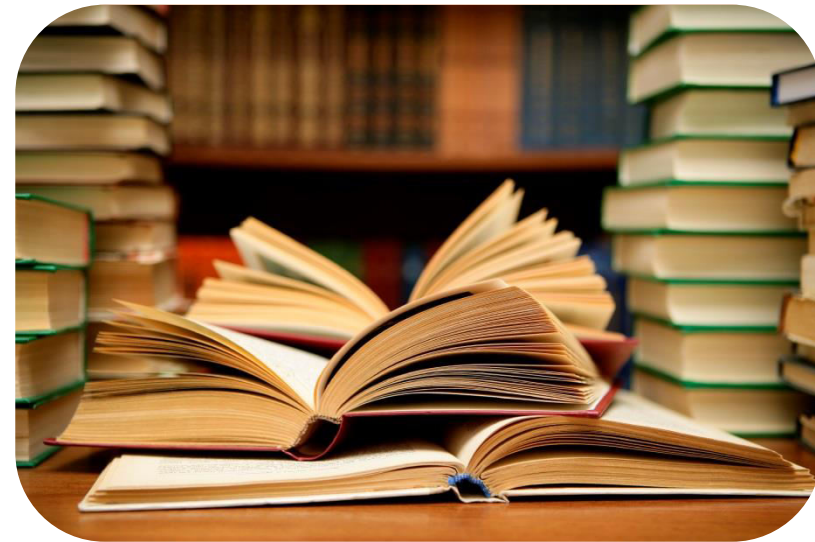


Services in AngularJS

Table of Contents

- What is a service
- Why using services
- Custom services
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What Is a Service



What Is a Service

- In Angular service is
 - A worker object
 - Easier use of different aspects of the app
 - Over-the-Wire or not
 - Often stateless



Why Using Services



Why Using Services

- Services are:
 - Reusable
 - "SOLID"
 - Dependency Injection
 - Testable



Custom Services



Custom Services

- Three types
 - Factory – the returned value
 - Service – returns instance of the function
 - Provider – can be configured

```
module.service('serviceName', function (args) {  
    // implement service  
});
```

```
module.provider('providerName', function (args) {  
    // implement service  
});
```


Custom Services

```
module.factory('serviceName', function (services){  
    // implement service  
});
```

- Inject it in a controller

```
myApp.controller('Ctrl',  
    function Ctrl($scope, serviceName) {  
        // use service  
    }  
);
```

Built-in Services



Built-in Services

- Built-in Services

\$http – AJAX request

\$resource – AJAX with restfull services

\$q – Promise library

\$anchorScroll – Scrolls to element

\$cacheFactory – cache service (key-value pair)

\$compile – compiles element with directives

\$parse – parses expressions

\$locale – localization of dates, numbers

\$timeout – timeout with compiling

\$exceptionHandler – handling exceptions

\$filter – access to filter functions

\$cookieStore – cookie sessions usage

Built-in Services

- Other Built-in Services

\$interpolate – modifies the {{ template
\$log – logs into the console
\$rootScope – the "base" scope (avoid using it)
\$window – the window
\$document – the document DOM element
\$rootElement – the root of the app
\$route – for routes
\$routeParams – retrieve route parameters
\$location – parses the URL
\$httpBackend – fake HTTP (for testing)
\$controller – instantiates controllers

Summary

- Angular services
- Custom services
- Built-in services

Services in AngularJS

Questions?