

Using TypeScript Decorators with Angular

Decorators





Declarative v Imperative

Examples

```
import { readonly } from 'core-decorators';
```

```
class Meal {  
  @readonly  
  entree = 'steak';  
}
```

```
var dinner = new Meal();  
dinner.entree = 'salmon';
```

```
// Cannot assign to read only property 'entree'  
of [object Object]
```



```
import { deprecate } from 'core-decorators';
```

```
class Person {  
  @deprecate  
  facepalm() {}  
}
```

```
let person = new Person();  
person.facepalm();
```

```
// DEPRECATION Person#facepalm: This function will be  
removed in future versions.
```

```
import { debounce } from 'core-decorators';
```

```
class Editor {
```

```
  content = '';
```

```
  @debounce(500)
```

```
  updateContent(content) {
```

```
    this.content = content;
```

```
  }
```

```
}
```

Decorator Libraries

GitHub - jayphelps/core-dec

GitHub, Inc. [US] https://github.com/jayphelps/core-decorators.js

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jayphelps / core-decorators.js

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Library of JavaScript decorators (aka ES2016/ES7 decorators but not accurate) inspired by languages that come with built-ins like @override, @deprecate, @autobind, @mixin and more. Popular with React/Angular, but is framework agnostic.

199 commits

20 branches

9 releases

13 contributors

Branch: master

New pull request

New fileFind file

HTTPShttps://github.com/jayphe

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jayphelps

comment had double "calling" word

Latest commit 73665d1 2 days ago

scripts	adds global builds for bower publishing, fixes #43	2 months ago
src	comment had double "calling" word	2 days ago
test	catch another prototype.key case for autobind, fixes #69	2 days ago
.editorconfig	Add .editorconfig	a year ago
.gitignore	adds global builds for bower publishing, fixes #43	2 months ago
.travis.yml	Add a .travis.yml configuration file to automatically run tests	11 months ago
LICENSE	Update license year to 2016	3 months ago
README.md	Fix readme section links, closes #60	12 days ago
bower.json	bump to 0.11.2	25 days ago
package.json	bump v0.12.2	2 days ago

Who's Using Decorators?



Angular 2



3 Demos

Demo #1

@log decorator (for method)

Demo #2

Angular 2 + decorators

Demo #3

AngularJS 1 + decorators

Demos

Thanks!

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<https://github.com/smashdevcode/utah-code-camp-2016>