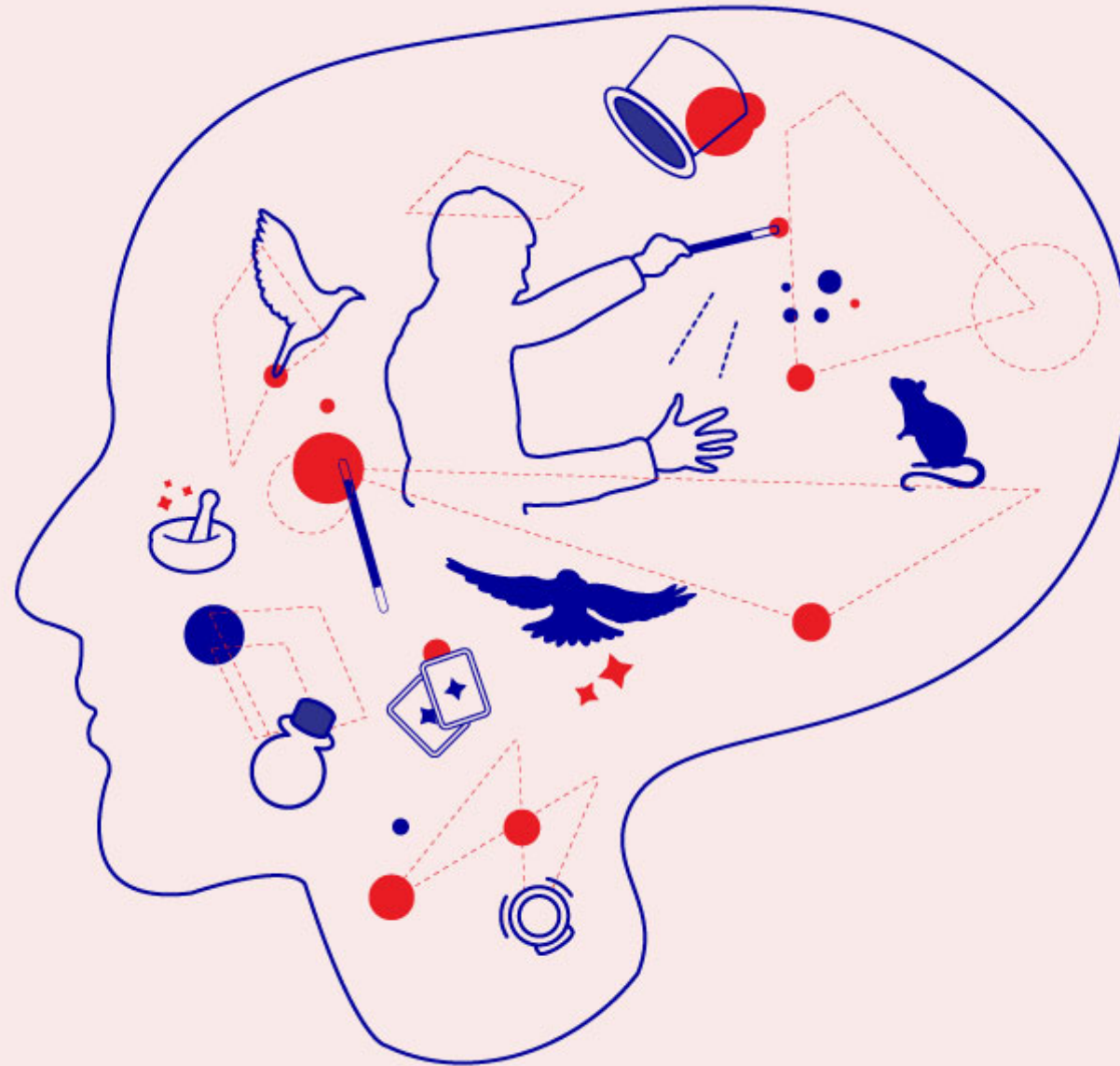


"สวัสดี"



**THE  
STANDARD**



ขอบคุณภาพจาก The Standard

# Welcome to testing-angular!

Username

Submit

Todo

Done

Not Found

# Welcome to testing-angular!

Username

Submit

User Not Found

Todo

Done

# Welcome to testing-angular!

Found

Bret

Submit

Leanne Graham

Todo

delectus aut autem
quis ut nam facilis et officia qui
fugiat veniam minus
laboriosam mollitia et enim quasi adipisci quia provident illum
qui ullam ratione quibusdam voluptatem quia omnis
illo expedita consequatur quia in
molestiae perspiciatis ipsa
et doloremque nulla
dolorum est consequatur ea mollitia in culpa

