# Components interaction

**Case** :

We had a dashboard component in which code is written in a way that whenever a variable “Status” is true, it shows the logged-in UserName and when status is false, it shows Login and Sign up links.

This status variable is changed whenever the user is successfully logged in. But the logging action is performed in Login component (sibling component of dashboard component).

**Issue :**

So whenever User is successfully logged in, the status data has to be sent from Login component to Dashboard component according to which the User name or links are visible. This is sibling component interaction.

**Solution :**

We used Event Emitters as a solution for this sibling’s component interaction.

**Code Snippets :**

**Result.Service.ts:**

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| --- |
| import { Injectable } from '@angular/core';  import { EventEmitter } from "@angular/core";  @Injectable()  export class ResultService {  public status = new EventEmitter();  } |

**LoginComponent.ts:**

|  |
| --- |
| import { Component, OnInit } from '@angular/core';  import { ResultService } from '../shared/result.service';  @Component({  selector: 'app-login',  templateUrl: './login.component.html',  styleUrls: ['./login.component.css'],  })  export class LoginComponent implements OnInit {  constructor( private \_resultService : ResultService ){  }  Login(){  /\* |

services to check user is valid:

|  |
| --- |
| var Status= ‘true’ if user is logged in or ‘false’ when user is not logged in  \*/  this.\_resultService.status.emit(Status);  }  } |

**DashboardComponent.ts**

|  |
| --- |
| import { Component, OnInit } from '@angular/core';  import { ResultService } from '../shared/result.service';  @Component({  selector: 'app-dashboard',  templateUrl: './dashboard.component.html',  })  export class DashboardComponent implements OnInit {  constructor( private \_resultService : ResultService ) { }  status : boolean = false;  ngOnInit() {  this. \_resultService.status.subscribe((data)=>{  this.status=data;  });  } |

As the ‘status’ is an Event Emitter, whenever the status value is emitted from the LoginComponent, and the status is also subscribed in DashboardComponent and the data is assigned to ‘status’ variable of DashboardComponent, the value of the ‘status’ variable is changed. Hence, accordingly the User name or the Login and Sign up links are visible.