Articles.compo.css

.headers{

    display: flex;

    justify-content: space-between;

    align-items: center;

    padding: 16px 30px;

    background-color: #435d7d;

    color: white;

    padding: 20px 25px;

    margin: 15px 0;

    }

    th{

    text-align: center;

    }

    .form-wrapper{

        display: flex;

        justify-content: center;

        align-items: center;

        height: 100%;

        width: 100%;

        position: absolute;

        top: 0;

        left: 0;

        background-color: rgba(0, 0, 0, 0.4);

        z-index: 100;

        }

        .mobile-form{

            background-color: white;

            width: 800px;

            padding: 20px 50px;

            border-radius: 5px;

            }

        .group{

        display: flex;

        margin: 15px 0;

        }

        .group label{

        width: 100px;

        line-height: 40px;

        height: 40px;

        }

        .action{

        display: flex;

        justify-content: center;

        gap:100px;

        margin: 20px;

        }

        .form-control{

        width: 90%;

        }

Arti.comp.html

<div>

    <div class="headers" >

        <h2 class="table-title">Gestion Des Articles</h2>

    </div>

    <div style="padding-left: 25px;">

        <button class="btn btn-success" (click)="openForm(null)">New</button>

        <div class="col-md-2">

            Filtre par sous catégorie <select class="form-control col-lg-8"

            [(ngModel)]="term">

            <option \*ngFor="let c of scategories">{{c.nomscategorie}}</option>

            </select>

            </div>

    <table class="table" >

        <thead>

            <tr>

                <th>designation</th>

                <th>image </th>

                <th>marque</th>

                <th>qtestock</th>

                <th>prix</th>

                <th></th>

                <th></th>

            </tr>

        </thead>

        <tbody class="text-container">

            <tr \*ngFor="let art of articles | filter:term">

                <td>{{art.designation}}</td>

                <td><img src="{{art.imageart}}" alt="" width="130" height="70"></td>

                <td>{{art.marque}}</td>

                <td>{{art.qtestock}}</td>

                <td>{{art.prix}}</td>

                <td><button class="btn btn-outline-primary" (click)="openForm(art)">Edit</button></td>

                <td><button class="btn btn-outline-danger" (click)="supprimerArticle(art.\_id)">Delete</button></td>

                <td></td>

            </tr>

        </tbody>

    </table>

</div>

</div>

<div>

    <div class="form-wrapper" \*ngIf="showForm">

        <div class="mobile-form">

    <h2 class="text-center text-info">{{formHeader}}</h2>

    <div class="group">

        <label for="">Reference</label>

        <input type="text" class="form-control" [(ngModel)]="reference"

        name="reference">

        </div>

    <div class="group">

    <label for="">Désignation</label>

    <input type="text" class="form-control" [(ngModel)]="designation"

    name="designation">

    </div>

    <div class="group">

    <label for="">Image</label>

    <input type="text" class="form-control" [(ngModel)]="imageart"

    name="imageart" />

    <div \*ngIf="imageart">

        <img src={{imageart}} width="100" height="50"/>

    </div>

    </div>

    <div class="group">

        <label for="">marque</label>

        <input type="text" class="form-control" [(ngModel)]="marque"

        name="marque">

        </div>

        <div class="group">

            <label for="">scategorieID</label>

                <select  name="nomscategorie" class="form-select" aria-label="Default select example"   [(ngModel)]="scategorieID" >

                    <option selected>choisir une sous categories</option>

                    <option \*ngFor="let scat of scategories" value="{{scat.\_id}}">{{scat.nomscategorie}}</option>

                  </select>

            </div>

        <div class="group">

            <label for="">Qte Stock</label>

            <input type="text" class="form-control" [(ngModel)]="qtestock"

            name="qtestk">

            </div>

        <div class="group">

            <label for="">prix</label>

            <input type="text" class="form-control" [(ngModel)]="prix"

            name="prix">

            </div>

    <div class="action">

    <button class="btn btn-primary save" (click)="enregistrer()">Enregistrer</button>

