



Sync & encapsulation (PHP and HTML)

Persiapan code HTML (template)



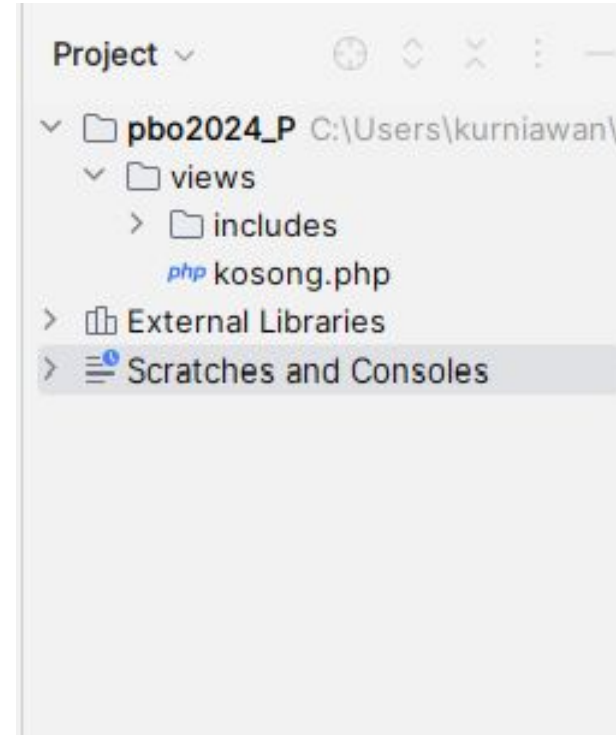
Persiapan project

- New project (PHP)
- Link template HTML:
<https://github.com/muchamadkurniawan/frontend>



procedures

- Download folder 'frontend-master' serta extract file
- Buat folder 'views' pada project
- Copy folder 'include' pada 'view' project folder
- Copy 'kosong.php' ke project folder
- Run kosong.php



