**How to code in Spring for Dropdown & Datagrid**

**Dropdown** :

**JSP**

<div ng-controller="endtMotorTransactionController as endor" id="ENDOR\_NON\_JPJ\_MOTOR"

ng-init="fnendtmotoronload()" bindonce>

<div class="col-sm-7">

<select id="DD\_ENDT\_CATEGORY"

ng-model="endor.endtCategoryId"

ng-disabled="(endor.policyNo == null && endor.activePolicyCoverNoteNo == null) || referRiskMenuId > 0"

ng-init="endor.endtCategoryId != null ? endor.endtCategoryId : endor.endtCategoryId = 0"

ng-change="endor.endtCategoryId != null ? endor.endtCategoryId : endor.endtCategoryId =0;fnOnChangeEndorCategory(this.endor)"

ng-options="options.commonutilsId as options.commonutilsDesc for options in endor.endorCategoryList"

class="form-control"><option selected="selected" value="">--PLEASE SELECT--</option>

</select>

</div>

</div>

**JavaScript file**

**Screen onloaded function**

self.fnendtmotoronload=function(){

$http.post(CONTEXT\_PATH+'motor/endorcategory',self.endor).then(function(response){

self.endor.endorCategoryList = response.data;

self.endorCategoryList = response.data;

} }

**TravelCareController.java**

@RequestMapping(value="/endorcategory",method=RequestMethod.POST)

public List<CommonutilsDO> getEndorCategory(@RequestBody MotorTransactionDO motorTransactionDO){

List<CommonutilsDO> endorCategoryList = null;

try{

endorCategoryList = **TravelCareService**.getEndorCategoryList(motorTransactionDO);

}catch(Exception e){

NsureLogger.logException(e, logger, this.getClass(),"getEndorCategory", "fatal", null);

}

return endorCategoryList;

}

**MotorService.java**

public List<CommonutilsDO> getEndorCategoryList(MotorTransactionDO motorTransactionDO);

**MotorServiceImpl.java**

@Override

public List<CommonutilsDO> getEndorCategoryList(MotorTransactionDO motorTransactionDO){

List<CommonutilsDO> endorCategoryList = null;

try{

endorCategoryList = motorDAO.getEndorCategoryList(motorTransactionDO);

}catch(Exception e){

throw new NsureException(e);

}

return endorCategoryList;

}

**CommonUtilsDO.java**

**public** **class** CommonutilsDO **implements** Serializable {

**protected** **int** commonutilsId;

**protected** **int** commonutilsIdMly;

**protected** String commonutilsCode;

**protected** String commonutilsCodeMly;

**protected** String commonutilsDesc;

//SET GETTERS & SETTERS

}

**PADAO.java**

public List<CommonutilsDO> getEndorCategoryList(MotorTransactionDO motorTransactionDO);

**PADAOImpl.java**

@Override

public List<CommonutilsDO> getEndorCategoryList(MotorTransactionDO motorTransactionDO) {

List<CommonutilsDO> endorCategoryList = null;

try{

String finalSQL = null;

if(motorTransactionDO.getMenuId() == GlobalNames.NON\_JPJ\_APP\_SLIP){

finalSQL = "SELECT NUM\_ENDT\_CATEGORY\_ID, VCH\_ENDT\_CATEGORY\_DESC FROM TABLE WHERE NUM\_ENDT\_CATEGORY\_ID IN (2,5,7) ";

} else if(motorTransactionDO.getMenuId() == GlobalNames.NON\_JPJ\_CONFIRM\_SLIP){

finalSQL = "SELECT NUM\_ENDT\_CATEGORY\_ID, VCH\_ENDT\_CATEGORY\_DESC FROM TABLE WHERE NUM\_ENDT\_CATEGORY\_ID IN (7) ";

} else{

finalSQL = "SELECT NUM\_ENDT\_CATEGORY\_ID, VCH\_ENDT\_CATEGORY\_DESC FROM TABLE”;

}

endorCategoryList = jdbcTemplate.query(finalSQL,new RowMapper<CommonutilsDO>() {

@Override

public CommonutilsDO mapRow(ResultSet rs, int rowNum) throws SQLException {

CommonutilsDO commonutilsDO = new CommonutilsDO();

commonutilsDO.setCommonutilsId(rs.getInt("NUM\_ENDT\_CATEGORY\_ID"));

commonutilsDO.setCommonutilsDesc(rs.getString("VCH\_ENDT\_CATEGORY\_DESC"));

return commonutilsDO;

}

});

}catch(Exception e){

throw new NsureException(e);

}

return endorCategoryList;

}

**UI-Grid:**

**In this example we could create the basic grid.**

**Steps:**

**Step:1 -** Include uiGrid in your script and css

<link rel="styleSheet" href="release/ui-grid.min.css"/>

<script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.5.0/angular.min.js"></script>

<script src="/release/ui-grid.min.js"></script>

**Step:2 -** Include ui.grid module as a dependency in your app

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

Or using CommonJS

var app = angular.module('app', [require('angular-ui-grid')]);

**Step:3 -** Add a css style to your app css so the grid knows it's dimensions

.myGrid {

width: 500px;

height: 250px;

}

**Step:4 -** Add an array of data to a property on your controller

<script>

angular.module('app', ['ngTouch', 'ui.grid']) .controller('MainCtrl', MainCtrl);

function MainCtrl() {

this.myData = [

{

firstName: "Cox",

lastName: "Carney",

company: "Enormo",

employed: true

}

];

}

</script>

**Step:5 –** InJSP use the ui-grid directive

specify a json object with a data property referencing your $ctrl.myData property.

