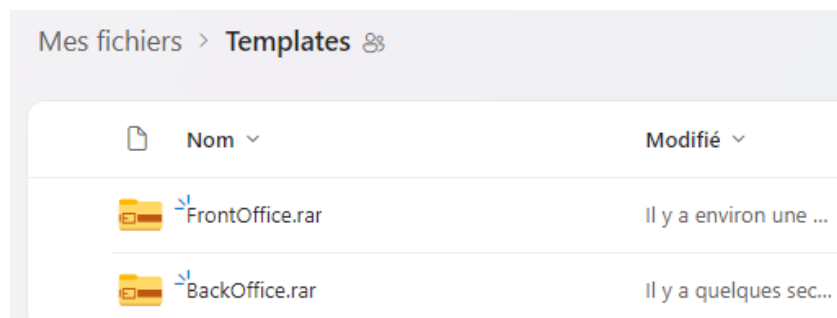


Integrating two templates (FrontOffice and BackOffice) into the same Angular project.

In this workshop, we will explore how to integrate two distinct HTML templates into the same Angular project. This will allow you to create a dynamic application with components specific to each template. Follow these steps to successfully integrate your templates.

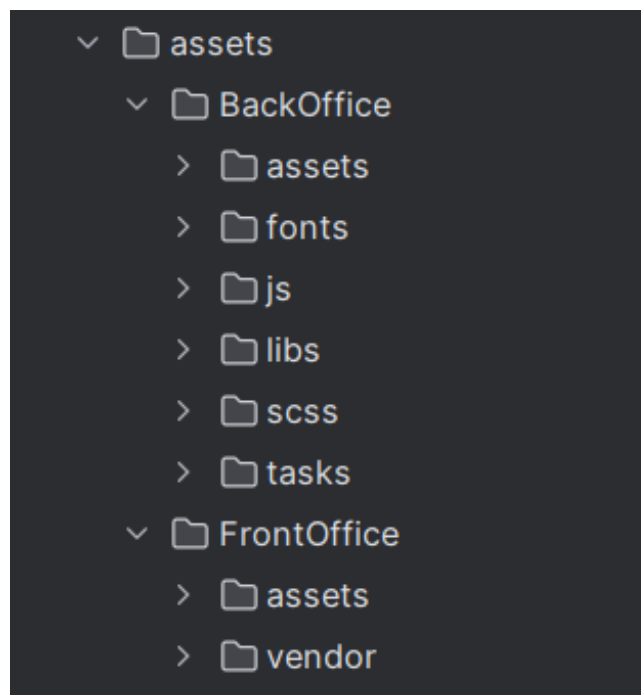
Step 01 : Download the template folder using this [link](#).

Note: These templates are examples for the workshop; you should choose the templates you want based on your subject.



