**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",

“type” : “strong”  
 },  
 {  
 "text" : "primary",  
 "class": "text-primary",

“type” : “strong”  
 },  
 {  
 "text" : "success",  
 "class": "text-success",

“type” : “strong”  
 },  
 {  
 "text" : "info",  
 "class": "text-info",

“type” : “boring”  
 },  
 {  
 "text" : "warning",  
 "class": "text-warning",

“type” : “boring”  
 },  
 {  
 "text" : "danger",  
 "class": "text-danger",

“type” : “boring”  
 }  
];

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. Create a select element in order to list all the “text” property of each element in the array above.Group by type.
3. In ColorsController.js create a changeColor() function. This function should save, in a scope variable, the selected color class.
4. For the select element created use ng-change directive that will trigger the execution of changeColor() function.
5. 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 5 . 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. (daca nu s-a introdus niciun character, campul sa fie ascuns)
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 two 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 first input element to filter the list and the second one to order the list.