**Workshop Day 4 – AngularJS**

Please get the from FrontendCoding, Day 4 project from github. Run the necessary commands for node packages and bower dependencies.

**Part I. Angular Js Directives**

1. Open app.js file and create the following route:

. when('/colors', {

templateUrl: views /colors.html',

controller: 'ColorsController'

})

(You may need angular module first)

1. Create ColorsController.js in controllers and create the following array of objects (copy-paste):

$scope.colors = [  
 {  
 "text" : "muted",  
 "class": "text-muted"  
 },  
 {  
 "text" : "primary",  
 "class": "text-primary"  
 },  
 {  
 "text" : "success",  
 "class": "text-success"  
 },  
 {  
 "text" : "info",  
 "class": "text-info"  
 },  
 {  
 "text" : "warning",  
 "class": "text-warning"  
 },  
 {  
 "text" : "danger",  
 "class": "text-danger"  
 }  
];

1. Create colors.html and create a select element in order to list all the “text” property of each element in the array above. Use ng-options with track by text. (Do you need html tag?)
2. In ColorsController.js create a changeColor() function. This function should save, in a scope variable, the selected color class.
3. For the select element created use ng-change directive that will trigger the execution of changeColor() function.
4. In colors.html create a span element with some text “Some text” and use ng-class to change the css class of the span with the value of the “class” property of the selected object. Use the scope variable created at point 4 . Check that the font color changes for the text in the span.

**Part II. Forms**

1. Add the following route to app.js file :

.when('/forms', {

templateUrl: views /form.html',

controller: 'FormsController'

})

Create required files.

1. Create form.html and create an ng-form element. For the created form list all the available properties listed in the presentation (must be 6 in number). (Just for fun)
2. In form.html create an input element and make it required.
3. In form.html create a new span element with the text “Required!”. This element should be visible if the form input element has no value.
4. Show a message when the form is submitted with valid data. You should create a button.

**Part III. Filters**

1. Open colors.html and create one input elements.
2. Using ng-repeat list the “text” property values of all the elements in colors array from Colors.js.
3. Use the value of the input element to filter the list