Step 02 : File Organization

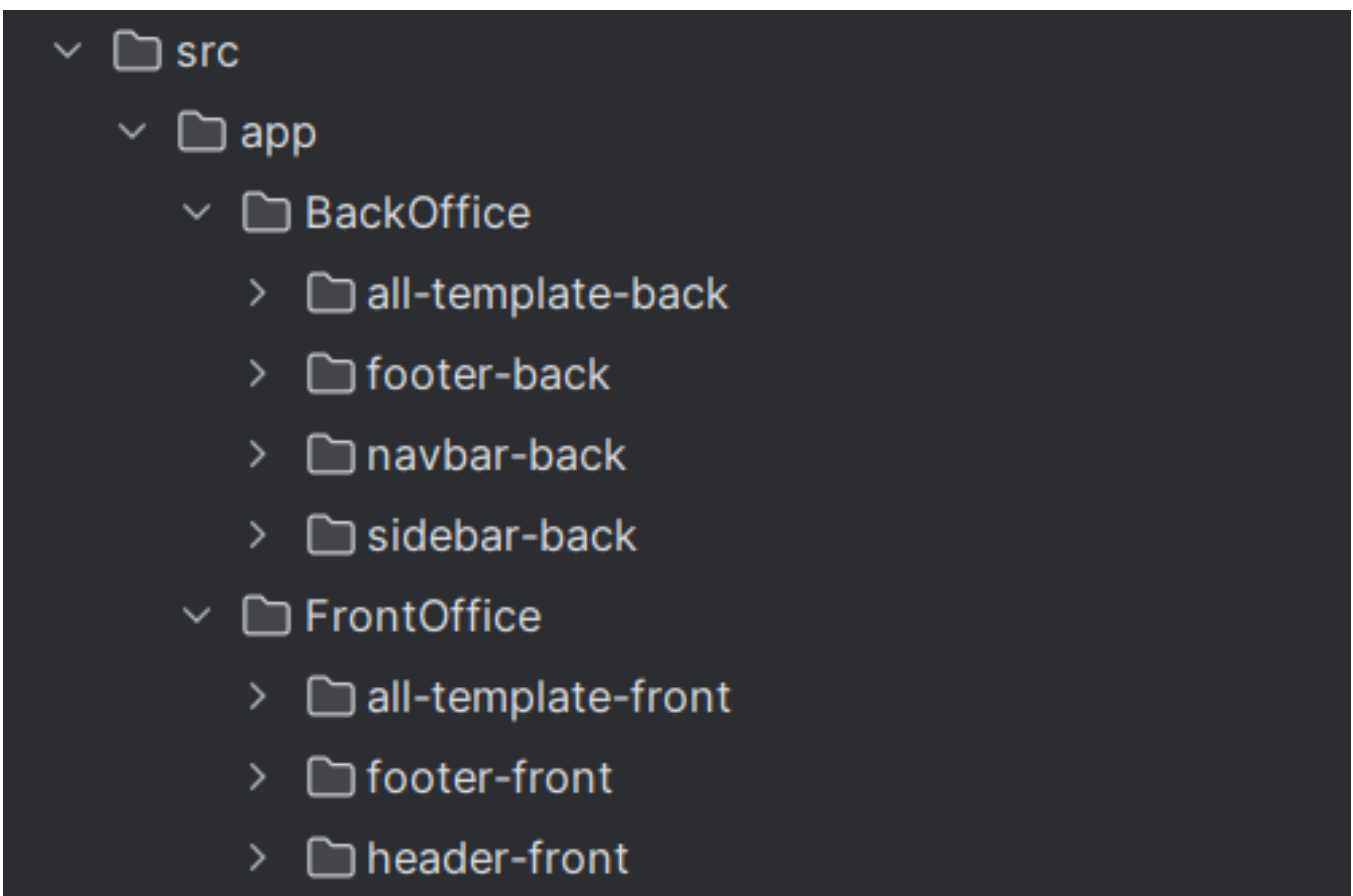
Place your template files (assets, fonts, js, css, etc.) in the "assets" folder.



Step 03 : Creating Components

To simplify template management, it is recommended to create a separate component for each static part of the template. These components will then be grouped within a main component that will serve as the basis for each page:

For the FrontOffice part (AllTemplateFrontComponent)	For the BackOffice part (AllTemplateBackComponent)
<div>Header Component</div> <div>Dynamic content</div> <div>Footer Component</div>	<div>Navbar Component</div> <div> <div>Sidebar Component</div> <div>Dynamic content</div> </div> <div>Footer Component</div>



Step 04 : Routage

In the app-routing.module.ts file, create routes for each component that groups all the components of a template. Associate each URL with its corresponding component in the routes array.

```
import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';
import { AllTemplateFrontComponent } from '../FrontOffice/all-template-front/all-template-front.component';
import { AllTemplateBackComponent } from '../BackOffice/all-template-back/all-template-back.component';

const routes: Routes = [
  {
    path: '',
    component: AllTemplateFrontComponent
  },
  {
    path: 'admin',
    component: AllTemplateBackComponent
  }
];

@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }
```

Step 05 : Content of the app.component.html file

Empty the app.component.html file and add the <router-outlet></router-outlet> tag. Using <router-outlet></router-outlet> in the app.component.html file defines the location where the content of each page will be dynamically displayed based on navigation. This provides a modular approach to changing the main content of the application based on the defined routes.

```
<> app.component.html x
1 <router-outlet></router-outlet>
2
```

Step 06 : Decompiling the Templates

Open the index.html file (the index page of the BackOffice part is located under the html folder) in each template and try to decompile it to place each code in the right place in your Angular application.

A. For the FrontOffice part :

1- Import the .css and .js files into the headerFrontComponent.html file.

Note: Do not forget to correct the path to the files by adding to the existing path the directory name /assets/FrontOffice/.

