import { ProductCategory } from './../models/product-category';

import { Product } from './../models/product';

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

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

import { Observable } from 'rxjs';

import { map } from 'rxjs/operators';

@Injectable({

providedIn: 'root'

})

export class ProductService {

private baseUrl: string = 'http://localhost:9090/api/products';

private categoryUrl: string = 'http://localhost:9090/api/product-category';

constructor(private http: HttpClient) { }

getProductsListPaginate(thePage: number,

thePageSize: number,

theCategoryId: number): Observable<GetResponseProduct>{

// need to build URL based on Category id

const searchUrl = `${this.baseUrl}/search/findByCategoryId?id=${theCategoryId}`+

`&page=${thePage}&size=${thePageSize}`;

return this.http.get<GetResponseProduct>(searchUrl);

}

getProductsList(theCategoryId: number): Observable<Product[]>{

// need to build URL based on Category id

const searchUrl = `${this.baseUrl}/search/findByCategoryId?id=${theCategoryId}`;

return this.getProducts(searchUrl);

}

searchProductsList(value: string): Observable<Product[]> {

const searchUrl = `${this.baseUrl}/search/findByNameContaining?name=${value}`;

return this.getProducts(searchUrl);

}

private getProducts(searchUrl: string): Observable<Product[]> {

return this.http.get<GetResponseProduct>(searchUrl).pipe(

map(response => response.\_embedded.products)

);

}

getProductCategories(): Observable<ProductCategory[]> {

return this.http.get<GetResponseCategory>(this.categoryUrl).pipe(

map(response=> response.\_embedded.productCategory)

)

}

getProduct(theProductId: number): Observable<Product> {

// need to build the URL based on product id

const productUrl = `${this.baseUrl}/${theProductId}`;

return this.http.get<Product>(productUrl);

}

}

interface GetResponseProduct{

\_embedded : {

products: Product[];

},

page: {

size: number,

totalElements: number,

totalPages: number,

number: number

}

}

interface GetResponseCategory{

\_embedded : {

productCategory: ProductCategory[];

}

}