

Buổi 07:

Sử dụng Routing trong Angular

Bước 01: Tạo các components sau: **trangchu**, **sanpham**, **lienhe** và **dangnhap**

```
$ ng g component trangchu
CREATE src/app/components/trangchu/trangchu.component.html (23 bytes)
CREATE src/app/components/trangchu/trangchu.component.spec.ts (613 bytes)
CREATE src/app/components/trangchu/trangchu.component.ts (283 bytes)
CREATE src/app/components/trangchu/trangchu.component.css (0 bytes)
UPDATE src/app/app.module.ts (583 bytes)

$ ng g component sanpham
CREATE src/app/components/sanpham/sanpham.component.html (22 bytes)
CREATE src/app/components/sanpham/sanpham.component.spec.ts (606 bytes)
CREATE src/app/components/sanpham/sanpham.component.ts (279 bytes)
CREATE src/app/components/sanpham/sanpham.component.css (0 bytes)
UPDATE src/app/app.module.ts (680 bytes)

$ ng g component lienhe
CREATE src/app/components/lienhe/lienhe.component.html (21 bytes)
CREATE src/app/components/lienhe/lienhe.component.spec.ts (599 bytes)
CREATE src/app/components/lienhe/lienhe.component.ts (275 bytes)
CREATE src/app/components/lienhe/lienhe.component.css (0 bytes)
UPDATE src/app/app.module.ts (773 bytes)

$ ng g component dangnhap
CREATE src/app/components/dangnhap/dangnhap.component.html (23 bytes)
CREATE src/app/components/dangnhap/dangnhap.component.spec.ts (613 bytes)
CREATE src/app/components/dangnhap/dangnhap.component.ts (283 bytes)
CREATE src/app/components/dangnhap/dangnhap.component.css (0 bytes)
UPDATE src/app/app.module.ts (874 bytes)
```

Bước 02: Mở files **app-routing.module.ts** và viết code như sau:

```
import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';

import { TrangchuComponent } from './components/trangchu/trangchu.component';
import { SanphamComponent } from './components/sanpham/sanpham.component';
import { LienheComponent } from './components/lienhe/lienhe.component';
import { DangnhapComponent } from './components/dangnhap/dangnhap.component';
import { ThomeComponent } from './components/thome/thome.component';

const routes: Routes = [
  {path: '', component:TrangchuComponent},
  {path: 'sanpham', component:SanphamComponent},
  {path: 'dangnhap', component:DangnhapComponent},
  {path: 'lienhe', component:LienheComponent},
  {path: 'thome', component:ThomeComponent}
];

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

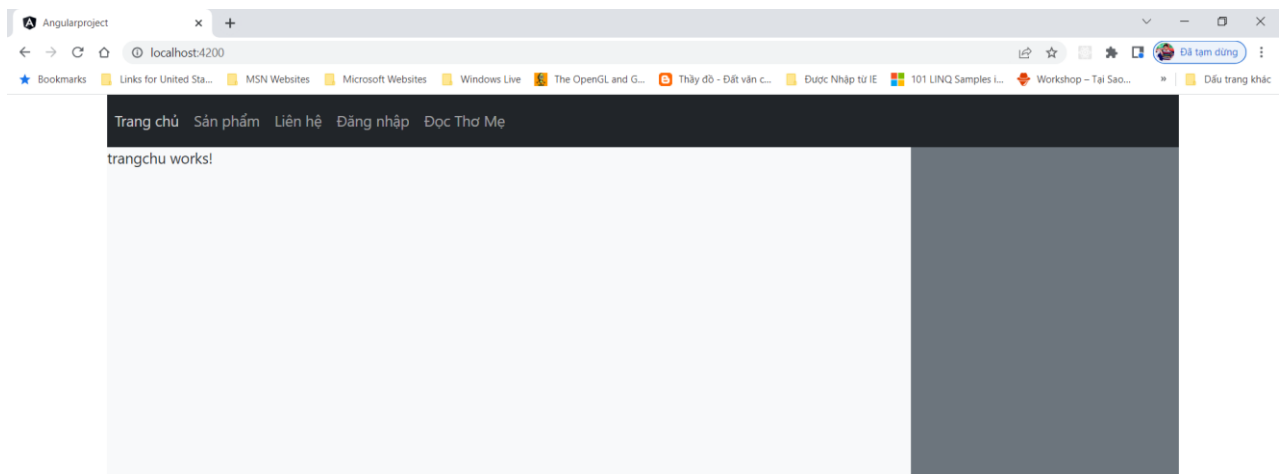
Bước 03: mở file **app.component.html**, tạo các link và khai báo nơi hiển thị nội dung:

