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**Kelas** : D4 TI - 2H  
**No. Urut** : 04  
**Mata Kuliah** : Pemrograman Web Lanjut Jobsheet 2 (Tugas Praktikum)

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## Soal Praktikum

2. Buatlah project baru dengan nama POS. Project ini merupakan sebuah aplikasi Point of Sales yang digunakan untuk membantu penjualan.

```
Ana Bella > www > 4ms > composer create-project laravel/laravel="10.3.*" POS
Creating a "laravel/laravel=10.3.*" project at "./POS"
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 (0.11.0)
- Locking carbonphp/carbon-doctrine-types (2.1.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflector (2.0.10)
```

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

- |   |  |
|---|--|
| 1 | Halaman Home<br>Menampilkan halaman awal website |
|---|--|

### Route

```
20 Route::get('/', [HomeController::class, 'index']);
```

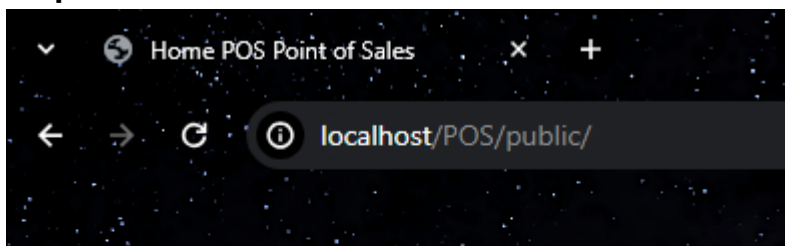
### Controller

```
HomeController.php U X
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 index()
10     {
11         return view('home');
12     }
13 }
```

## View

```
home.blade.php U X
resources > views > home.blade.php > ...
1 <!DOCTYPE html>
2 <html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
3 <head>
4 <meta charset="utf-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1">
6
7 <title>Home POS Page</title>
8 </head>
9 <body>
10 <h1>Selamat Datang <br> di Aplikasi Point of Sales</h1>
11 <h2>TI 2H</h2>
12 </body>
13 </html>
```

## Output



**Selamat Datang**  
**di Aplikasi Point of Sales**  
**TI 2H**

- 2 Halaman Products  
Menampilkan daftar product (route prefix)  
/category/food-beverage  
/category/beauty-health  
/category/home-care  
/category/baby-kid

## Route

```
22 Route::prefix('category')->group(function () {
23     Route::get('{category}', [ProductController::class, 'index']);
24 });
```

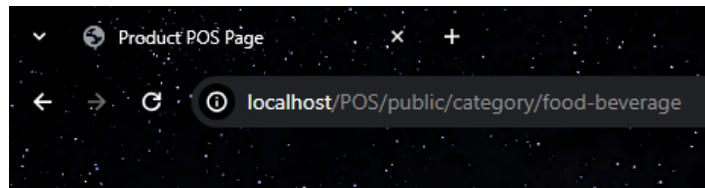
## Controller

```
ProductController.php U X
app > Http > Controllers > ProductController.php > ProductController > index
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class ProductController extends Controller
8  {
9      public function index($category)
10     {
11         $product = [
12             'food-beverage' => [
13                 ['id' => 'FB1', 'name' => 'Indomie', 'price' => 10000],
14                 ['id' => 'FB2', 'name' => 'Sari Roti', 'price' => 12000],
15                 ['id' => 'FB3', 'name' => 'Tango Wafer', 'price' => 15000]
16             ],
17             'beauty-health' => [
18                 ['id' => 'BH1', 'name' => 'Acnes Face Wash', 'price' => 35000],
19                 ['id' => 'BH2', 'name' => 'Dental Floss', 'price' => 50000],
20                 ['id' => 'BH3', 'name' => 'Body Wash', 'price' => 15000]
21             ],
22             'home-care' => [
23                 ['id' => 'HC1', 'name' => 'So Klin Lantai', 'price' => 20000],
24                 ['id' => 'HC2', 'name' => 'Facial Tissue', 'price' => 15000],
25                 ['id' => 'HC3', 'name' => 'Stella Air Freshner', 'price' => 35000]
26             ],
27             'baby-kid' => [
28                 ['id' => 'BK1', 'name' => 'Mami Poko Pampers', 'price' => 40000],
29                 ['id' => 'BK2', 'name' => 'Promina Bubur', 'price' => 20000],
30                 ['id' => 'BK3', 'name' => 'Baby Shampoo', 'price' => 25000]
31             ],
32         ];
33
34         return view('product')
35             ->with('category', $category)
36             ->with('product', $product[$category]);
37     }
38 }
```