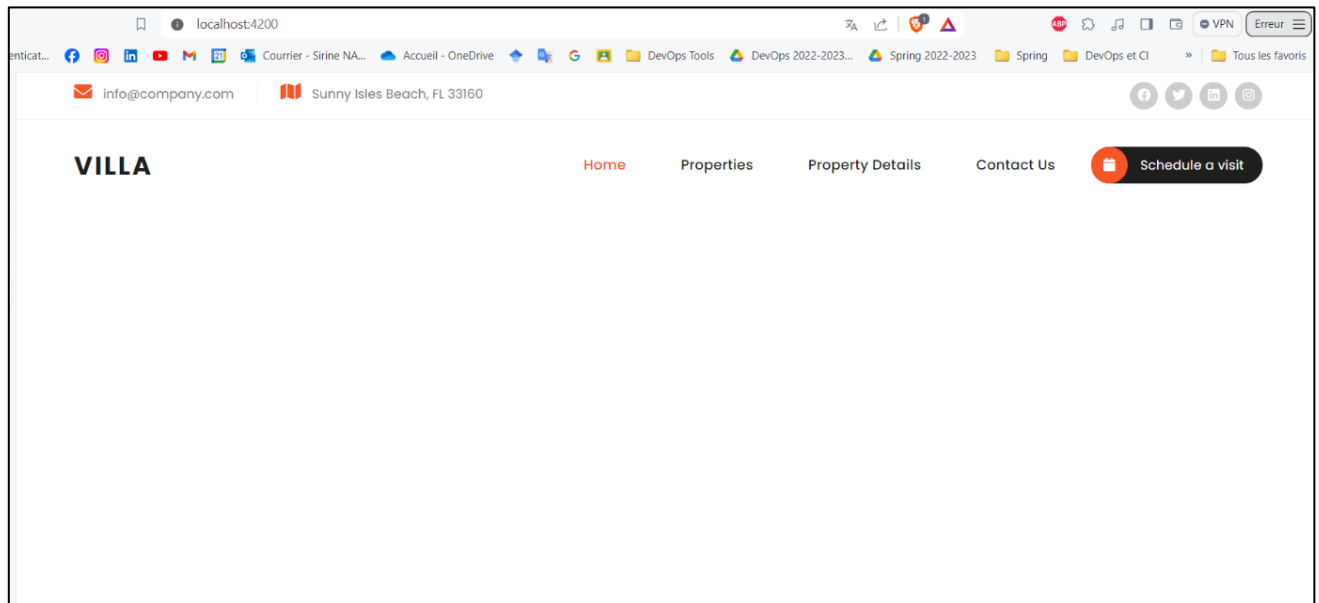
```
<> all-template-front.component.html x
1 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
2 <link href="/assets/FrontOffice/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
3 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/fontawesome.css">
4 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/template-villa-agency.css">
5 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/owl.css">
6 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/animate.css">
7 <link rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"/>
8
9 <script src="/assets/FrontOffice/vendor/jquery/jquery.min.js"></script>
10 <script src="/assets/FrontOffice/vendor/bootstrap/js/bootstrap.min.js"></script>
11 <script src="/assets/FrontOffice/assets/js/isotope.min.js"></script>
12 <script src="/assets/FrontOffice/assets/js/owl-carousel.js"></script>
13 <script src="/assets/FrontOffice/assets/js/counter.js"></script>
14 <script src="/assets/FrontOffice/assets/js/custom.js"></script>
15
```

2- Put the code of the Header part in the headerFrontComponent.html file

3- Call the <app-header-front></app-header-front> component in the allTemplateFrontComponent.html file

```
<> all-template-front.component.html x
1 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
2 <link href="/assets/FrontOffice/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
3 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/fontawesome.css">
4 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/template-villa-agency.css">
5 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/owl.css">
6 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/animate.css">
7 <link rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"/>
8 <app-header-front></app-header-front>
9
10 <script src="/assets/FrontOffice/vendor/jquery/jquery.min.js"></script>
11 <script src="/assets/FrontOffice/vendor/bootstrap/js/bootstrap.min.js"></script>
12 <script src="/assets/FrontOffice/assets/js/isotope.min.js"></script>
13 <script src="/assets/FrontOffice/assets/js/owl-carousel.js"></script>
14 <script src="/assets/FrontOffice/assets/js/counter.js"></script>
15 <script src="/assets/FrontOffice/assets/js/custom.js"></script>
```