    <button class="btn btn-danger cancel" (click)="closeForm()">Annuler</button>

    </div>

    </div>

</div>

Articles.comp.ts

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

import { TitleStrategy } from '@angular/router';

import { ArticlesService } from '../Services/articles.service'

import { ScategoeiesService } from '../Services/scategoeies.service';

@Component({

  selector: 'app-articles',

  templateUrl: './articles.component.html',

  styleUrls: ['./articles.component.css']

})

export class ArticlesComponent {

  constructor(private artServ:ArticlesService,private scatserv:ScategoeiesService) {}

  articles:any;

  scategories:any;

  term:string

  formHeader=""

  showForm=false

  id=null

  designation=""

  imageart=""

  marque=""

  scategorieID=""

  prix=0

  qtestock=0

  reference=""

   getArticles()

   {

    this.artServ.fetchArticle().subscribe((data)=>this.articles=data);

   }

   ngOnInit():void{

    this.getArticles();

    this.getscategories();

   }

   getscategories()

   {

    return this.scatserv.fecthsouscategories().subscribe((data)=>{

      this.scategories=data;

      (err:any)=>console.log(err);

    })

   }

  supprimerArticle(id)

  {

    this.artServ.deleteArticle(id).subscribe((res)=>{this.getArticles();})

  }

 openForm(data)

 {

  this.showForm=true;

  if(data)

  {

    this.id=data['\_id'];

    this.designation=data['designation'];

    this.imageart=data['imageart'];

    this.marque=data['marque'];

    this.prix=data['prix'];

    this.qtestock=data['qtestock'];

    this.reference=data['reference'];

    this.formHeader="Edit Article"

  }

  else{

    this.id=null;

    this.formHeader="Ajouter Article";

  }

 }

 clearForm()

 {

  this.reference="";

  this.designation="";

  this.imageart="";

  this.marque="";

  this.prix=0;

  this.qtestock=0;

 this.scategorieID=""

 }

 closeForm()

 {

  this.showForm=false;

  this.clearForm();

 }

 enregistrer()

 {

  this.showForm=false

  let art={

    id:this.id,

    designation:this.designation,

    imageart:this.imageart,

    marque:this.marque,

    prix:this.prix,

    qtestock:this.qtestock,

    reference:this.reference,

    scategorieID:this.scategorieID

  }

  if(this.id)

  {

    art['\_id']=this.id

    this.artServ.editArticle(art).subscribe((res)=>{this.getArticles();})

    this.clearForm();

  }

  else{

    this.artServ.addArticle(art).subscribe((res)=>{this.getArticles();})

    this.clearForm();

  }

 }

}

articlesCard.compo.html

<div class="row" >

    <div class="col-md-2" \*ngFor="let a of articles" >

    <div class="card" style="width: 14rem;">

    <img src={{a.imageart}} class="card-img-top" alt="image" style="width: 10rem;" >

    <div class="card-body">

    <h5 class="card-title">{{a.reference}}</h5>

    <p class="card-text">Prix : {{a.prix}}</p>

    <a href="#" class="btn btn-primary">Acheter</a>

    </div>

    </div>

    </div>

    </div>

Artcilecardcomp.spec.ts

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { ArticlescardComponent } from './articlescard.component';

describe('ArticlescardComponent', () => {

  let component: ArticlescardComponent;

  let fixture: ComponentFixture<ArticlescardComponent>;

  beforeEach(async () => {

    await TestBed.configureTestingModule({

      declarations: [ ArticlescardComponent ]

    })

    .compileComponents();

    fixture = TestBed.createComponent(ArticlescardComponent);

    component = fixture.componentInstance;

    fixture.detectChanges();

  });

  it('should create', () => {

    expect(component).toBeTruthy();

  });

});

Artcicard.com.ts

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

import { ArticlesService } from '../Services/articles.service';

@Component({

  selector: 'app-articlescard',

  templateUrl: './articlescard.component.html',

  styleUrls: ['./articlescard.component.css']

})

export class ArticlescardComponent {

  constructor(private artServ:ArticlesService){}

  articles:any;

  getArticles()

  {

   this.artServ.fetchArticle().subscribe((data)=>this.articles=data);

