Title: Angular directive to set selectbox option title text

Summary: *This article indeed to explain ngOptions, and custom directive to set title text*

Declare JSON object at controller to bind, them as options using ngOptions directive.

*Note: ngModel decoration is mandatory for ngOptions otherwise you will end up with empty options. Use trackby to bind option value otherwise angular will include empty option by default and it will re-generate options index, that choosing option at first time, it can impact your expected functionality.*

Let us create JSON object with **name** and **desc** properties:

//declarative JSON object to be defined at controller

{

name: 'Knockout',

desc: 'Declarative binding, Automatic UI Refresh, Dependency Tracking and Templating'

},

{

name: 'Angular',

desc: 'AngularJS is a toolset for building the framework most suited to your application development.'

},

{

name: 'React',

desc: 'Declarative, component-Based and learn once, write anywhere'

}

Working sample attached below, or you can download

<!doctype html>

<html>

<head>

<title>AngularJS - directive to set selectbox option title text</title>

<script src="angular.min.js"></script>

</head>

<body ng-app="app">

<div ng-controller="sampleController">

<label>Click on selectbox and mouse hove on option to show title text</label>

<select ng-model="selectedOption" ng-options="option.name for option in selectboxOptions track by option.name" set-selectbox-option-title-text="{{selectboxOptions}}"></select>

</div>

<script>

var app = angular.module('app', []);

app.controller('sampleController', ['$scope', '$rootScope', function ($scope, $rootScope) {

$scope.selectedOption = { name: '--Select--', desc: 'Choose your option' };

function initSelectboxOptions() {

$scope.selectboxOptions = new Array();

$scope.selectboxOptions.push({

name: '--Select--',

desc: 'Choose your option'

});

$scope.selectboxOptions.push({

name: 'Knockout',

desc: 'Declarative binding, Automatic UI Refresh, Dependency Tracking and Templating'

});

$scope.selectboxOptions.push({

name: 'Angular',

desc: 'AngularJS is a toolset for building the framework most suited to your application development.'

});

$scope.selectboxOptions.push({

name: 'React',

desc: 'Declarative, component-Based and learn once, write anywhere'

});

};

initSelectboxOptions();

}])

.directive('setSelectboxOptionTitleText', function ($timeout) {

return {

link: function (scope, elements, attr) {

$timeout(function () {

var options = JSON.parse(attr.setSelectboxOptionTitleText);

var key = '';

for (var i = 0; i < options.length; i++) {

key = elements[0][i + 1].text;

if (key.length < 1) { continue; }

value = options.filter(function (item) {

return item.name == key;

});

elements[0][i + 1].title = value[0].desc;

}

}, 1000);

}

};

});

</script>

</body>

</html>

Custom directive named as 'setSelectboxOptionTitleText', while decorating it to selectbox we have to follow the directive standards such as

*Directive name setSelectboxOptionTitleText in decoration it should be set-selectbox-option-title-text* If you are not comfortable with – (hyphen) notation name that in lower case.