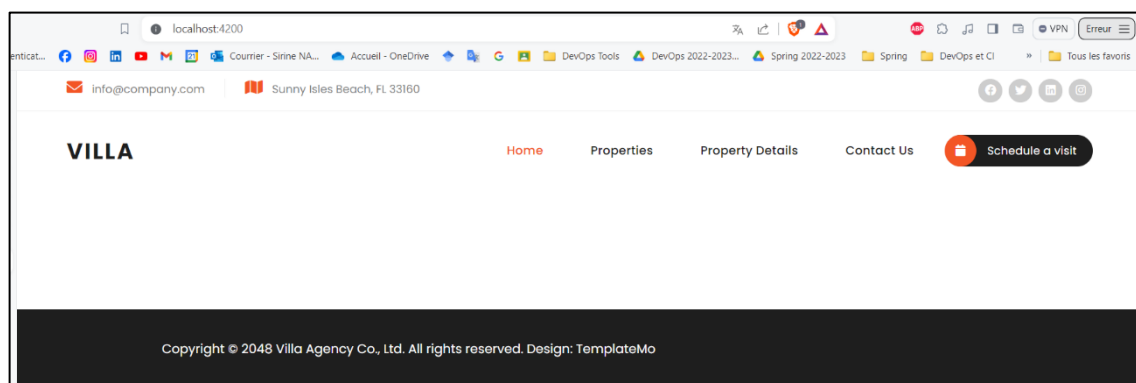
You should have the following result:



- 4- Put the code of the Footer part in the footerFrontComponent.html file
- 5- Call the `<app-footer-front></app-footer-front>` component in the allTemplateFrontComponent.html file

```
<> all-template-front.component.html x
1 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
2 <link href="/assets/FrontOffice/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
3 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/fontawesome.css">
4 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/templatemo-villa-agency.css">
5 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/owl.css">
6 <link rel="stylesheet" href="/assets/FrontOffice/assets/css/animate.css">
7 <link rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"/>
8 <app-header-front></app-header-front>
9 <app-footer-front></app-footer-front>
10 <script src="/assets/FrontOffice/vendor/jquery/jquery.min.js"></script>
11 <script src="/assets/FrontOffice/vendor/bootstrap/js/bootstrap.min.js"></script>
12 <script src="/assets/FrontOffice/assets/js/isotope.min.js"></script>
13 <script src="/assets/FrontOffice/assets/js/owl-carousel.js"></script>
14 <script src="/assets/FrontOffice/assets/js/counter.js"></script>
15 <script src="/assets/FrontOffice/assets/js/custom.js"></script>
```

You should have the following result :



- 6- Add the `<router-outlet></router-outlet>` tag between `<app-header-front></app-header-front>` and `<app-footer-front></app-footer-front>` to define the location where the content of each page will be dynamically displayed based on navigation.

```
<> all-template-front.component.html x
1 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
2 <link href="/assets/FontOffice/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
3 <link rel="stylesheet" href="/assets/FontOffice/assets/css/fontawesome.css">
4 <link rel="stylesheet" href="/assets/FontOffice/assets/css/template-villa-agency.css">
5 <link rel="stylesheet" href="/assets/FontOffice/assets/css/owl.css">
6 <link rel="stylesheet" href="/assets/FontOffice/assets/css/animate.css">
7 <link rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"/>
8 <app-header-front></app-header-front>
9 <router-outlet></router-outlet>
10 <app-footer-front></app-footer-front>
11 <script src="/assets/FontOffice/vendor/jquery/jquery.min.js"></script>
12 <script src="/assets/FontOffice/vendor/bootstrap/js/bootstrap.min.js"></script>
13 <script src="/assets/FontOffice/assets/js/isotope.min.js"></script>
14 <script src="/assets/FontOffice/assets/js/owl-carousel.js"></script>
15 <script src="/assets/FontOffice/assets/js/counter.js"></script>
16 <script src="/assets/FontOffice/assets/js/custom.js"></script>
17
```

B. For the BackOffice part :

- 1- Import the .css and .js files into the allTemplateBackComponent.html file.

