

How to pass async variable in template (action) function?

Asked 2 years, 10 months ago Active 8 months ago Viewed 5k times



I need to pass async variable to the function. Something like this:

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```
<div class="team" (click)="addToFavorite((match | async)?.id)">
```



And of course I have an error.



Parser Error: Cannot have a pipe in an action expression.

Maybe there is a way to transform async variable in JavaScript?

asynchronous



angular

ionic2

edited Jan 10 at 8:58



Frederik Struck-Schøning

10.2k 7 49 56

asked Oct 28 '16 at 7:25



Alexandr Zavalii

1,080 1 9 26

Would be kind if you'd let us know what the error is. – [Günter Zöchbauer](#) Oct 28 '16 at 7:26

Worth a try `(click)="match.then(val => addToFavorite(val?.id))"` – [Günter Zöchbauer](#) Oct 28 '16 at 7:27

@GünterZöchbauer ``` Parser Error: Cannot have a pipe in an action expression. ``` – [Alexandr Zavalii](#) Oct 28 '16 at 7:31

@GünterZöchbauer Thanks for quick reply! It didnt work. polyfills.js:3 Unhandled Promise rejection: Template parse errors: Parser Error: Unexpected token > – [Alexandr Zavalii](#) Oct 28 '16 at 7:35

Then you probable need to define a helper method – [Günter Zöchbauer](#) Oct 28 '16 at 7:36

5 Answers

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▲ Another option for simple variables and without any observables is writing value of the variable into hidden input:

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```
<div *ngIf="(match | async)?.id">
  <input #myControl [value]="(match | async).id" type="hidden" />
  <div class="team" (click)="addToFavorite(myControl.value)">
</div>
```

edited Jan 10 at 8:57

**Frederik Struck-Schøning**

10.2k 7 49 56

answered Aug 5 '17 at 23:21

**Mergasov**

629 8 22

Very good workaround! However, I could only get this working, without the *ngIf wrapper around the input and button. – [Csaba](#) Oct 22 '17 at 9:58

Awesome! Could be the solution – [Alexandr Zavali](#) Apr 24 '18 at 8:20

▲ Here is how I solved it :

3

```
<div *ngIf="(match | async) as match" class="team" (click)="addToFavorite(match.id)">
```

▼ It's short, simple and it works.

edited Jan 10 at 8:57

**Frederik Struck-Schøning**

10.2k 7 49 56

answered Nov 13 '18 at 20:30

**Benoît Plâtre**

31 1

I like this answer as it all template-driven – [Jonathan Corrin](#) Mar 14 at 21:43

▲ You can't do it in template.

↪

But you can:

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and in your `.component.ts` :

```
public addToFavorite() {  
  this  
    .match // should retain last value (e.g. use BehaviorSubject)  
    .first() // completes after passing one value only  
    .subscribe(  
      (matchValue) => {  
        // your logic here  
      });  
}
```

Note: We are subscribing (and immediately unsubscribing), similarly `async` pipe subscribes to `Observable` .

edited Jan 10 at 8:57



Frederik Struck-
Schøning

10.2k 7 49 56

answered Aug 11 '17 at 15:15



m4js7er

81 1 3

Thanks for your answer! – [Alexandr Zavali](#) Apr 25 '18 at 12:46

What about:

1

```
<div class="team" (click)="addToFavorite(match)">
```

and then in your code:

```
addToFavorite(obs: Observable<any>) {  
  obs.take(1).subscribe(value => {  
    addToFavoriteById(value.id);  
  });  
}
```

edited Jan 10 at 8:58

answered Oct 28 '16 at 7:37

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I have console error `inline template:12:38 caused by: obs.take is not a function` – [Alexandr Zavali](#) Oct 28 '16 at 7:48

1 You need to import operators like `.take()` – [Günter Zöchbauer](#) Oct 28 '16 at 7:54

@GünterZöchbauer okay I did and it worked! Thanks! – [Alexandr Zavali](#) Oct 28 '16 at 8:06

Seems you need to use a helper method:

0

```
<div class="team" (click)="onClick(match)">
```

```
class MyComponent {  
  onClick(event) {  
    event.then(val => this.addToFavorite(val?.id));  
  }  
  addToFavorite(val) {  
  }  
}
```

edited Jan 10 at 8:58



[Frederik Struck-Schøning](#)

10.2k 7 49 56

answered Oct 28 '16 at 7:37



[Günter Zöchbauer](#)

367k 83 1169 1059

I cannot use this `val?.id` so I just pass value and I still get observable in the `addToFavorite()` not a value itself – [Alexandr Zavali](#) Oct 28 '16 at 7:53

Why can't you use `val?.id` ? – [Günter Zöchbauer](#) Oct 28 '16 at 7:54

As far as I can tell, the `?.` operator is only available inside angular 2 templates, and not inside Typescript component code. This feature hasn't been implemented yet for Typescript, but It seems to be in the works: github.com/Microsoft/TypeScript/issues/16 – [Devon Sams](#) Apr 20 '17 at 17:02

@DevonSams thanks. I'm so used to it from Dart, I missed that it's not yet in TS. You are right, currently it is only available in template bindings. – [Günter Zöchbauer](#) Apr 20 '17 at 17:03

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