Done

et porro tempora
quo adipisci enim quam ut ab
illo est ratione doloremque quia maiores aut
vero rerum temporibus dolor
ipsa repellendus fugit nisi
repellendus sunt dolores architecto voluptatum
ab voluptatum amet voluptas
accusamus eos facilis sint et aut voluptatem
quo laboriosam deleniti aut qui

## ค้นหา tasks (todo done) ด้วย username

Give	When	Then
Go to main page	Input empty string and click submit button	display “User Not Found”
	Input “Bret” and click submit button	display “Leanne Graham” and task list (todo,doing)

# <http://jsonplaceholder.typicode.com/users>

```
1 [
2   {
3     "id": 1,
4     "name": "Leanne Graham",
5     "username": "Bret",
6     "email": "Sincere@april.biz",
7     "address": {
8       "street": "Kulas Light",
9       "suite": "Apt. 556",
10      "city": "Gwenborough",
11      "zipcode": "92998-3874",
12      "geo": {
13        "lat": "-37.3159",
14        "lng": "81.1496"
15      }
16    },
17    "phone": "1-770-736-8031 x56442",
18    "website": "hildegard.org",
19    "company": {
20      "name": "Romaguera-Crona",
21      "catchPhrase": "Multi-layered client-server neural-net",
22      "bs": "harness real-time e-markets"
23    }
24  },
25  {
26    "id": 2,
27    "name": "Ervin Howell",
28    "username": "Antonette",
29    "email": "Shanna@melissa.tv",
30    "address": {
31      "street": "Victor Plains",
32      "suite": "Suite 879",
33      "city": "Wisokvburah",
```

Ln: 1 Col: 1

array ▶ 0 ▶ address ▶

- array [10]
  - 0 {8}
    - name : Leanne Graham
    - id : 1
    - username : Bret
    - email : Sincere@april.biz
    - address {5}
    - phone : 1-770-736-8031 x56442
    - website : hildegard.org
    - company {3}
  - 1 {8}
  - 2 {8}
  - 3 {8}
  - 4 {8}
  - 5 {8}
  - 6 {8}
  - 7 {8}
  - 8 {8}
  - 9 {8}

# <http://jsonplaceholder.typicode.com/todos>

```
1 [
2   {
3     "userId": 1,
4     "id": 1,
5     "title": "delectus aut autem",
6     "completed": false
7   },
8   {
9     "userId": 1,
10    "id": 2,
11    "title": "quis ut nam facilis et officia qui",
12    "completed": false
13  },
14  {
15    "userId": 1,
16    "id": 3,
17    "title": "fugiat veniam minus",
18    "completed": false
19  },
20  {
21    "userId": 1,
22    "id": 4,
23    "title": "et porro tempora",
24    "completed": true
25  },
26  {
27    "userId": 1,
28    "id": 5,
29    "title": "laboriosam mollitia et enim quasi adipisci quia
30    provident illum",
31    "completed": false
32  },
33 ]
```

Ln: 4 Col: 13

array ▶ 0 ▶ address ▶

- array [200]
  - 0 {4}
    - id : 1
    - userId : 1
    - title : delectus aut autem
    - completed : ☐ false
  - ▶ 1 {4}
  - ▶ 2 {4}
  - ▶ 3 {4}
  - ▶ 4 {4}
  - ▶ 5 {4}
  - ▶ 6 {4}
  - ▶ 7 {4}
  - ▶ 8 {4}
  - ▶ 9 {4}
  - ▶ 10 {4}
  - ▶ 11 {4}
  - ▶ 12 {4}
  - ▶ 13 {4}
  - ▶ 14 {4}

# Tasks

- Build form
- Create service getUserByUsername
- Create service getTasksByUserId
- Create service filterTasksByStatus
- Create func onSubmit

All files

95.35% Statements 41/43    100% Branches 2/2    93.75% Functions 15/16    94.87% Lines 37/39

