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

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

import { FileHandle } from './file-handle.model';

import { MovieTicket } from './movieticket.model';

@Injectable({

providedIn: 'root'

})

export class ImageProcessingService {

constructor(private sanitizer:DomSanitizer) { }

public createImages( ticket: MovieTicket ){

const moviePoster: any[] = ticket.moviePoster;

const posterToFilHandle: FileHandle[] = [];

for (let i = 0; i < moviePoster.length; i++) {

const imageFileData = moviePoster[i];

const imageBlob = this.dataURItoBlob(imageFileData.pic,imageFileData.type);

const imageFile = new File([imageBlob], imageFileData.name, { type:imageFileData.type });

const finalFileHandle:FileHandle = {

file: imageFile,

url: this.sanitizer.bypassSecurityTrustUrl(window.URL.createObjectURL(imageFile))

};

posterToFilHandle.push(finalFileHandle);

}

ticket.moviePoster = posterToFilHandle;

return ticket;

}

public dataURItoBlob(pic, type){

const byteString = window.atob(pic);

const arrayBuffer = new ArrayBuffer(byteString.length);

const int8Array = new Uint8Array(arrayBuffer);

for (let i = 0; i < byteString.length; i++) {

int8Array[i] = byteString.charCodeAt(i);

}

const blob = new Blob([int8Array],{type:type});

return blob;

}

}