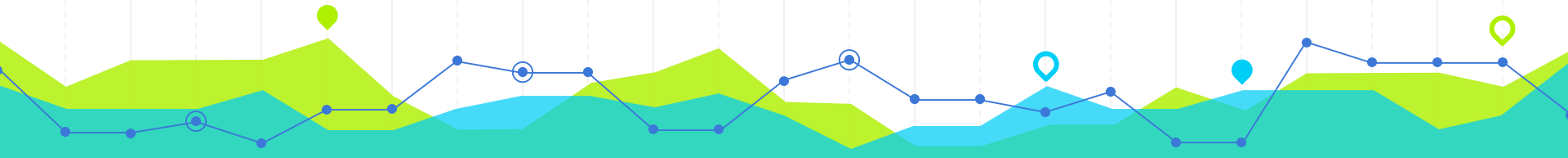# Angular Service

Angular Service
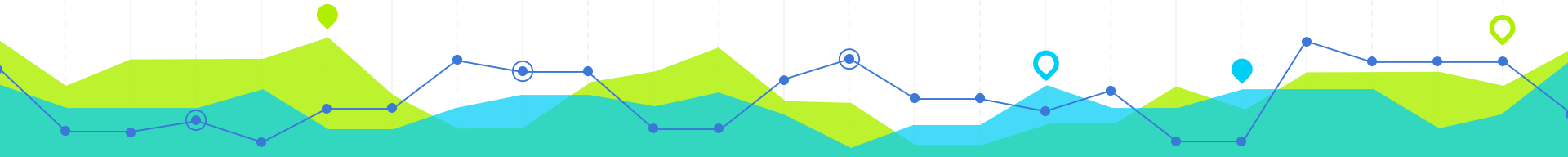
Singleton

Angular Service

- service()
- factory()
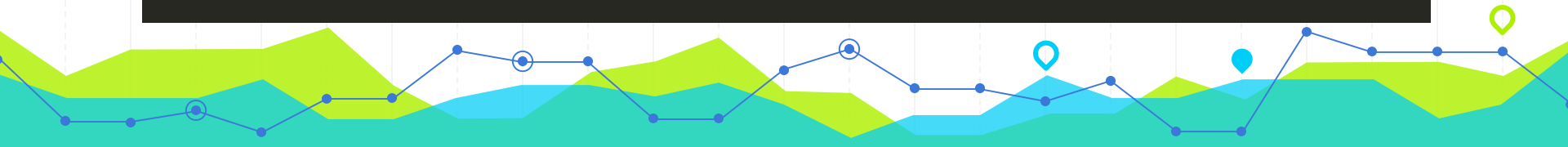- provider()

Angular Service

○ service()

```
angular.service('someService', constructor)
```

Angular Service

○ service()

```
app.service('helloWorldService', function () {
    this.sayHello = function () {
        return "Hello, World From service()";
    };
    this.sendHello = function () {
        return "Hello, World From sendHello service()";
    };
});
```

Angular Service

○ service()
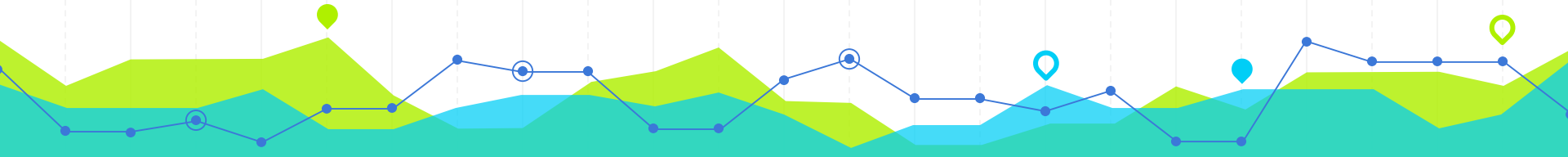
```
app.controller('myCtrl', function($scope,helloWorldService) {
    $scope.hello = function () {
        $scope.say = helloWorldService.sayHello();
    }
});
```

Angular Service

○ factory()

```
angular.factory('someFactory', function)
```

Angular Service

- factory()

```javascript
app.factory('helloWorldFactory', function () {
    return {
        sayHello: function () {
            return "Hello, World From factory()";
        }
    };
});
```
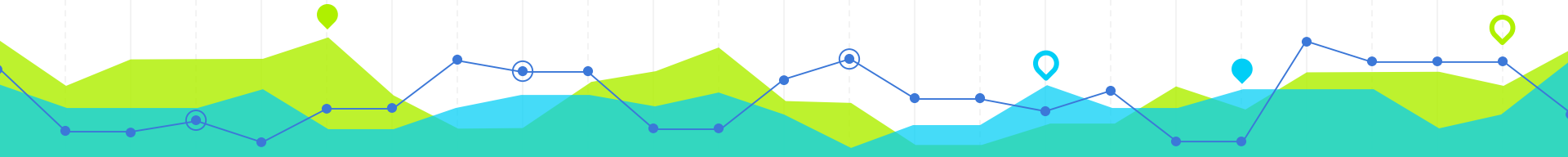
Angular Service