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

File ▲		Statements ⇅		Branches ⇅		Functions ⇅		Lines ⇅	
src	<div></div>	100%	3/3	100%	0/0	100%	0/0	100%	3/3
src/app	<div></div>	93.33%	28/30	100%	2/2	91.67%	11/12	92.59%	25/27
src/app/board-todos	<div></div>	100%	4/4	100%	0/0	100%	2/2	100%	3/3
src/app/model	<div></div>	100%	6/6	100%	0/0	100%	2/2	100%	6/6

All files src/app

93.33% Statements 28/30    100% Branches 2/2    91.67% Functions 11/12    92.59% Lines 25/27

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

File ▲		Statements ⇅		Branches ⇅		Functions ⇅		Lines ⇅	
app.component.ts	<div></div>	100%	21/21	100%	2/2	100%	7/7	100%	20/20
app.service.ts	<div></div>	77.78%	7/9	100%	0/0	80%	4/5	71.43%	5/7



```

37 onSubmit() {
38   3x   this.name = '';
39   3x   this.todoList = [];
40   3x   this.doneList = [];
41   3x   const request: FormSearch = this.form.getRawValue();
42   3x   this.service.getUserByUsername(request.username)
43       .pipe(
44       mergeMap((resp: HttpResponse<User[]>) => {
45   2x       if (resp.body.length === 1) {
46   1x           const user = resp.body[0];
47   1x           this.name = user.name;
48   1x           return this.service.getTasksById(user.id);
49       }
50   1x       this.name = 'User Not Found';
51   1x       return of();
52   })
53   ).subscribe(
54       (resp: HttpResponse<Task[]>) => {
55   1x           const taskList = resp.body;
56   1x           this.todoList = this.service.filterTaskByStatus(taskList, false);
57   1x           this.doneList = this.service.filterTaskByStatus(taskList, true);
58       },
59       (error: HttpResponse) => {
60   1x           alert(error.statusText);
61       },
62       () => { }
63   );
64 }
65
66 }
67

```

## All files / src/app app.service.ts

77.78% Statements 7/9 100% Branches 0/0 80% Functions 4/5 71.43% Lines 5/7

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

```
1 import { Injectable } from '@angular/core';
2 import { HttpClient, HttpParams, HttpResponse } from '@angular/common/http';
3 import { Observable } from 'rxjs';
4 import { Task } from '../model/taks';
5 import { User } from '../model/user';
6
7 @Injectable({
8   providedIn: 'root'
9 })
10 export class AppService {
11
12   constructor(private httpClient: HttpClient) { }
13
14   getTasksByUserId(userId: number): Observable<HttpResponse<Task[]>> {
15     const params = new HttpParams().set('userId', String(userId));
16     return this.httpClient.get<Task[]>('http://jsonplaceholder.typicode.com/todos', { params, observe: 'response' });
17   }
18
19   getUserByUsername(username: string): Observable<HttpResponse<User[]>> {
20     const params = new HttpParams().set('username', username);
21     return this.httpClient.get<User[]>('http://jsonplaceholder.typicode.com/users', { params, observe: 'response' });
22   }
23
24   filterTaskByStatus(taskList: Task[], completed: boolean): Task[] {
25     return taskList.filter((task: Task) => task.completed === completed);
26   }
27 }
28
```



# Reference

- <https://cli.angular.io/>
- <http://jsonplaceholder.typicode.com/>
- <https://jasmine.github.io/>
- <http://karma-runner.github.io/latest/index.html>
- <https://github.com/mattlewis92/karma-coverage-istanbul-reporter#readme>
- <https://thestandard.co/opinion-tomorrow-science-of-superstitious-habits/>



# Angular Meetup January 2020

Tuesday 21 January 2020 6.00 - 9.00

AIS D.C. @ The Emporium, 5th Floor

Hosted by



**Voravit Srikuruwal  
(Wicky)**

FlowAccount

Build Full-Stack  
Applications with  
Mono-repo and  
Serverless



**Tanawat Tassana**

Hotnow

What is Elm and  
why it matters?



**Satheanpong  
Jeungudomporn**

Seen Digital

UX x Front-end  
(ionic angular)



**Kawee  
Lertrungmongkol**

ODDS

มาเขียน unit test  
กันเถอะ



**Somkiat  
Puisungnoen**

Siam Chamnankit

มือใหม่หัดทำ  
angular app เร็วขึ้น