Note: Do not forget to correct the path to the files by adding to the existing path the directory name `/assets/BackOffice/`.

```
<> all-template-back.component.html x
1 <link rel="icon" type="image/x-icon" href="/assets/BackOffice/assets/img/favicon/favicon.ico" />
2 <link rel="preconnect" href="https://fonts.googleapis.com" />
3 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
4 <link
5 href="https://fonts.googleapis.com/css2?family=Public+Sans:ital,wght@0,
6 300;0,400;0,500;0,600;0,700;1,300;1,400;1,500;1,600;1,700&display=swap"
7 rel="stylesheet"
8 />
9 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/fonts/boxicons.css" />
10 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/css/core.css" class="template-customizer-core-css" />
11 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/css/theme-default.css" class="template-customizer-theme-css" />
12 <link rel="stylesheet" href="/assets/BackOffice/assets/css/demo.css" />
13 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/perfect-scrollbar/perfect-scrollbar.css" />
14 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/apex-charts/apex-charts.css" />
15 <script src="/assets/BackOffice/assets/vendor/js/helpers.js"></script>
16 <script src="/assets/BackOffice/assets/js/config.js"></script>
17
18 <script src="/assets/BackOffice/assets/vendor/libs/jquery/jquery.js"></script>
19 <script src="/assets/BackOffice/assets/vendor/libs/popper/popper.js"></script>
20 <script src="/assets/BackOffice/assets/vendor/js/bootstrap.js"></script>
21 <script src="/assets/BackOffice/assets/vendor/libs/perfect-scrollbar/perfect-scrollbar.js"></script>
22 <script src="/assets/BackOffice/assets/vendor/js/menu.js"></script>
23 <script src="/assets/BackOffice/assets/vendor/libs/apex-charts/apexcharts.js"></script>
24 <script src="/assets/BackOffice/assets/js/main.js"></script>
25 <script src="/assets/BackOffice/assets/js/dashboards-analytics.js"></script>
26 <script async defer src="https://buttons.github.io/buttons.js"></script>
```

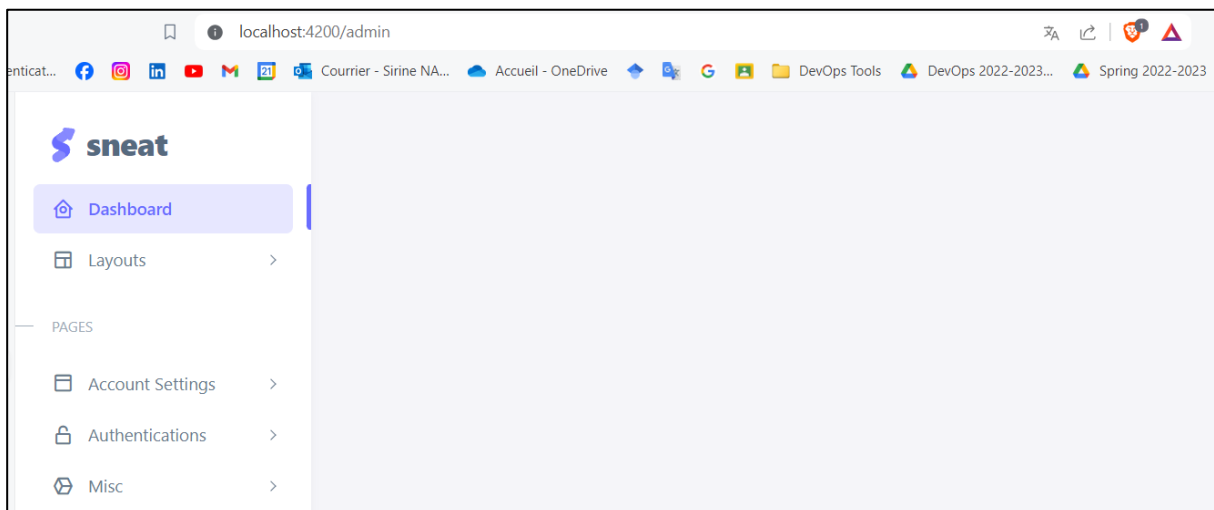
- 2- Put the code of the sideBar part in the sidebarBackComponent.html file

3- Call the `<app-sidebar-back></app-sidebar-back>` component in the `allTemplateBackComponent.html` file

