# **Controller**

Controllers add Business logic of your app, they should only control the logic for any one view, so if you have another view create a new controller to keep the logic separate. Controllers can be used in directives, or in any html elements. Controllers also allow access to $scope and provide access to variables and functions to be executed in real-time in the browser. This is how we give html and our web pages dynamic elements.

More info @ <https://docs.angularjs.org/guide/controller>

Inside html we use the angular braces to open and close when we are trying to do some angular work

“ **{{** “ & then “ **}}** “

**How to create a simple Controller**

Start of by creating an angular app if you haven’t already:

**var app = angular.module("app", [**

**]);**

Then create a controller, give it a name and pass in any variables in which you would like to use, for example $scope in this instance. We can pass in services and factories also; this will be shown later.

**app.controller("controllerName", function($scope) {**

**$scope.someVariable = ‘Hello world!’;**

**$scope.someFunction = function(){**

**return ‘hello world from a function’;**

**}**

**});**

And inside the HTML

**<html ng-app="app">**

**<body ng-controller="controllerName">**

**<p>Displaying text from controller {{ someVariable }}</p>**

**<p>Displaying text from controller {{ someFunction() }}</p>**

**</body>**

**</html>**

**Using a service or factory in a controller**

Simply add the service name or factory name into the input of the controller function. Then call the functions of the service as you would any regular object.

More info @ <http://fdietz.github.io/recipes-with-angular-js/controllers/sharing-code-between-controllers-using-services.html>

**app.controller("controllerName", function($scope, serviceName, factoryName) {**

**$scope.getSelectedTab = function(){**

**return serviceName.getTabSelected();**

**}**

**$scope.getSelectedTab = function(){**

**return factoryName.doSomething();**

**}**

**});**