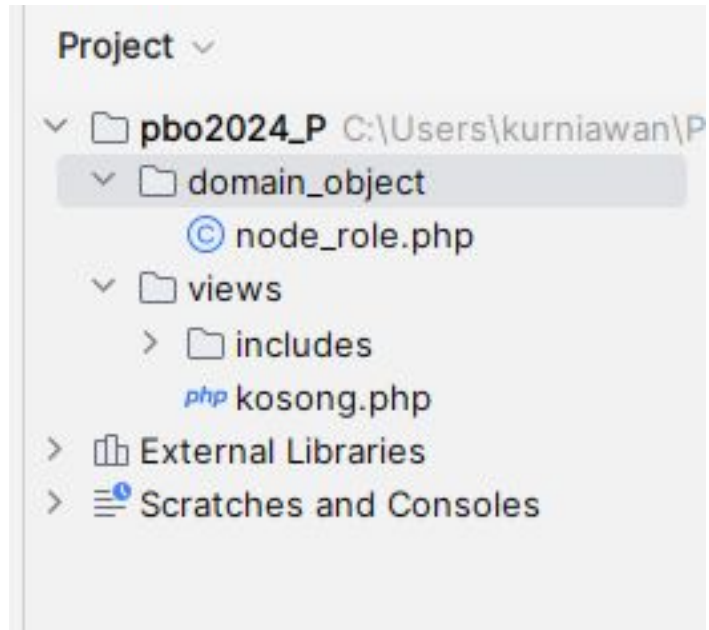
Menu

- Master Data Role
- Master Data User
- Master Data Barang
- Menu Transaksi

INI HALAMAN KOSONG TES KELAS P1

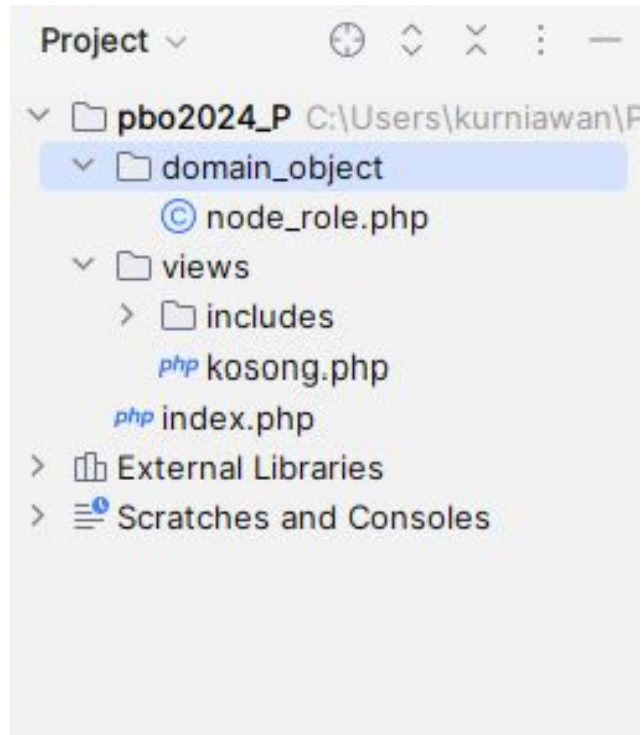
Persiapan code PHP

Create domain_object class Role



```
1  <?php
   no usages
2  class Role
3  {
   1 usage
4      public $role_id;
   1 usage
5      public $role_name;
   1 usage
6      public $role_description;
   1 usage
7      public $role_status;
8
   no usages
9      function __construct($role_id, $role_name, $role_description, $role_status)
10     {
11         $this->role_id = $role_id;
12         $this->role_name = $role_name;
13         $this->role_description = $role_description;
14         $this->role_status = $role_status;
15     }
16 }
17 <?>
```


Create index.php



```
1 <?php
2 require_once 'domain_object/node_role.php';
3
4 $obj_role = [];
5 $obj_role[] = new Role( role_id: 1, role_name: "kasir", role_description: "dibuat untuk kasir", role_status: 1);
6 $obj_role[] = new Role( role_id: 2, role_name: "admin", role_description: "dibuat untuk admin", role_status: 1);
7 $obj_role[] = new Role( role_id: 3, role_name: "owner", role_description: "dibuat untuk yang punya", role_status: 0);
8 $obj_role[] = new Role( role_id: 4, role_name: "customer", role_description: "dibuat untuk pelanggan", role_status: 1);
9
10 foreach ($obj_role as $role){
11     echo "id role : ".$role->role_id."<br>";
12     echo "nama role : ".$role->role_name."<br>";
13     echo "keterangan : ".$role->role_description."<br>";
14     echo "status role : ".$role->role_status."<br>";
15     echo "<br>";
16 }
17 ?>
```

id role : 1
nama role : kasir
keterangan : dibuat untuk kasir
status role : 1

id role : 2
nama role : admin
keterangan : dibuat untuk admin
status role : 1

id role : 3
nama role : owner
keterangan : dibuat untuk yang punya
status role : 0

id role : 4
nama role : customer
keterangan : dibuat untuk pelanggan
status role : 1

running PHP with HTML

Update code index.php

```
node_role.php  php index.php x  php kosong.php

1  <?php
2  require_once 'domain_object/node_role.php';
3
4  $obj_role = [];
5  $obj_role[] = new Role( role_id: 1, role_name: "kasir", role_description: "dibuat untuk kasir", role_status: 1);
6  $obj_role[] = new Role( role_id: 2, role_name: "admin", role_description: "dibuat untuk admin", role_status: 1);
7  $obj_role[] = new Role( role_id: 3, role_name: "owner", role_description: "dibuat untuk yang punya", role_status: 0);
8  $obj_role[] = new Role( role_id: 4, role_name: "customer", role_description: "dibuat untuk pelanggan", role_status: 1);
9
10 include 'views/kosong.php';
11 ?>
```

Update kosong.php (main content / body html)

```
<!-- Main Content -->
<div class="flex-1 p-8">
  <!-- Your main content goes here -->|
  <?php
    foreach ($obj_role as $role){
      echo "id role : ".$role->role_id."<br>";
      echo "nama role : ".$role->role_name."<br>";
      echo "keterangan : ".$role->role_description."<br>";
      echo "status role : ".$role->role_status."<br>";
      echo "<br>";
    }
  ?>
</div>
```

My Application		Username	Role	Logout
Menu				
Master Data Role	id role : 1 nama role : kasir keterangan : dibuat untuk kasir status role : 1			
Master Data User				
Master Data Barang	id role : 2 nama role : admin keterangan : dibuat untuk admin status role : 1			
Menu Transaksi	id role : 3 nama role : owner keterangan : dibuat untuk yang punya status role : 0			
	id role : 4 nama role : customer keterangan : dibuat untuk pelanggan status role : 1			

running PHP with table HTML
(template)



persiapan

- Copy file `role_list.php` dari folder `frontend-master` (github) ke folder `views`
- Run `role_list.php`

