Like.component.ts

**import** { Component, OnInit } **from** '@angular/core';  
**import** { LikeService} **from** "../like.service";  
**import** {FormControl, FormGroup} **from** "@angular/forms";  
  
@Component({  
 selector: 'app-like',  
 templateUrl: './like.component.html',  
 styleUrls: ['./like.component.css']  
})  
**export class** LikeComponent **implements** OnInit {  
  
 like = 0;  
 dislike = 0;  
 // public favourForm: FormGroup;  
 favour: **any**;  
 **constructor**(**private** serve:LikeService) { }  
  
 ngOnInit() {  
  
 **this**.serve.addLikes(**this**.favour).subscribe(res => {  
 console.log(res);  
 // this.favour = res;  
 **this**.like = res.like;  
 // console.log(res.like);  
 // this.favour.like=res.like;  
 });  
 **this**.favour = {  
 username: localStorage.getItem('username'),  
 modelname: 'KB',  
 like: **this**.like,  
 dislike: 0  
 }  
 }  
  
 onlike() {  
 // this.like = this.like + 1;  
 console.log("in like before", **this**.like);  
 **if**(**this**.like===0) {  
 **this**.like=1;  
 **this**.favour.like = 1;  
 }  
 **else** {  
 **this**.like=0;  
 **this**.favour.like = 0;  
 }  
 console.log("in like after", **this**.like);  
 // debugger  
 **this**.serve.addLikes(**this**.favour).subscribe(res => {  
 console.log(res);  
 console.log(res.like);  
 **this**.favour.like=res.like;  
 **this**.like = res.like;  
 });  
 }  
 ondislike() {  
 **if**(**this**.like===1) {  
 **this**.dislike=0;  
 }  
 **else if**(**this**.dislike===0) {  
 // this.dislike=1;  
 **this**.favour.dislike = 1;  
 }  
 **else** {  
 // this.dislike=0;  
 **this**.favour.dislike = 0;  
 }  
 }  
  
}

like.component.html

<br>  
<link href="//netdna.bootstrapcdn.com/bootstrap/3.0.0/css/bootstrap-glyphicons.css" rel="stylesheet">  
  
<br>  
<p>Like  
 <button class="btn btn-info btn-lg" (click)="onlike()">  
 <span class="glyphicon glyphicon-thumbs-up"></span> Like  
 </button>  
</p>  
<h5> {{like}} </h5>  
  
<br>  
<p>DisLike  
 <button class="btn btn-info btn-lg" (click)="ondislike()">  
 <span class="glyphicon glyphicon-thumbs-down"></span> Unlike  
 </button>  
</p>  
<h5> {{dislike}}</h5>  
  
  
<app-comment></app-comment>  
  
<!--<p>Envelope icon: <span class="glyphicon glyphicon-envelope"></span></p>-->

Comment.html

<h5> Comments</h5>  
  
<form class="example-form">  
 <mat-form-field class="example-full-width">  
 <input matInput placeholder="write your comment" #val value="something">  
 </mat-form-field>  
 <button mat-raised-button routerLinkActive="mat-accent" (click)="onclick(val)">Submit</button>  
</form>  
<!--<h6> result {{comment}}</h6>-->  
  
  
<table>  
 <thead>  
 <th>Username</th>  
 <th>Comment</th>  
 </thead>  
 <tbody>  
 <tr *\*ngFor*="**let** com of comment">  
 <td>{{com}}</td>  
 </tr>  
 </tbody>  
</table>

Comment.component.ts

**import** { Component, OnInit } **from** '@angular/core';  
**import** { LikeService } **from** "../like.service";  
**import** {FormControl, FormGroup} **from** "@angular/forms";  
  
@Component({  
 selector: 'app-comment',  
 templateUrl: './comment.component.html',  
 styleUrls: ['./comment.component.css']  
})  
**export class** CommentComponent **implements** OnInit {  
  
 **constructor**(**private** likeserve: LikeService) { }  
 // comment: [];  
 **public** comment:Array<**string**> =[];  
 commentForm : FormGroup;  
  
 ngOnInit() {  
  
 // this.commentForm = new FormGroup({  
 // username: new FormControl(localStorage.getItem('username')),  
 // modelname: new FormControl('CNN'),  
 // comment: new FormControl(this.comment)  
 // });  
  
 }  
  
 onclick(searchValue: HTMLInputElement) {  
 console.log(searchValue.value);  
 // this.comment= searchValue.value;  
 // console.log(this.commentForm.value);  
  
