import { Component, Input, Output, EventEmitter, ViewChild, ElementRef,

AfterViewInit, HostListener } from '@angular/core';

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

import { ConstantsService } from '../../../services/constants.service';

import { LogicService } from '../../../services/logic.service';

@Component({

selector: 'app-slider',

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

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

})

export class SliderComponent implements AfterViewInit {

sliderMaxValue = this.constantsService.getSliderMaxValue();

width;

position;

value;

scale;

gradient;

private trackLenght;

@Input() comparison;

@Output() comparisonChange = new EventEmitter<any>();

@ViewChild('slider') input: ElementRef;

@ViewChild('shell') shellDiv:ElementRef;

@HostListener ('window:resize') onResize() {

this.width = (this.input.nativeElement.scrollWidth - 4); //size pasar a string con terminación px

this.trackLenght = this.input.nativeElement.scrollWidth - 80; // 40+20 = 1.5\*Thumbsize

this.move(this.comparison);

}

constructor(private constantsService: ConstantsService,

private logicService: LogicService,

private domSanitizer: DomSanitizer) { }

ngAfterViewInit() {

setTimeout(\_ => this.onResize());

}

move(value) {

let relativeValue = value/this.sliderMaxValue;

let valueFromMid = 2\*Math.abs(relativeValue - 0.5);

let factor = 1 + valueFromMid // 1=100%

let red;

let green;

let blue;

let color;

let gradient;

let min = 20;

let max = 250;

let dif = max-min;

red = max;

green = Math.round(max - dif\*valueFromMid);

blue = green;

color = "rgba("+red+","+green+","+blue+",1)";

if(relativeValue < 0.47) { //Left 100%\*steps/total = 8/17

gradient = "linear-gradient(90deg,"+color+","+color+",#FFFFFF,#FFFFFF,#FFFFFF)";

}

else if(relativeValue > 0.52) { //Right 100%\*steps/total = 9/17

gradient = "linear-gradient(90deg,#FFFFFF,#FFFFFF,#FFFFFF,"+color+","+color+")";

}

else { //Middle

gradient = "linear-gradient(90deg,#FFFFFF,#FFFFFF,#FFFFFF,#FFFFFF,#FFFFFF)";

}

this.comparison = value;

this.value = this.logicService.convertSliderValue(value);

this.position = relativeValue \* this.trackLenght+20;

this.scale = "scale("+factor+")";

this.gradient = this.domSanitizer.bypassSecurityTrustStyle(gradient);

this.comparisonChange.emit(this.comparison);

}

}