

SERVICES

One Component to Another Component Communication

Example

prash
engineer
100000

Details

sathya
comedian
200000

Details

sathya

comedian

200000

ElementsConsole

150%

Reset

topFilter

► {name: 'sathya', job: 'comedian', salary: 200000}

users.component.ts:22

>

User Service File

user.service.ts

Complete_Course > angular-ekart > src > app > services > user.service.ts > ...

1import { EventEmitter, Injectable } from '@angular/core';

2

3@Injectable({

4 providedIn: 'root'

5})

6export class UserService {

7

8 users = [{ name: 'prash', job: 'engineer', salary: 100000 }, { name: 'sathya', job: 'comedian', salary: 200000 }]

9

10 constructor() { }

11

12 // now this property emits event SO,

13 // EventEmitter returns an Observable So Only when an property subscribe

14 // to this Observable it can get that data

15 showDetailsObs = new EventEmitter<{ name: string, job: string, salary: number }>

16

17 receiveResponse(userData: { name: string, job: string, salary: number }) {

18 this.showDetailsObs.emit(userData);

19 }

User Ts File

```
users.component.ts U X
Complete_Course > angular-ekart > src > app > SERVICES_EXAMPLE > users > users.component.ts > ...
1  import { Component, OnInit } from '@angular/core';
2  import { UserService } from 'src/app/services/user.service';
3
4  @Component({
5    selector: 'app-users',
6    templateUrl: './users.component.html',
7    styleUrls: ['./users.component.css']
8  })
9  export class UsersComponent implements OnInit {
10
11    dataReceived: { name: string, job: string, salary: number }[] = [];
12
13    constructor(private userService: UserService) { }
14
15
16    ngOnInit() {
17      this.dataReceived = this.userService.users;
18    }
19
20    sendResponse(user: { name: string, job: string, salary: number }) {
21      this.userService.receiveResponse(user);
22      console.log(user)
23    }
24  }
```

User Html file

```
users.component.html U X
Complete_Course > angular-ekart > src > app > SERVICES_EXAMPLE > users > users.component.html > div.container
Go to component
1  <div class="container" *ngFor="let user of dataReceived">
2    <div class="user-container">
3      <div>{{user.name}}</div>
4      <div>{{user.job}}</div>
5      <div>{{user.salary}}</div>
6
7      <!-- here we are sending the selected user as an object -->
8      <button (click)="sendResponse(user)">Details</button>
9    </div>
10 </div>
```

User Details Ts File

```
display-users.component.ts U X
Complete_Course > angular-ekart > src > app > SERVICES_EXAMPLE > display-users > display-users.component.ts > ...
1  import { Component } from '@angular/core';
2  import { UserService } from 'src/app/services/user.service';
3
4  @Component({
5    selector: 'app-display-users',
6    templateUrl: './display-users.component.html',
7    styleUrls: ['./display-users.component.css']
8  })
9  export class DisplayUsersComponent {
10
11    constructor(private userService: UserService) { }
12
13    user?: { name: string; job: string, salary: number };
14
15
16    ngOnInit(): void {
17      //I am Subscribing to that Observable
18
19      this.userService.showDetailsObs.subscribe((data: { name: string, job: string, salary: number }) => {
20        this.user = data
21      })
22    }
23  }
```

User Template

```
display-users.component.html U X
Complete_Course > angular-ekart > src > app > SERVICES_EXAMPLE > display-users > display-users.component.html > div.container
Go to component
1  <div class="container">
2
3    <div class="userDetail">
4
5      <p>{{user?.name}}</p>
6      <p>{{user?.job}}</p>
7      <p>{{user?.salary}}</p>
8    </div>
9  </div>
```