app > Http > Controllers > SalesController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  2 references | 0 implementations
8  class SalesController extends Controller
9  {
10     1 reference | 0 overrides
11     public function index(): Factory|View
12     {
13         return view(view: 'sales.index');
14     }
15 }
```

- UserController.php

```
app > Http > Controllers > UserController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  2 references | 0 implementations
8  class UserController extends Controller
9  {
10     1 reference | 0 overrides
11     public function showProfile($id, $name): Factory|View
12     {
13         return view(view: 'user.profile', data: compact(var_name: 'id', var_names: 'name'));
14     }
15 }
```

5. Fungsi pada Controller akan memanggil view sesuai halaman yang akan ditampilkan.

- views/home.blade.php

```
resources > views > home.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <title>Home</title>
5  </head>
6  <body>
7      <h1>Welcome to POS System</h1>
8      <a href="{{ url(path: '/category/food-beverage') }}">Food & Beverage</a> |
9      <a href="{{ url(path: '/category/beauty-health') }}">Beauty & Health</a> |
10     <a href="{{ url(path: '/category/home-care') }}">Home Care</a> |
11     <a href="{{ url(path: '/category/baby-kid') }}">Baby & Kid</a> |
12     <a href="{{ url(path: '/user/1/name/JohnDoe') }}">User Profile</a> |
13     <a href="{{ url(path: '/sales') }}">Sales</a>
14 </body>
15 </html>
16
```



- views/products/
  - food-beverage.blade.php

```
resources > views > products > food-beverage.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Food & Beverage</title>
5  </head>
6  <body>
7  |   <h1>Food & Beverage Products</h1>
8  |   <a href="{{ url(path: '/') }}">Back to Home</a>
9  </body>
10 </html>
```

- beauty-health.blade.php

```
resources > views > products > beauty-health.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Beauty & Health</title>
5  </head>
6  <body>
7  |   <h1>Beauty & Health Products</h1>
8  |   <a href="{{ url(path: '/') }}">Back to Home</a>
9  </body>
10 </html>
```

- home-care.blade.php

```
resources > views > products > home-care.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Home Care</title>
5  </head>
6  <body>
7  |   <h1>Home Care Products</h1>
8  |   <a href="{{ url(path: '/') }}">Back to Home</a>
9  </body>
10 </html>
```

- baby-kid.blade.php

```
resources > views > products > baby-kid.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Baby & Kid</title>
5  </head>
6  <body>
7  |   <h1>Baby & Kid Products</h1>
8  |   <a href="{{ url(path: '/') }}">Back to Home</a>
9  </body>
10 </html>
```



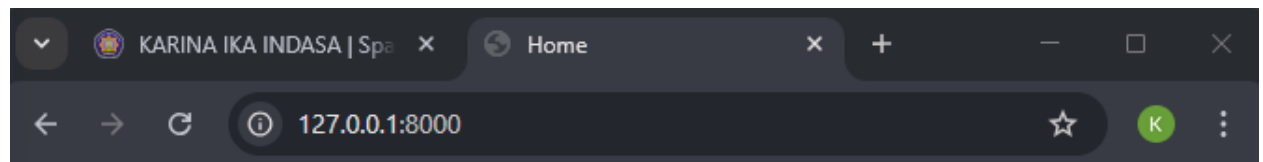
- views/sales/index.blade.php

```
resources > views > sales > index.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Sales</title>
5  </head>
6  <body>
7  |   <h1>Sales Transactions</h1>
8  |   <a href="{{ url(path: '/') }}">Back to Home</a>
9  </body>
10 </html>
```

- views/user/profile.blade.php

```
resources > views > user > profile.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>User Profile</title>
5  </head>
6  <body>
7  |   <h1>User Profile</h1>
8  |   <p>ID: {{ $id }}</p>
9  |   <p>Name: {{ $name }}</p>
10 |   <a href="{{ url(path: '/') }}">Back to Home</a>
11 </body>
12 </html>
```

- Hasil



## Welcome to POS System

[Food & Beverage](#) | [Beauty & Health](#) | [Home Care](#) | [Baby & Kid](#) | [User Profile](#) | [Sales](#)

6. Simpan setiap perubahan yang dilakukan pada project POS pada Git, sinkronisasi perubahan ke Github.

\*\*\* Sekian, dan selamat belajar \*\*\*