```

<div class="container">
  <nav class="navbar navbar-expand navbar-dark bg-dark">
    <ul class="navbar-nav">
      <li class="nav-item"><a class="nav-link" routerLink="/" >Trang chủ</a> </li>
      <li class="nav-item"><a class="nav-link" routerLink="sanpham">Sản phẩm</a> </li>
      <li class="nav-item"><a class="nav-link" routerLink="lienhe">Liên hệ</a> </li>
      <li class="nav-item"><a class="nav-link" routerLink="dangnhap">Đăng nhập</a> </li>
      <li class="nav-item"><a class="nav-link" routerLink="thome">Đọc Thơ Mẹ</a> </li>
    </ul>
  </nav>
  <main class="d-flex" style="min-height: 400px;">
    <article class="col-md-9 bg-light">
      <router-outlet></router-outlet>
    </article>
    <aside class="col-md-3 bg-secondary"> </aside>
  </main>
</div>

```

Kết quả hiển thị:



Bước 04: Viết nội dung cho các component: trangchu, sanpham, lienhe và dangnhap.

Component trangchu: liệt kê danh sách người dùng

Trangchu.component.ts

```

import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-trangchu',
  templateUrl: './trangchu.component.html',
  styleUrls: ['./trangchu.component.css']
})
export class TrangchuComponent implements OnInit {
  users = [
    { firstName: 'Frank', lastName: 'Murphy', email: 'frank.murphy@test.com', role: 'User' },
    { firstName: 'Vic', lastName: 'Reynolds', email: 'vic.reynolds@test.com', role: 'Admin' },
    { firstName: 'Gina', lastName: 'Jabowski', email: 'gina.jabowski@test.com', role: 'Admin' },
    { firstName: 'Jessi', lastName: 'Glaser', email: 'jessi.glaser@test.com', role: 'User' },
    { firstName: 'Jay', lastName: 'Bilzerian', email: 'jay.bilzerian@test.com', role: 'User' }
  ];
  constructor() { }

  ngOnInit(): void {
  }
}

```

Trangchu.component.html

```
<h3 class="p-3 text-center">Users List</h3>
<div class="container">
  <table class="table table-striped table-bordered">
    <thead>
      <tr>
        <th>Name</th>
        <th>Email</th>
        <th>Role</th>
      </tr>
    </thead>
    <tbody>
      <tr *ngFor="let user of users">
        <td>{{user.firstName}} {{user.lastName}}</td>
        <td>{{user.email}}</td>
        <td>{{user.role}}</td>
      </tr>
    </tbody>
  </table>
</div>
```

Component sanpham: liệt kê danh sách sản phẩm

sanpham.component.ts

```
import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-sanpham',
  templateUrl: './sanpham.component.html',
  styleUrls: ['./sanpham.component.css']
})
export class SanphamComponent implements OnInit {
  products = [
    {image:'p1.jpg', name:'Chuột Mickey'},
    {image:'p2.jpg', name:'Vịt Donald'},
    {image:'p3.jpg', name:'Chó Pluto'},
    {image:'p4.jpg', name:'Chuột Jerry'},
    {image:'p5.jpg', name:'Mèo Tom'},
    {image:'p1.jpg', name:'Sư tử Simba'},
  ];

  constructor() { }

  ngOnInit(): void {
  }
}
```

sanpham.component.html

```
<div class="row">
  <div class="col-md-3 my-2" *ngFor="let pro of products">
    <div class="card" style="width:100%">
      
      <div class="card-body">
        <h5 class="card-title">{{pro.name}}</h5>
        <p class="card-text">...</p>
        <a href="#" class="btn btn-primary">Chi Tiết</a>
      </div>
    </div>
  </div>
</div>
```

Component dangnhap: liệt kê danh sách sản phẩm

dangnhap.component.html

```
<div class="panel panel-default">
  <div class="panel-heading">
    <h3 class="panel-title">Vui Lòng Đăng Nhập</h3>
  </div>
  <div class="panel-body">
    <form role="form" action="" method="POST">
      <fieldset>
        <div class="form-group mb-3">
          <input class="form-control" placeholder="E-mail" name="email" type="email" autofocus>
        </div>
        <div class="form-group mb-3">
          <input class="form-control" placeholder="Password" name="password" type="password" value="">
        </div>
        <button type="submit" class="btn btn-lg btn-success btn-block">Đăng Nhập</button>
      </fieldset>
    </form>
  </div>
</div>
```