Note: If you want to have a well-organized page, you can follow the structure defined in the index.html file (Naming of classes before the definition of each part)

```
<> all-template-back.component.html x
1 <link rel="icon" type="image/x-icon" href="/assets/BackOffice/assets/img/favicon/favicon.ico"/>
2 <link rel="preconnect" href="https://fonts.googleapis.com"/>
3 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
4 <link
5   href="https://fonts.googleapis.com/css2?family=Public+Sans:ital,wght@0,
6     300;0,400;0,500;0,600;0,700;1,300;1,400;1,500;1,600;1,700&display=swap"
7   rel="stylesheet"
8 />
9 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/fonts/boxicons.css"/>
10 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/css/core.css" class="template-customizer-core-css"/>
11 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/css/theme-default.css"
12   class="template-customizer-theme-css"/>
13 <link rel="stylesheet" href="/assets/BackOffice/assets/css/demo.css"/>
14 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/perfect-scrollbar/perfect-scrollbar.css"/>
15 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/apex-charts/apex-charts.css"/>
16 <script src="/assets/BackOffice/assets/vendor/js/helpers.js"></script>
17 <script src="/assets/BackOffice/assets/js/config.js"></script>
18 <div class="layout-wrapper layout-content-navbar">
19   <div class="layout-container">
20     <app-sidebar-back></app-sidebar-back>
21   </div>
22 </div>
23 <script src="/assets/BackOffice/assets/vendor/libs/jquery/jquery.js"></script>
24 <script src="/assets/BackOffice/assets/vendor/libs/popper/popper.js"></script>
```

You should have the following result :

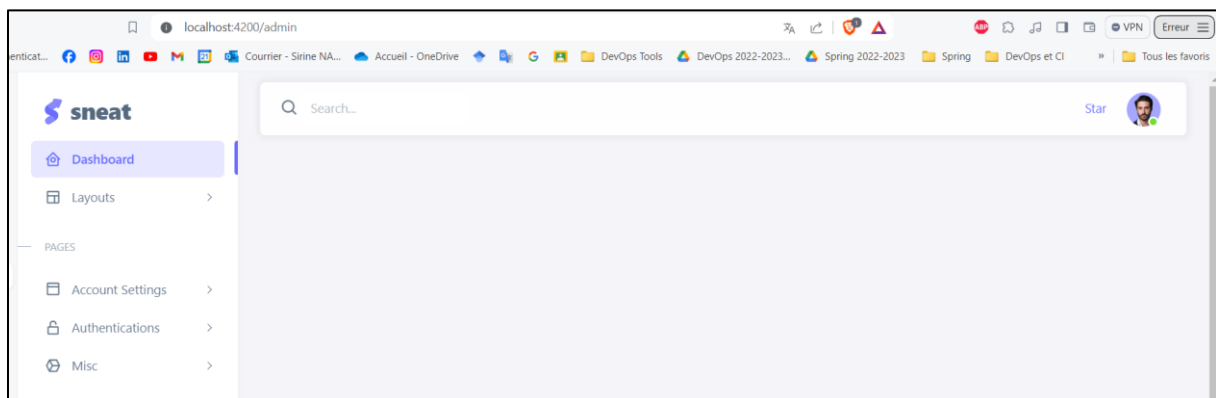


4- Put the code of the Navbar part in the `navbarBackComponent.html` file

- 5- Call the `<app-navbar-back></app-navbar-back>` component in the `allTemplateBackComponent.html` file

```
<> all-template-back.component.html x
13 <link rel="stylesheet" href="/assets/BackOffice/assets/css/demo.css"/>
14 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/perfect-scrollbar/perfect-scrollbar.css"/>
15 <link rel="stylesheet" href="/assets/BackOffice/assets/vendor/libs/apex-charts/apex-charts.css"/>
16 <script src="/assets/BackOffice/assets/vendor/js/helpers.js"></script>
17 <script src="/assets/BackOffice/assets/js/config.js"></script>
18 <div class="layout-wrapper layout-content-navbar">
19   <div class="layout-container">
20     <app-sidebar-back></app-sidebar-back>
21     <div class="layout-page">
22       <app-navbar-back></app-navbar-back>
23     </div>
24   </div>
25 </div>
26 <script src="/assets/BackOffice/assets/vendor/libs/jquery/jquery.js"></script>
27 <script src="/assets/BackOffice/assets/vendor/libs/popper/popper.js"></script>
28 <script src="/assets/BackOffice/assets/vendor/js/bootstrap.js"></script>
29 <script src="/assets/BackOffice/assets/vendor/libs/perfect-scrollbar/perfect-scrollbar.js"></script>
```

