const {NgModule, Component, EventEmitter, OnInit, Input, Output } = ng.core;

const {bootstrap} = ng.platform.browser;

// Start Rating Component

@Component({

selector: 'star-rating',

template: `

<span class='star-rating'>

<ng-container \*ngIf='!forDisplay'>

<i \*ngFor='let n of range; let $index = index;' class='fa to-rate' (click)='mark($index)' [ngClass]='isMarked($index)'></i>

</ng-container>

<ng-container \*ngIf='forDisplay'>

<i \*ngFor='let n of range; let $index = index;' class="to-display fa" [ngClass]='isMarked($index)'></i>

</ng-container>

</span>

`

})

class StarRatingComponent implements OnInit {

@Input() score;

@Input() maxScore = 5;

@Input() forDisplay = false;

@Output() rateChanged = new EventEmitter();

range = [];

marked = -1;

constructor() { }

ngOnInit() {

for (var i = 0; i < this.maxScore; i++) {

this.range.push(i);

}

}

public mark = (index) => {

this.marked = this.marked == index ? index - 1 : index;

this.score = this.marked + 1;

this.rateChanged.next(this.score);

}

public isMarked = (index) => {

if (!this.forDisplay) {

if (index <= this.marked) {

return 'fa-star';

}

else {

return 'fa-star-o';

}

}

else {

if (this.score >= index + 1) {

return 'fa-star';

}

else if (this.score > index && this.score < index + 1) {

return 'fa-star-half-o';

}

else {

return 'fa-star-o';

}

}

}

}

$gray: #aaa;

body{

background: black;

color: white;

}

.container{

display: flex;

flex-direction: column;

align-items: center;

justify-content: center;

padding: 16px;

.section{

display: flex;

height: 200px;

align-items: center;

justify-content: center;

.block{

border: 1px solid $gray;

border-radius: 3px;

margin:16px;

padding: 40px;

.margin-vertical-8{

margin: 8px 0;

}

}

}

}

.star-rating{

.to-rate{

cursor: pointer;

padding: 0 3px;

}

.fa-star-o{

color: orange;

}

.fa-star{

color: orange;

}

.fa-star-half-o{

color: orange;

}

.to-display{

padding: 0 2px;

}

}

// App component shows the usage of star rating component

@Component({

selector: 'my-app',

providers: [],

directives: [StarRatingComponent],

template: `

<div class="container">

<h4>STAR RATING</h4>

<div class="section">

<div class="block">

<div>To Rate</div>

<star-rating [maxScore]="5" [forDisplay]="false" (rateChanged)="onRateChange($event)"></star-rating>

<div>Rating: {{score}}</div>

</div>

<div class="block">

<div>To Display</div>

<star-rating [score]="displayRatingScore" [forDisplay]="true"></star-rating>

<div>Rating: {{displayRatingScore}}</div>

</div>

</div>

<div class="options">

<h4>Options</h4>

<ul>

<li>[score]: number : rating value</li>

<li>[maxScore]: number : Max rating scale : default to 5</li>

<li>[forDisplay]: boolean : to rate or to display rating</li>

<li>(rateChanged): event : to capture changed value</li>

</ul>

</div>

</div>

`,

})

class AppComponent {

score : number = 0;

displayRatingScore = 4;

constructor() { }

ngOnInit(){

}

onRateChange = (score) => {

this.score = score;

}

}

bootstrap(AppComponent);