  }

  ngOnInit():void{

   this.getArticles();

  }

}

Artcar.ts

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

import { ArticlesService } from '../Services/articles.service';

@Component({

  selector: 'app-articlescard',

  templateUrl: './articlescard.component.html',

  styleUrls: ['./articlescard.component.css']

})

export class ArticlescardComponent {

  constructor(private artServ:ArticlesService){}

  articles:any;

  getArticles()

  {

   this.artServ.fetchArticle().subscribe((data)=>this.articles=data);

  }

  ngOnInit():void{

   this.getArticles();

  }

}

Articledatatable.html

<div >

    <div class="headers">

    <h2 class="table-title">Gestion des articles</h2>

    </div>

    <table datatable class="table table-hover table-bordered" \*ngIf="articles">

    <thead>

    <tr>

    <th>Référence</th>

    <th>Désignation</th>

    <th>Prix</th>

    <th>Marque</th>

    <th>Quantité</th>

    <th>Image</th>

    <th>actions</th>

    </tr>

    </thead>

    <tbody class="text-center">

    <tr \*ngFor ="let art of articles">

    <td>{{art.reference}}</td>

    <td>{{art.designation}}</td>

    <td>{{art.prix}} DT</td>

    <td>{{art.marque}}</td>

    <td>{{art.qtestock}}</td>

    <td><img src={{art.imageart}} alt="" width="100" height="50"/></td>

    <td>

    actions

    </td>

    </tr>

    </tbody>

    </table>

    </div>

Article data table.ts

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

import { ArticlesService } from '../Services/articles.service';

@Component({

  selector: 'app-atricledatatable',

  templateUrl: './atricledatatable.component.html',

  styleUrls: ['./atricledatatable.component.css']

})

export class AtricledatatableComponent {

  constructor(private artServ:ArticlesService){}

  articles:any;

  getArticles()

  {

   this.artServ.fetchArticle().subscribe((data)=>this.articles=data);

  }

  ngOnInit():void{

   this.getArticles();

  }

}

Ctegorie.css

.headers{

    display: flex;

    justify-content: space-between;

    align-items: center;

    padding: 16px 30px;

    background-color: #435d7d;

    color: white;

    padding: 20px 25px;

    margin: 15px 0;

    }

    th{

    text-align: center;

    }

    .form-wrapper{

        display: flex;

        justify-content: center;

        align-items: center;

        height: 100%;

        width: 100%;

        position: absolute;

        top: 0;

        left: 0;

        background-color: rgba(0, 0, 0, 0.4);

        z-index: 100;

        }

        .mobile-form{

            background-color: white;

            width: 600px;

            padding: 20px 50px;

            border-radius: 5px;

            }

        .group{

        display: flex;

        margin: 15px 0;

        }

        .group label{

        width: 70px;

        line-height: 40px;

        height: 40px;

        }

        .action{

        display: flex;

        justify-content: center;

        gap:100px;

        margin: 20px;

        }

        .form-control{

        width: 90%;

        }

Categorie.html

<div >

    <div class="headers">

    <h2 class="table-title">Gestion des categories</h2>

    <button class="btn btn-success" (click)="openForm(null)">Nouveau</button>

    </div>

    <table class="table">

    <thead>

    <tr>

    <th>Nom categorie</th>

    <th>Image</th>

    <th></th>

    <th></th>

    </tr>

    </thead>

    <tbody class="text-center">

    <tr \*ngFor ="let cat of categories">

    <td>{{cat.nomcategorie}}</td>

    <td><img src={{cat.imagecategorie}} alt="" width="130"

    height="70"/></td>

    <td>

    <button class="btn btn-outline-primary" (click)="openForm(cat)">Edit</button>

    </td>

    <td>

        <button class="btn btn-outline-danger" (click)="DeleteCat(cat.\_id)">Delete</button>