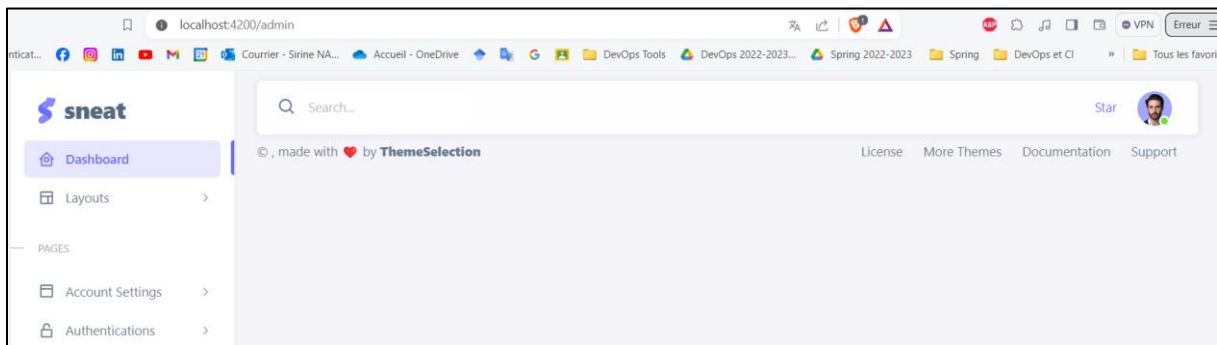
You should have the following result :



- 6- Put the code of the Footer part in the `footerBackComponent.html` file
- 7- Call the `<app-footer-back></app-footer-back>` component in the `allTemplateBackComponent.html` file

```
<> all-template-back.component.html x
17 <script src="/assets/BackOffice/assets/js/config.js"></script>
18 <div class="layout-wrapper layout-content-navbar">
19   <div class="layout-container">
20     <app-sidebar-back></app-sidebar-back>
21     <div class="layout-page">
22       <app-navbar-back></app-navbar-back>
23       <app-footer-back></app-footer-back>
24     </div>
25   </div>
26 </div>
```


You should have the following result



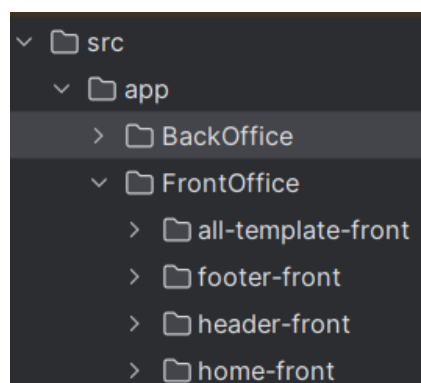
- 8- Add the `<router-outlet></router-outlet>` tag between `<app-navbar-back></app-navbar-back>` and `<app-footer-back></app-footer-back>` to define the location where the content of each page will be dynamically displayed based on navigation.

```
<> all-template-back.component.html x
17 <script src="/assets/BackOffice/assets/js/config.js"></script>
18 <div class="layout-wrapper layout-content-navbar">
19   <div class="layout-container">
20     <app-sidebar-back></app-sidebar-back>
21     <div class="layout-page">
22       <app-navbar-back></app-navbar-back>
23       <router-outlet></router-outlet>
24       <app-footer-back></app-footer-back>
25     </div>
26   </div>
27 </div>
```

Step 07 : Adding a New Interface under the AllTemplate <back or front> Component

To incorporate the frontend homepage into the Angular project, follow these steps:

- 1- Create the homeFrontComponent component



- 2- Put the code of the Home part in the homeFrontComponent.html file
- 3- In the app-routing.module.ts file, add a route for the new page under the AllTemplateFront component using the children option.

```
{
  path:"",
  component:AllTemplateFrontComponent,
  children:[
    {
      path:"",
      component:HomeFrontComponent
    }
  ]
},
```

The "children" option in Angular route configurations allows hierarchical organization of routes, improves code readability by clearly specifying child components, and facilitates reuse of components specific to particular sections of the application. It also offers navigation management by avoiding duplication of parent paths.

You should have the following result