○ factory()

```
app.controller('myCtrl', function($scope,helloWorldFactory) {
    $scope.hello = function () {
        $scope.say = helloWorldFactory.sayHello();
    };
});
```

Angular Service

○ provider()

```
angular.provider('someProvider', provider)
```

Angular Service

○ provider()

```javascript
app.provider('helloWorld', function () {

    this.name = "";
    this.$get = function () {
        var name = this.name;
        return {
            sayHello: function () {
                return "Hello, " + name + " From provider()";
            }
        };
    };
    this.setName = function (name) {
        this.name = name;
    };
});
```

Angular Service

○ provider()

```
app.config(function (helloWorldProvider) {
    helloWorldProvider.setName("World");
});
```
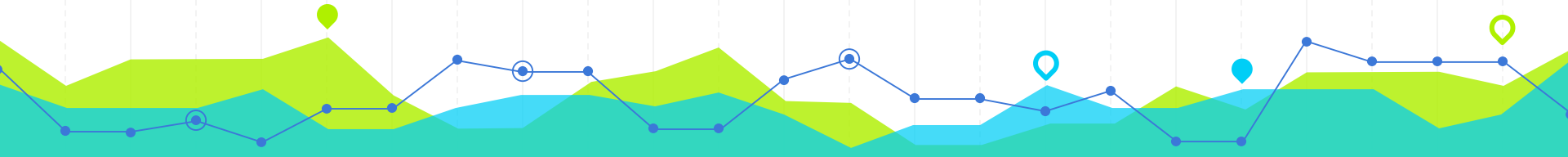
Angular Service

○ provider()

```
app.controller('myCtrl', function($scope,helloWorld) {
    $scope.hello = function () {
        $scope.say = helloWorld.sayHello();
    };
});
```

library

- ngStorage

library

○ ngStorage

Require ngStorage and Inject the Services

```
angular.module('app', [
    'ngStorage'
]).controller('Ctrl', function(
    $scope,
    $localStorage,
    $sessionStorage
){});
```
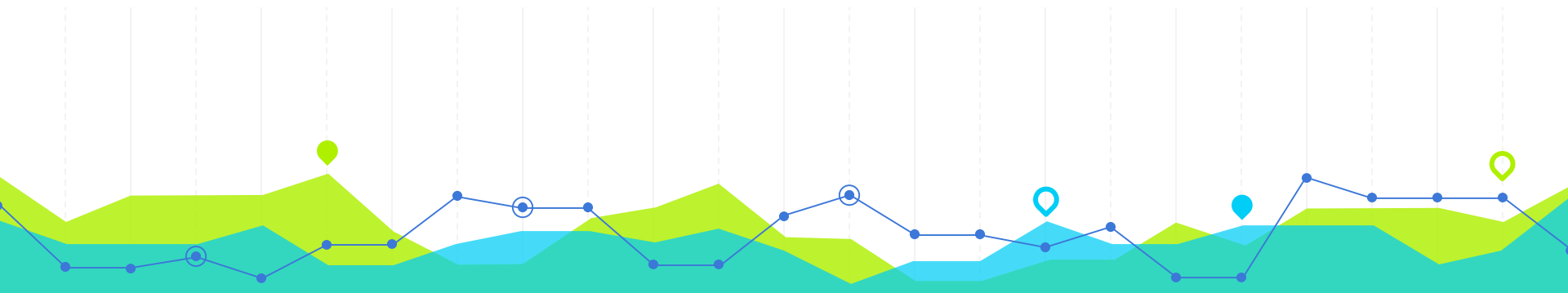
library

- ○ **ngStorage**

Read and Write | Demo

Pass `$localStorage` (or `$sessionStorage`) by reference to a hook under `$scope` in plain ol' JavaScript:

```
$scope.$storage = $localStorage;
```
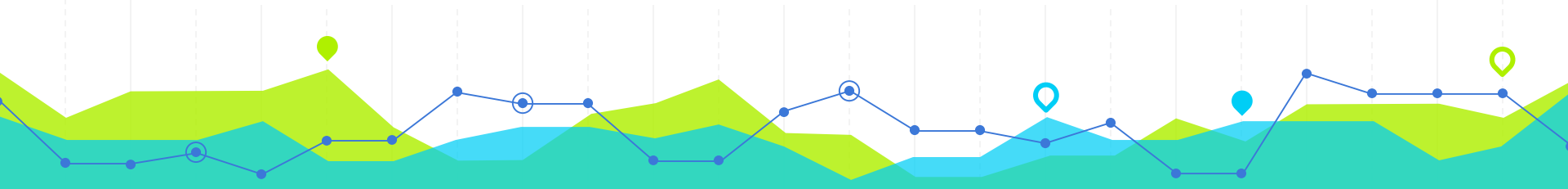
library