## View

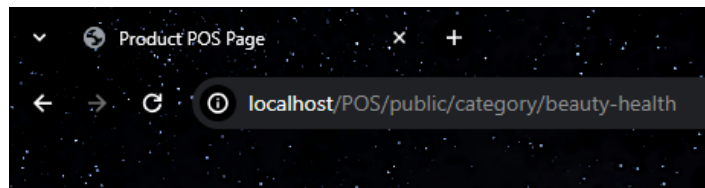
```
product.blade.php U X
resources > views > product.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
3      <head>
4          <meta charset="utf-8">
5          <meta name="viewport" content="width=device-width, initial-scale=1">
6
7          <title>Product POS Page</title>
8
9      </head>
10     <body>
11         <h2>Product List {{ $category }}</h2>
12         <table>
13             <tr>
14                 <th>Id</th>
15                 <th>Nama Produk</th>
16                 <th>Harga</th>
17             </tr>
18             @foreach($product as $produk)
19                 <tr>
20                     <td>{{ $produk['id'] }}</td>
21                     <td>{{ $produk['name'] }}</td>
22                     <td>{{ $produk['price'] }}</td>
23                 </tr>
24             @endforeach
25         </body>
26     </html>
```

## Output



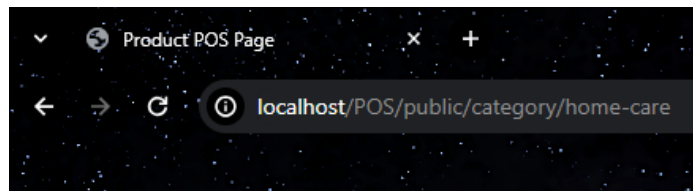
### Product List food-beverage

<b>Id</b>	<b>Nama Produk</b>	<b>Harga</b>
FB1	Indomie	10000
FB2	Sari Roti	12000
FB3	Tango Wafer	15000



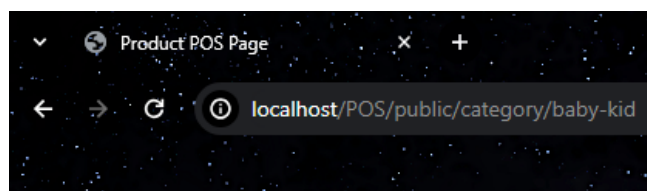
### Product List beauty-health

<b>Id</b>	<b>Nama Produk</b>	<b>Harga</b>
BH1	Acnes Face Wash	35000
BH2	Dental Floss	50000
BH3	Body Wash	15000



### Product List home-care

<b>Id</b>	<b>Nama Produk</b>	<b>Harga</b>
HC1	So Klin Lantai	20000
HC2	Facial Tissue	15000
HC3	Stella Air Freshner	35000



### Product List baby-kid

<b>Id</b>	<b>Nama Produk</b>	<b>Harga</b>
BK1	Mami Poko Pampers	40000
BK2	Promina Bubur	20000
BK3	Baby Shampoo	25000

- 3 Halaman User  
Menampilkan profil pengguna (route param)  
/user/{id}/name/{name}

### Route

```
26 | Route::get('/user/{id}/name/{name}', [UserController::class, 'profile']);
```

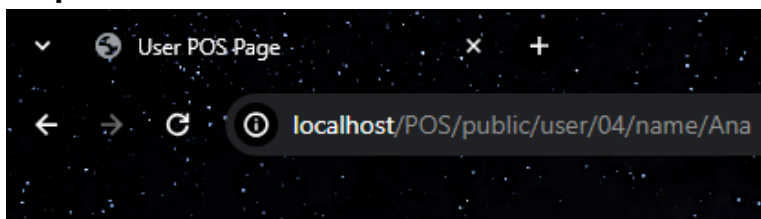
### Controller

```
UserController.php U X
app > Http > Controllers > UserController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class UserController extends Controller
8  {
9      public function profile($id, $name)
10     {
11         return view('user')
12             →with('id', $id)
13             →with('name', $name);
14     }
15 }
```

