

Workshop 4 – AngularJS Bindings & Scopes

Topics:

1. Two Way Binding
2. Scopes

Demo:

1. Add a new route to your application:

```
.when('/twowaybinding', {  
    templateUrl: 'templates/scopes.html',  
    controller: 'ScopesController'  
})
```
2. Create ScopesController with the following content:

```
$scope.title = 'Two Way Binding Demo';  
$scope.childtemplate = 'templates/childscope.html';  
$scope.resetFirstVariable = function() {  
    $scope.firstVariable = undefined;  
};  
$scope.setFirstVariable = function(val) {  
    $scope.firstVariable = val;  
};
```
3. Create 'scopes.html' template:

```
<div class="container">  
    <div class="jumbotron">  
        <h1>{{title}}</h1>  
    <p>  
        <div class="panel panel-default">  
            <div class="panel-heading">  
                <h3 class="panel-title">First Example</h3>  
            </div>  
            <div class="panel-body">  
                <p>  
                    ScopeID: {{Sid}}  
                </p>  
                <p>  
                    Type something: <input type="text" ng-model="firstVariable"/>  
                </p>  
            </div>  
        </div>  
    </p>  
</div>
```

```

    </p>
    <p>
        Your input: {{firstVariable}}
    </p>
    <p>
        <a class="btn btn-primary btn-lg" role="button" ng-click="resetFirstVariable()">Reset
Input</a>
    </p>
    <p>
        <a class="btn btn-primary btn-lg" role="button" ng-
click="setFirstVariable('something')">Set Input to Something</a>
    </p>
</div>
</div>
<div class="panel panel-default">
    <div class="panel-heading">
        <h3 class="panel-title">Second Example</h3>
    </div>
    <div class="panel-body">
        <div ng-include="childtemplate"></div>
    </div>
</div>
</p>
</div>
</div>

```

4. Add in 'MenuController' the following function:

```

$scope.demoActionList = [
    {
        label: "Two Way Binding",
        url: "#/twowaybinding"
    }
];

```

5. Add in 'menu.html' a new element in the links list, below the Home link the following element:

```

<li class="dropdown">
    <a href="" class="dropdown-toggle" data-toggle="dropdown">Demo actions<span
class="caret"></span></a>
    <ul class="dropdown-menu" role="menu">
        <li ng-repeat="action in demoActionList"><a
href="{{action.url}}">{{action.label}}</a></li>
    </ul>
</li>

```

6. Add 'childscope.html' template:

```

<div ng-controller="ChildScopeController">

```

```

<p>
  ScopeID: {{$id}}
</p>
<p>
  Parent title is: {{title}}
</p>
<p>
  <a class="btn btn-primary btn-lg" role="button" ng-click="setTitle()">Set Title</a>
</p>
</div>

```

7. Add ChildScopeController:

```

hrApp.controller('ChildScopeController', ['$scope', function($scope){
  $scope.setTitle = function() {
    $scope.title = 'Child Scope Title';
  };
}]);

```

8. Load your JS scripts in your application.....
9. Run in CMD: 'grunt server'

Exercises:

1. Create a new route in your application '/demomath'.
2. Show the link for this route in the 'Demo actions' dropdown from the menu;
3. In this page create two inputs('Number A' and 'Number B'). Below this inputs show the 4 math operations(addition, subtraction, multiplication, division);