○ ngStorage

Delete | Demo

Plain ol' JavaScript again, what else could you better expect?

```javascript
// Both will do
delete $scope.$storage.counter;
delete $localStorage.counter;
```
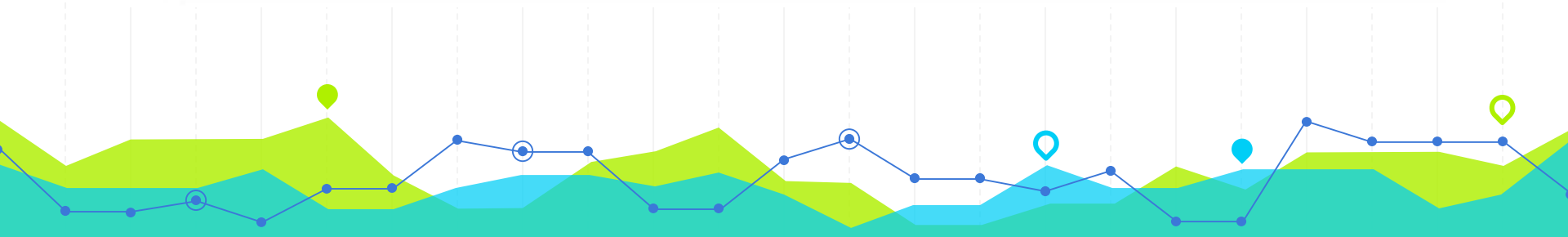
library

- ○ **ngStorage**

Delete Everything | Demo

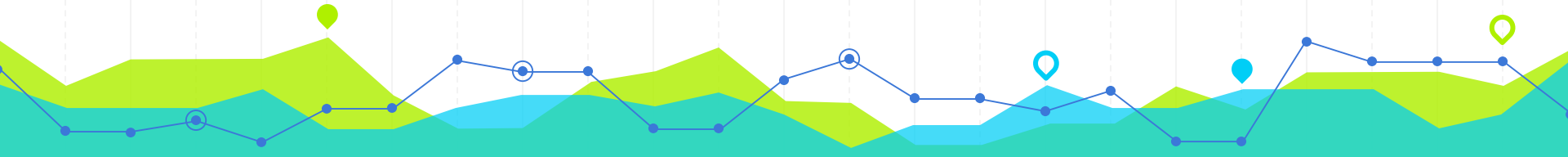If you wish to clear the Storage in one go, use the `$reset()` method:

```
$localStorage.$reset();
```
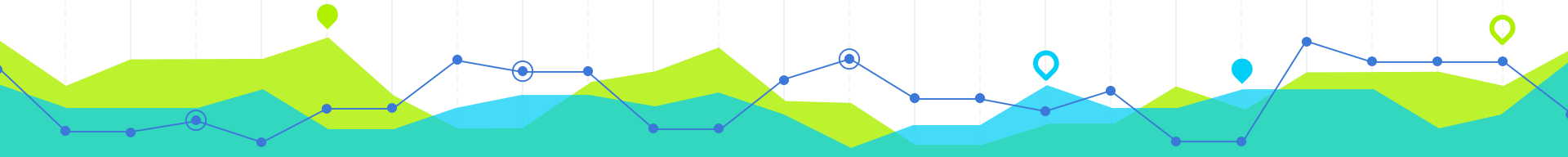
library

○ **ngStorage**

Ref : https://github.com/gsklee/ngStorage

library

○ **Angular-jwt**

Ref : https://github.com/auth0/angular-jwt

library

○ Angular-jwt

Decoding the Token

```
angular
  .module('app', ['angular-jwt'])
  .controller('Controller', function Controller(jwtHelper) {
    var expToken = 'eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL3NhbXBsZXMuYXV0aC0uY29tLyIsInN1YiI6ImZ

    var tokenPayload = jwtHelper.decodeToken(expToken);
  });
```

library

○ Angular-jwt

Getting the Token Expiration Date

```
angular
  .module('app', ['angular-jwt'])
  .controller('Controller', function Controller(jwtHelper) {
    var date = jwtHelper.getTokenExpirationDate(expToken);
  });
```