### View

```
user.blade.php U X
resources > views > user.blade.php > html > body > h2
1  <!DOCTYPE html>
2  <html lang="{{ str_replace('_', '-', app()→getLocale()) }}">
3      <head>
4          <meta charset="utf-8">
5          <meta name="viewport" content="width=device-width, initial-scale=1">
6
7          <title>User POS Page</title>
8
9      </head>
10     <body>
11         <h2>Hello, {{ $name }}</h2>
12         <h2>with id number {{ $id }}</h2>
13     </body>
14 </html>
```

### Output



Hello, Ana

with id number 04

4

Halaman Penjualan  
Menampilkan halaman transaksi POS

### Route

```
28 | Route::get('/sales', [SalesController::class, 'sales']);
```

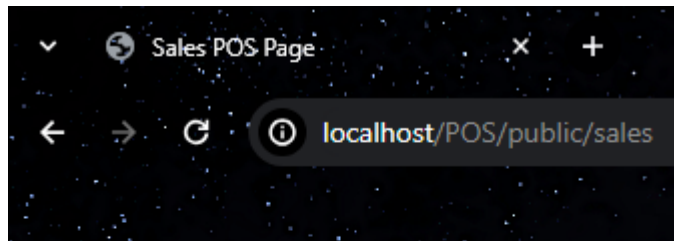
### Controller

```
SalesController.php U X
app > Http > Controllers > SalesController.php > SalesController > sales
5  use Illuminate\Http\Request;
6
7  class SalesController extends Controller
8  {
9      public function sales()
10     {
11         $transaksi = [
12             [
13                 'id' => '1',
14                 'product' => "Indomie",
15                 'qty' => 10,
16                 'price' => 10000,
17                 'total' => 100000,
18             ],
19             [
20                 'id' => '2',
21                 'product' => "Dental Floss",
22                 'qty' => 5,
23                 'price' => 50000,
24                 'total' => 250000,
25             ],
26             [
27                 'id' => '3',
28                 'product' => "Facial Tissue",
29                 'qty' => 7,
30                 'price' => 15000,
31                 'total' => 105000,
32             ],
33             [
34                 'id' => '4',
35                 'product' => "Baby Shampoo",
36                 'qty' => 8,
37                 'price' => 25000,
38                 'total' => 200000,
39             ],
40         ];
41         return view('sales')
42             -> with('transaksi', $transaksi);
43     }
```

## View

```
sales.blade.php U X
resources > views > sales.blade.php > ...
1 <!DOCTYPE html>
2 <html lang="{{ str_replace('_', '-', app()>getLocale()) }}">
3 <head>
4 <meta charset="utf-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1">
6
7 <title>Sales POS Page</title>
8 </head>
9 <body>
10 <h2>Halaman Transaksi</h2>
11
12 <table>
13 <tr>
14 <th>No.</th>
15 <th>Produk</th>
16 <th>Jumlah</th>
17 <th>Harga</th>
18 <th>Total</th>
19 </tr>
20 @foreach ($transaksi as $sales)
21 <tr>
22 <td>{{ $sales['id'] }}</td>
23 <td>{{ $sales['product'] }}</td>
24 <td align="center">{{ $sales['qty'] }}</td>
25 <td>{{ $sales['price'] }}</td>
26 <td>{{ $sales['total'] }}</td>
27 </tr>
28 @endforeach
29 </table>
30 </body>
31 </html>
```

## Output



## Halaman Transaksi

No.	Produk	Jumlah	Harga	Total
1	Indomie	10	10000	100000
2	Dental Floss	5	50000	250000
3	Facial Tissue	7	15000	105000
4	Baby Shampoo	8	25000	200000

4. Route tersebut menjalankan fungsi pada Controller yang berbeda di setiap halaman.
5. Fungsi pada Controller akan memanggil view sesuai halaman yang akan ditampilkan.

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