  
 **this**.commentForm = **new** FormGroup({  
 username: **new** FormControl(localStorage.getItem('username')),  
 modelname: **new** FormControl('CNN'),  
 comment: **new** FormControl(searchValue.value)  
 });  
  
 console.log(**this**.commentForm.value);  
  
 **this**.likeserve.addComment(**this**.commentForm).subscribe(res => {  
 console.log('response from backend'+ res);  
 console.log('response from backend'+ res.username);  
 // this.comment =res.modelname;  
 **this**.comment.push(res.username, res.comment);  
 console.log('comment value '+ **this**.comment);  
 });  
  
  
  
 }  
  
  
  
}

filter.component.html

<h4>Basic mat-select</h4>  
<mat-form-field>  
 <mat-label>Favorite food</mat-label>  
 <mat-select>  
 <mat-option *\*ngFor*="**let** food of foods" [value]="food.value" (click)="onsubmit(food.viewValue)" routerLink="/filter">  
 {{food.viewValue}}  
 </mat-option>  
 </mat-select>  
</mat-form-field>  
  
  
  
<mat-card class="example-card" *\*ngFor* ="**let** msg of message.posts">  
 <mat-card-header>  
 <h1>{{msg.classification}}</h1>  
 <div mat-card-avatar class="example-header-image" routerLink="repo/{{msg.classification}}"></div>  
 <mat-card-title>{{msg.username}}</mat-card-title>  
 <mat-card-subtitle>{{msg.classification}}</mat-card-subtitle>  
 </mat-card-header>  
 <img mat-card-image src="data:image/jpeg;base64," alt="Photo of a Shiba Inu">  
 <mat-card-content>  
 <p>  
 {{msg.classification}}  
 </p>  
 </mat-card-content>  
 <br>  
 <br>  
</mat-card>

Filter.component.ts

**import** { Component, OnInit } **from** '@angular/core';  
**import** {MatSelectModule} **from** '@angular/material/select';  
**import** { FilterByService } **from** "../filter-by.service";  
**import** {AuthService} **from** "../auth/auth.service";  
  
**export interface** Food {  
 value: **string**;  
 viewValue: **string**;  
}  
  
@Component({  
 selector: 'app-filter',  
 templateUrl: './filter.component.html',  
 styleUrls: ['./filter.component.css']  
})  
**export class** FilterComponent **implements** OnInit {  
  
 **constructor**(**private** filter: FilterByService, **public** auth: AuthService) { }  
 message:Array<**string**> =[];  
 // message: any;  
  
 foods: Food[] = [  
 {value: 'steak-0', viewValue: 'Deep learning'},  
 {value: 'pizza-1', viewValue: 'CNN'},  
 {value: 'tacos-2', viewValue: 'Model KB'}  
 ];  
 ngOnInit() {  
 **this**.auth.currentMessage.subscribe(message => {  
  
 console.log('Search Component ',message);  
 **this**.message = message;  
 // console.log('res' + this.message);  
 });  
 }  
  
 onsubmit(d){  
 // console.log(d);  
 **this**.filter.getInfoByCategory(d);  
 }  
  
}

search.component.html

<!--<div \*ngFor ="let msg of message">-->  
 <!--<h6> {{msg.\_id}}</h6>-->  
 <!--<h6> {{msg.model\_name}}</h6>-->  
<!--</div>-->  
<app-filter></app-filter>  
<br><br>  
<mat-card class="example-card" *\*ngFor* ="**let** msg of message">  
 <mat-card-header>  
 <div mat-card-avatar class="example-header-image" routerLink="repo/{{msg.model\_name}}"></div>  
 <mat-card-title>{{msg.\_id}}</mat-card-title>  
 <mat-card-subtitle>{{msg.model\_name}}</mat-card-subtitle>  
 </mat-card-header>  
 <img mat-card-image src="data:image/jpeg;base64," alt="Photo of a Shiba Inu">  
 <mat-card-content>  
 <p>  
 {{msg.model\_name}}  
 </p>  
 </mat-card-content>  
 <br>  
 <br>  
</mat-card>

Search.component.ts

**import** { Component, OnInit } **from** '@angular/core';  
**import** {AuthService} **from** "../auth/auth.service";  
  
  
  
@Component({  
 selector: 'app-search',  
 templateUrl: './search.component.html',  
 styleUrls: ['./search.component.css']  
})  
**export class** SearchComponent **implements** OnInit {  
  
  
 message:Array<**string**> =[];  
 **constructor**(**public** auth: AuthService) { }  
  
 ngOnInit() {  
 **this**.auth.currentMessage.subscribe(message => {  
  
 console.log('Search Component ',message);  
 **this**.message = message;  
 // console.log('res' + this.message);  
 // this.message = message  
 });  
 }  
  
}