        </td>

        </tr>

        </tbody>

        </table>

        </div>

        <div>

            <div class="form-wrapper" \*ngIf="showForm">

                <div class="mobile-form">

            <h2 class="text-center text-info">{{formHeader}}</h2>

            <div class="group">

            <label for="">Nom categorie</label>

            <input type="text" class="form-control" [(ngModel)]="nomcategorie"

            name="nomcategorie">

            </div>

            <div class="group">

            <label for="">Image</label>

            <input type="text" class="form-control" [(ngModel)]="imagecategorie"

            name="imagecategorie" />

            <div \*ngIf="imagecategorie">

                <img src={{imagecategorie}} width="100" height="50"/>

            </div>

            </div>

            <div class="action">

            <button class="btn btn-primary save" (click)="savecategorie()">Enregistrer</button>

            <button class="btn btn-danger cancel"  (click)="closeForm()">Annuler</button>

            </div>

            </div>

        </div>

        <div>

            <div class="form-wrapper" \*ngIf="showFormModif">

                <div class="mobile-form">

            <h2 class="text-center text-info">{{formHeader}}</h2>

            <div class="group">

            <label for="">Nom categorie</label>

            <input type="text" class="form-control" [(ngModel)]="nomcategorie"

            name="nomcategorie">

            </div>

            <div class="group">

            <label for="">Image</label>

            <input type="text" class="form-control" [(ngModel)]="imagecategorie"

            name="imagecategorie" />

            <div \*ngIf="imagecategorie">

                <img src={{imagecategorie}} width="100" height="50"/>

            </div>

            </div>

            <div class="action">

            <button class="btn btn-primary save" (click)="savecategorie()">Enregistrer</button>

            <button class="btn btn-danger cancel"  (click)="closeForm()">Annuler</button>

            </div>

            </div>

        </div>

Categorie.ts

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

import { CategoriesService } from '../Services/categories.service';

@Component({

  selector: 'app-categorie',

  templateUrl: './categorie.component.html',

  styleUrls: ['./categorie.component.css']

})

export class CategorieComponent {

  constructor(private catServ:CategoriesService) {}

  categories:any;

  formHeader="Ajouter une categorie"

  id=null

  nomcategorie="Cosmitique"

  imagecategorie=""

  showForm=false

  showFormModif=false

  ngOnInit():void{

    this.listcategorie()

    }

    listcategorie(){

      this.catServ.fecthcategories().subscribe(

        (data)=>{

        this.categories=data

        }

        );

    }

    DeleteCat(id){

      this.catServ.deletecategorie(id).subscribe(

      (res)=>{

      this.listcategorie();

      })

      }

      openForm(data){

        this.showForm=true;

        if(data){

          this.nomcategorie=data['nomcategorie'];

          this.imagecategorie=data['imagecategorie'];

          this.id=data['\_id'];

          this.formHeader="Edit Categorie";

        }

        else{

          this.id=null;

          this.formHeader="Add Categorie";

        }

        }

        clearForm(){

          this.nomcategorie=""

          this.imagecategorie=""

          }

        closeForm(){

          this.showForm=false;

          this.clearForm();

          }

          savecategorie(){

            this.showForm=false;

            let cat={

            nomcategorie:this.nomcategorie,

            imagecategorie:this.imagecategorie

            }

            this.catServ.addcategorie(cat).subscribe(

            (res)=>{

            this.listcategorie();

            this.closeForm();

            }

            )

            }

}

Models :

Article.ts

export class Articles {

    id:object;

    designation:string;

    imageart:string;

    marque:string;

    prix:number;

    qtestock: number;

    reference:string;

}

Categories.ts

export class Categorie {

    id:object;

nomcategorie:String;

imagecategorie:String;

}

Article.service.ts

import { Injectable } from '@angular/core';

import { HttpClient } from '@angular/common/http';

@Injectable({

  providedIn: 'root'

})

export class ArticlesService {

  constructor( private http:HttpClient) { }

  url= "http://localhost:3001/api/articles/"

  fetchArticle()

  {

    return this.http.get(this.url)

  }

  deleteArticle(id)

  {

    return this.http.delete(this.url+"/"+id)

  }

  addArticle(art)

  {

    return this.http.post(this.url,art)

  }

  editArticle(art)

  {

    return this.http.put(this.url+"/"+art.id,art)

  }

}

Categories.services.ts

import { Injectable } from '@angular/core';

import { HttpClient } from '@angular/common/http';

