Advanced Angular

If you don't have a FP group, let us know ASAP

Angular: Objects and Services



Specialized Objects

Specialized objects conform to a specific Angular framework API.

These objects are one of Controllers, Directives, Filters or Animations.

The injector needs to know how to create these objects. You tell it by registering a "recipe" for creating your object with the injector.

Services

Services are objects whose API is defined by the developer writing the service.

The most verbose, but also the most comprehensive one is a **Provider** recipe. The remaining four recipe types — **Value, Factory, Service and Constant** — are just syntactic sugar on top of a provider recipe.

Services

Use services to organize and share code across your app. Think of services as constructors that we run "new" on.

```
app.service('myService', function() {
    // service is just a constructor function
    // that will be called with 'new'

    this.sayHello = function(name) {
        return "Hi " + name + "!";
        };
    });
```

Factories

Very similar to services. Provides shared code across app. Think of factories as functions we run and return from.

```
app.factory('myFactory', function() {

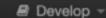
    // factory returns an object
    // you can run some code before

    return {
        sayHello : function(name) {
            return "Hi " + name + "!";
        }
     }
});
```

Custom Directives and Filters













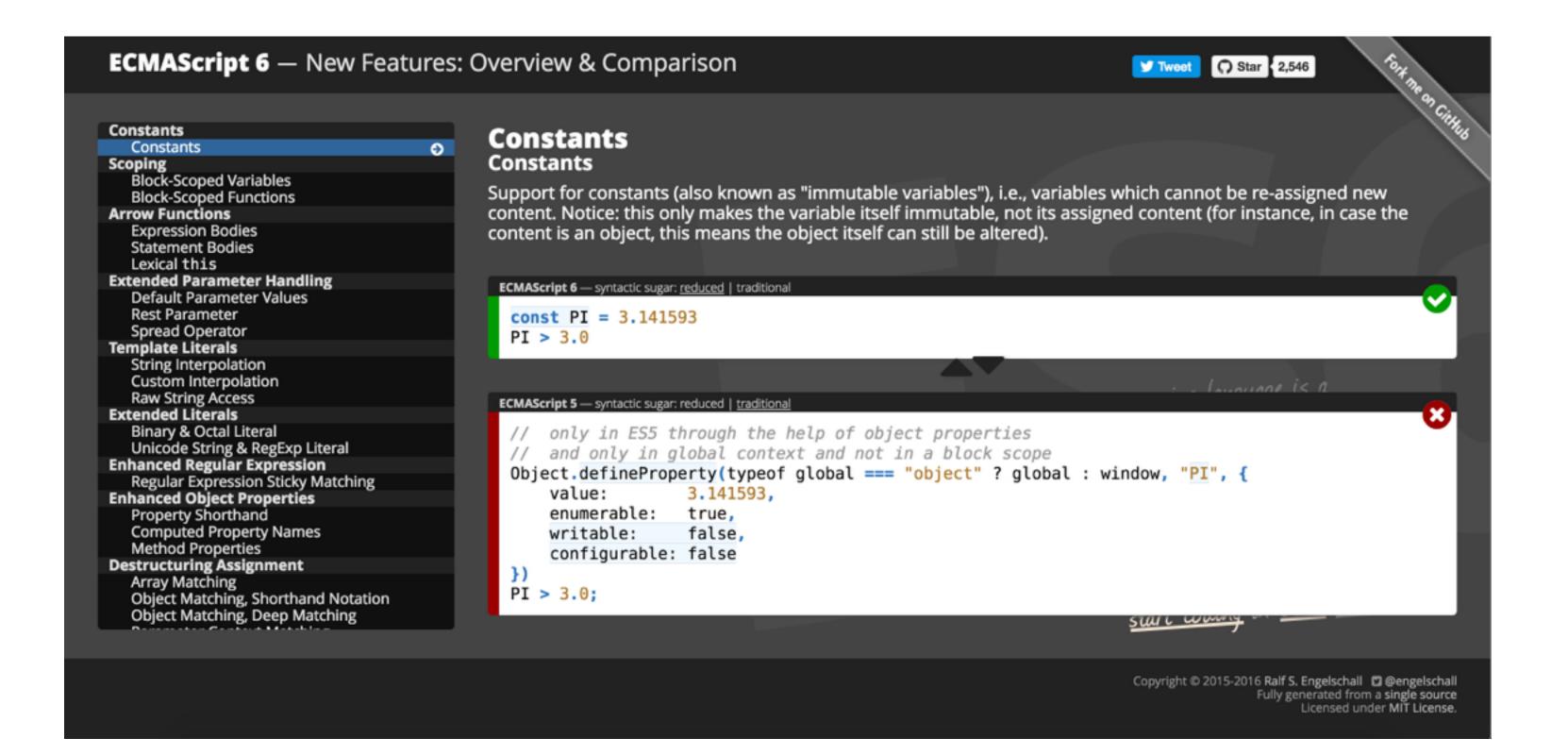
HTML enhanced for web apps!



https://angularjs.org/

A little detour through JS and framework land...

ECMAScript 6 A bright new future is coming...







Helping you **select** an MV* framework

http://todomvc.com/

MP4 is coming...

QUESTIONS?

NEXT CLASS: Node, Express

courses.engr.illinois.edu/cs498rk1/