



todo.ts

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... **Todo.ts** U X

subject-in-angular > src > app > model > Todo.ts > TODO > constructor

```
1  export class TODO{  
2      title:String;  
3      description:String  
4      constructor(t:String,d:String){  
5          this.title=t;this.description=d  
6      }  
7 }
```

todo.service.ts



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TS todo.service.ts U X

```
subject-in-angular > src > app > service > TS todo.service.ts > TodoService
1 import { Injectable } from '@angular/core';
2 import { TODO } from '../model/Todo';
3 import { Subject } from 'rxjs';

4

5 @Injectable({
6   providedIn: 'root'
7 })
8 export class TodoService {
9   formSubject=new Subject<TODO>()
10
11 }
12
```



app.component.html

Run Terminal Help

```
... ⑤ app.component.html M X
⑥ subject-in-angular > src > app > ⑤ app.component.html > ⑦ div.container
    Go to component
1  <br>
2  <div class="container" style="margin: auto;text-align: center;">
3
4      <h1>Form</h1>
5      <app-new-todo-form></app-new-todo-form>
6
7      <hr>
8      <app-new-todo-data></app-new-todo-data>
9  </div>
```

app.component.ts

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```
... TS app.component.ts X
subject-in-angular > src > app > TS app.component.ts > ...
1 import { Component } from '@angular/core';
2
3 @Component({
4   selector: 'app-root',
5   templateUrl: './app.component.html',
6   styleUrls: ['./app.component.css']
7 })
8 export class AppComponent {
9   title = 'subject-in-angular';
10 }
11
```

new-todo-form. component.html



Terminal Help

new-todo-form.component.html U X

subject-in-angular > src > app > components > new-todo-form > new-todo-form.component.html > div

Go to component

```
1 <div style="width: 20%;margin: auto;">
2   <div class="mb-3">
3     <label for="exampleInputEmail1" class="form-label">title</label>
4     <input #title type="text" class="form-control">
5   </div>
6   <div class="mb-3">
7     <label for="exampleInputEmail1" class="form-label">Description</label>
8     <textarea #description type="text" class="form-control"></textarea>
9   </div>
10  <button class="btn btn-primary" (click)="onClick()">Submit</button>
11 </div>
```

new-todo-form.component.ts



Run Terminal Help

```
... TS new-todo-form.component.ts U X
subject-in-angular > src > app > components > new-todo-form > TS new-todo-form.component.ts > NewTodoFormComponent
  1 import { Component, ElementRef, ViewChild } from '@angular/core';
  2 import { TODO } from 'src/app/model/Todo';
  3 import { TodoService } from 'src/app/service/todo.service';
  4
  5 @Component({
  6   selector: 'app-new-todo-form',
  7   templateUrl: './new-todo-form.component.html',
  8   styleUrls: ['./new-todo-form.component.css']
  9 })
10 export class NewTodoFormComponent {
11
12   constructor(private subject: TodoService){}
13
14   @ViewChild('title') title ?: ElementRef;
15   @ViewChild('description') desc ?: ElementRef;
16
17
18   onClick(){
19
20     let t=this.title?.nativeElement.value
21     let d=this.desc?.nativeElement.value
22     console.log(this.title?.nativeElement.value);
23     console.log(this.desc?.nativeElement.value);
24     this.subject.formSubject.next(new TODO(t,d))
25   }
26
27
28 }
29
```

new-todo-data.component.html



Run Terminal Help

```
... new-todo-data.component.html U X
...   subject-in-angular > src > app > components > new-todo-data > new-todo-data.component.html > div.row > div.col-lg-3
      Go to component
      1 <div class="row">
      2   <div class="col-lg-3" *ngFor="let item of m" style="border: 1px solid grey;">
      3     <h1>{{item.title}}</h1>
      4     <p>{{item.description}}</p>
      5     &nbsp;
      6   </div>
      7 </div>
      8 </div>
```

new-todo-data.component.ts

Run Terminal Help

```
... TS new-todo-data.component.ts U X
○ ↴ subject-in-angular > src > app > components > new-todo-data > TS new-todo-data.component.ts > 🏷 NewTodoData
  1  import { Component } from '@angular/core';
  2  import { TODO } from 'src/app/model/Todo';
  3  import { TodoService } from 'src/app/service/todo.service';
  4
  5  @Component({
  6    selector: 'app-new-todo-data',
  7    templateUrl: './new-todo-data.component.html',
  8    styleUrls: ['./new-todo-data.component.css']
  9  })
10 export class NewTodoDataComponent {
11   m: TODO[] = []
12
13   constructor(private subject: TodoService) {
14     this.m.push(new TODO('Lunch', 'go to voyager and eat your meal'))
15     this.m.push(new TODO('Study', 'go to victor and do study'))
16   }
17
18   ngOnInit() {
19     this.subject.formSubject.subscribe(data=>{
20       this.m.push(data)
21       console.log(this.m);
22     })
23   }
24 }
25
26
27 }
```