@Injectable({

  providedIn: 'root'

})

export class CategoriesService {

  constructor(private http:HttpClient){ }

  url="http://localhost:3001/api/categories/"

  fecthcategories()

  {

    return this.http.get(this.url)

  }

  deletecategorie(id){

    return this.http.delete(this.url + id)

    }

  addcategorie(categ){

    return this.http.post(this.url,categ)

  }

  Putcategorie(cat)

{

return this.http.put(this.url + "/" + cat.id,cat)

}

}

App.module.ts

import { NgModule } from '@angular/core';

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { CategorieComponent } from './categorie/categorie.component';

import {HttpClientModule} from '@angular/common/http';

import { FormsModule } from '@angular/forms';

import { ScategoeiesComponent } from './scategoeies/scategoeies.component';

import { ArticlesComponent } from './articles/articles.component';

import { ArticlescardComponent } from './articlescard/articlescard.component';

import { AtricledatatableComponent } from './atricledatatable/atricledatatable.component';

import { DataTablesModule } from 'angular-datatables';

import { Ng2SearchPipeModule } from 'ng2-search-filter';

@NgModule({

  declarations: [

    AppComponent,

    CategorieComponent,

    ScategoeiesComponent,

    ArticlesComponent,

    ArticlescardComponent,

    AtricledatatableComponent

  ],

  imports: [

    BrowserModule,

    FormsModule,

    AppRoutingModule,

    HttpClientModule,

    DataTablesModule,

    Ng2SearchPipeModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

app.component.html

<router-outlet>

    <nav class="navbar navbar-expand-lg navbar-dark bg-primary">

    <div class="container-fluid">

      <a class="navbar-brand" href="#">Gestion Commercial</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarColor01" aria-controls="navbarColor01" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarColor01">

        <ul class="navbar-nav me-auto">

          <li class="nav-item">

            <a class="nav-link active" routerLink="categorie">categorie

              <span class="visually-hidden">(current)</span>

            </a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="souscategorie">Sous Categorie</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="Article">Articles</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="Article Card">Article Card</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="articledatatable">Article Data Table</a>

          </li>

          <li class="nav-item dropdown">

            <a class="nav-link dropdown-toggle" data-bs-toggle="dropdown" href="#" role="button" aria-haspopup="true" aria-expanded="false">Dropdown</a>

            <div class="dropdown-menu">

              <a class="dropdown-item" href="#">Action</a>

              <a class="dropdown-item" href="#">Another action</a>

              <a class="dropdown-item" href="#">Something else here</a>

              <div class="dropdown-divider"></div>

              <a class="dropdown-item" href="#">Separated link</a>

            </div>

          </li>

        </ul>

        <form class="d-flex">

          <input class="form-control me-sm-2" type="search" placeholder="Search">

          <button class="btn btn-secondary my-2 my-sm-0" type="submit">Search</button>

        </form>

      </div>

    </div>

  </nav>

</router-outlet>

Tsconfig.json

/\* To learn more about this file see: https://angular.io/config/tsconfig. \*/

{

  "compileOnSave": false,

  "compilerOptions": {

    "strictPropertyInitialization": false,

    "noImplicitAny":false,

    "baseUrl": "./",

    "outDir": "./dist/out-tsc",

    "forceConsistentCasingInFileNames": true,

    "strict": true,

    "noImplicitOverride": true,

    "noPropertyAccessFromIndexSignature": true,

    "noImplicitReturns": true,

    "noFallthroughCasesInSwitch": true,

    "sourceMap": true,

    "declaration": false,

    "downlevelIteration": true,

    "experimentalDecorators": true,

    "moduleResolution": "node",

    "importHelpers": true,

    "target": "ES2022",

    "module": "ES2022",

    "useDefineForClassFields": false,

    "lib": [

      "ES2022",

      "dom"

    ]

  },

  "angularCompilerOptions": {

    "enableI18nLegacyMessageIdFormat": false,

    "strictInjectionParameters": true,

    "strictInputAccessModifiers": true,

    "strictTemplates": true

  }

}