library

○ Angular-jwt

Checking if the Token is Expired

```angular
angular
  .module('app', ['angular-jwt'])
  .controller('Controller', function Controller(jwtHelper) {
    var bool = jwtHelper.isTokenExpired(expToken);
  });
```
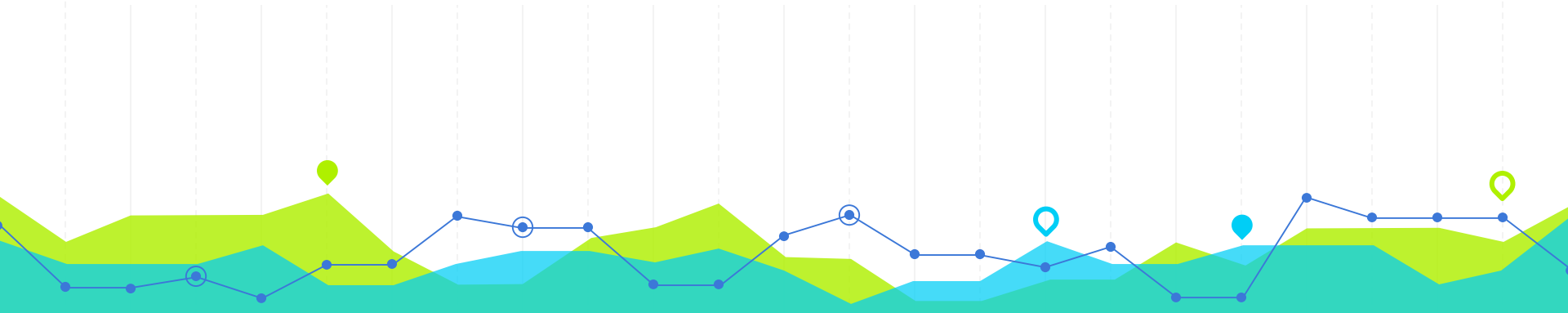
library

○   **Angular-jwt**

Ref : https://github.com/auth0/angular-jwt

library

○ ocLazyLoad

JavaScript

```javascript
$ocLazyLoad.load(['testModule.js', 'testModuleCtrl.js', 'testModuleService.js']);
```
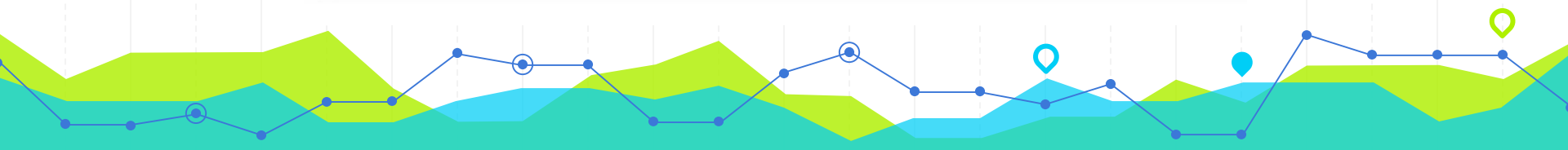
library

○ ocLazyLoad

JavaScript

```javascript
$ocLazyLoad.load([
    'testModule.js',
    {type: 'css', path: 'testModuleCtrl'},
    {type: 'html', path: 'testModuleCtrl.html'},
    {type: 'js', path: 'testModuleCtrl'},
    'js!testModuleService',
    'less!testModuleLessFile'
]);
```

library

○ **ocLazyLoad**

Ref : https://oclazyload.readme.io/docs

library

○ **angular-loading-bar**

Ref : https://github.com/chieffancypants/angular-loading-bar

library

○ **Ng-table**

Ref : https://github.com/esvit/ng-table

Example : http://ng-table.com/#/

library

- angularFileUpload

Ref : https://github.com/nervgh/angular-file-upload

Example : http://nervgh.github.io/pages/angular-file-upload/examples/simple/
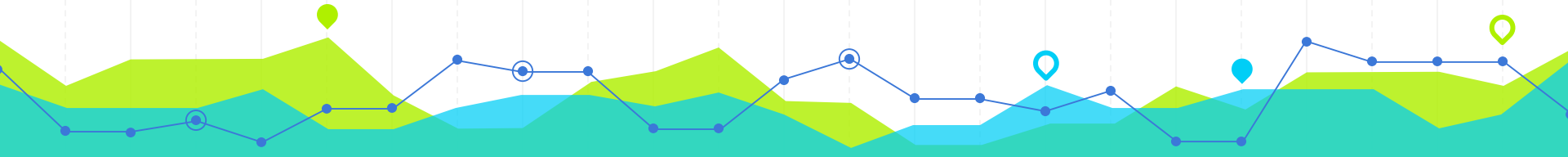
library

○ **Angular chart**

Ref : http://jtblin.github.io/angular-chart.js/