Menu

- Master Data Role
- Master Data User
- Master Data Barang
- Menu Transaksi

Insert New Role

ROLE ID	ROLE NAME	ROLE DESCRIPTION	ROLE STATUS	ACTIONS
1	Administrator	Full access to system features	Active	<div>Update</div> <div>Delete</div>
2	Editor	Can edit content but limited access to settings	Active	<div>Update</div> <div>Delete</div>
3	Viewer	Can only view content, no editing privileges	Inactive	<div>Update</div> <div>Delete</div>

Update code role_list.php



- Hapus data statis (tinggalkan satu data statis)

```
<tr class="text-center">
  <td class="py-3 px-4 text-blue-600">2</td>
  <td class="w-1/4 py-3 px-4">Editor</td>
  <td class="w-1/3 py-3 px-4">Can edit content but limited access to settings</td>
  <td class="w-1/6 py-3 px-4">Active</td>
  <td class="w-1/6 py-3 px-4">
    <button class="bg-green-500 hover:bg-green-700 text-white font-bold py-1 px-2 rounded mr-2">
      <a href="#">Update</a>
    </button>
    <button class="bg-red-500 hover:bg-red-700 text-white font-bold py-1 px-2 rounded mr-2">
      <a href="#">Delete</a>
    </button>
  </td>
</tr>

<tr class="text-center">
  <td class="py-3 px-4 text-blue-600">3</td>
  <td class="w-1/4 py-3 px-4">Viewer</td>
  <td class="w-1/3 py-3 px-4">Can only view content, no editing privileges</td>
  <td class="w-1/6 py-3 px-4">Inactive</td>
  <td class="w-1/6 py-3 px-4">
    <button class="bg-green-500 hover:bg-green-700 text-white font-bold py-1 px-2 rounded mr-2">
      <a href="#">Update</a>
    </button>
    <button class="bg-red-500 hover:bg-red-700 text-white font-bold py-1 px-2 rounded mr-2">
      <a href="#">Delete</a>
    </button>
  </td>
</tr>
```

Menu

Master Data Role

Master Data User

Master Data Barang

Menu Transaksi

Insert New Role

ROLE ID	ROLE NAME	ROLE DESCRIPTION	ROLE STATUS	ACTIONS
1	Administrator	Full access to system features	Active	<div>Update</div> <div>Delete</div>



Update code role_list.php

- Update file index.php dengan mengarahkan ke role_list.php
- Rubah code role_list.php sebelum tag `<tr>` dan `<td>`

```
</thead>
<tbody class="text-gray-700">
<!-- Dynamic Data Rows -->
<?php foreach ($obj_role as $role){ ?>
<tr class="text-center">
    <td class="py-3 px-4 text-blue-600"><?php echo htmlspecialchars($role->role_id) ?></td>
    <td class="w-1/4 py-3 px-4"><?php echo htmlspecialchars($role->role_name) ?></td>
    <td class="w-1/3 py-3 px-4"><?php echo htmlspecialchars($role->role_description) ?></td>
    <td class="w-1/6 py-3 px-4"><?php echo htmlspecialchars($role->role_status) ?></td>
    <td class="w-1/6 py-3 px-4">
        <button class="bg-green-500 hover:bg-green-700 text-white font-bold py-1 px-2 rounded mr-2">
            <a href="#">Update</a>
        </button>
        <button class="bg-red-500 hover:bg-red-700 text-white font-bold py-1 px-2 rounded mr-2">
            <a href="#">Delete</a>
        </button>
    </td>
    <?php } ?>
</tr>
</tbody>
```

Menu

Master Data Role

Master Data User

Master Data Barang

Menu Transaksi

Insert New Role

ROLE ID	ROLE NAME	ROLE DESCRIPTION	ROLE STATUS	ACTIONS
1	kasir	dibuat untuk kasir	1	Update Delete
2	admin	dibuat untuk admin	1	Update Delete
3	owner	dibuat untuk yang punya	0	Update Delete
4	customer	dibuat untuk pelanggan	1	Update Delete

Run index.php

running PHP with table HTML
(template)



https://www.w3schools.com/php/php_oop_access_modifiers.asp



Access modifier

- Public
- Private
- Protected