<body ng-app="app">

<div ng-controller="MainCtrl as $ctrl">

<div ui-grid="{ data: $ctrl.myData }" class="myGrid"></div>

</div> </body>

OR

<script>

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

app.controller('MainCtrl', ['$scope', '$http', '$q', function ($scope, $http, $q) {

$scope.gridOptions = { };

$scope.gridOptions.columnDefs = [

{name:'id'},

{name:'name'},

{field:'age'},

{name: 'address.city'},

{name: 'age again', field:'age'}

];

}]);

</script>

<body ng-app="app" on-init=”fnPageInit();”>

<div class="myGrid">

<div id="gridNamedDriver" ui-grid="namedDriverGrid" style="height: 150px"></div>

</div>

</body>

**OR BINDING TO DB**

<body ng-app="app" on-init=”fnPageInit();” ng-controller="**FileController** as **appController**" >

<div class="myGrid">

<div id="gridExample" ui-grid="exampleGrid" style="height: 150px"></div>

</div>

</body>

<script>

this.fnPageInit = function(self){

var gridSettings = {

enableRowHeaderSelection : true,

enableSelectAll : false,

multiSelect : true,

enableColumnResize : true,

enableCellSelection: false,

enableCellEditOnFocus : false,

enableRowSelection : true,

enableColumnReordering : false,

enableCellEditOnFocus : true

};

columnDefs.showdetGrid = [

{field:'fireInterestId',visible: false},

{field:'number',

cellTemplate: '<div class="ui-grid-cell-contents"> {{grid.renderContainers.body.visibleRowCache.indexOf(row)+1}}</div>' ,

displayName:'No.',enableColumnMenu: false,width:50},

{field : 'sectionIARId',name : 'sectionIARId',

displayName : 'Section No.',

enableColumnMenu : false,width:120,

cellTemplate : ' <div class="ui-grid-cell-contents" ><select class="form-control"

ng- model="row.entity.sectionIARId" tabindex="20"

ng-change="grid.appScope.fnOnChangeSectionIAR(row)"

ng-options="option.commonutilsId as option.commonutilsDesc for option in grid.appScope.sectionIARList"><option value="">--PLEASE SELECT--</option></select>

</div>'},

{field : 'sectionIARNameId',name : 'sectionIARNameId',

displayName : 'Section Name',

enableColumnMenu : false,width:200,

cellTemplate : ' <div class="ui-grid-cell-contents" >

<select class="form-control"

ng-disabled="row.entity.sectionIARId == 0 || row.entity.sectionIARId == null" ng-model="row.entity.sectionIARNameId" tabindex="20"

ng-change="grid.appScope.fnOnChangeSectionNameIAR(row)"

ng-options="option.commonutilsId as option.commonutilsDesc for option in row.entity.sectionNameIARList">

<option value="">--PLEASE SELECT--</option>

</select>

</div>'},

{field:'fireInterestCode',displayName:'Interest Code',

enableColumnMenu: false,width:150},

{field:'fireInterestDesc',displayName:'Interest Description',

enableColumnMenu: false,width:250},

{field:'fireInterestSumInsured',displayName:'Sum Insured (RM)',

enableColumnMenu : false, width:150,cellClass : 'text-right',

cellTemplate:'<div>

<div class="grid-cell-control">

<input ngnumbersonly maxlength="10"

ng-model="row.entity.fireInterestSumInsured" />

</div></div>'

},

{field:'locInterestId',visible: false},

{field:'ratePercentage',displayName:'Basic Rate (%)',

enableColumnMenu: false, width:150,cellFilter: 'number: 6',cellClass : 'text-right'},

{field:'fireInterestPremium',displayName:'Basic Premium (RM)',

enableColumnMenu: false,width:150,cellFilter: 'number: 4',cellClass : 'text-right'}

];

var interestevents = {'ondblclick':'fnPopulateDetails'};

GridServices.defineGrid(self,null,'exampleGrid',gridSettings,columnDefs.showdetGrid, null,null,interestevents);

$http.post(CONTEXT\_PATH+'/**loadGrid**',self.**appController**).then(function(response){

self.exampleGrid.data = response.data.**exampleList**;

});

self.fnPopulateDetails = function(rowEntity){

var parentScope = null;

var gridData = new Array();

var singleObject = {};

parentScope = angular.element($("#FIRENB\_SCHEDULE\_DETAIL")).scope();

var number = parentScope. exampleGrid.data!=null && parentScope.exampleGrid.data.length>0?parentScope.exampleGrid.data.length+1:1;

parentScope.interestAdd = "Y";

singleObject = {"number" : number,

"fireInterestId" : rowEntity.commonutilsId,

"fireInterestCode" : rowEntity.commonutilsCode,

"fireInterestDesc" : rowEntity.commonutilsDesc,

"ratePercentage" : parentScope.firelocationDet.ratePercentage,

"fireInterestPremium" : "0.00"};

if(self.fnValidateGridData(rowEntity.commonutilsId,parentScope.exampleGrid,'INT')){

parentScope.exampleGrid.data.push(singleObject);

self.close(this);

}else{

swal("The selected Interest Code '"+rowEntity.commonutilsCode+"' with description '"+rowEntity.commonutilsDesc+"' already exists for this Location.");

}

};

self.fnValidateGridData = function(selectedRowId,existingGridData,gridInd){

if(gridInd == 'INT'){

if(existingGridData.data.length > 0){

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

if(existingGridData.data[i].fireInterestId == selectedRowId){

return false;

}

}

}

}

return true;

};  
</script>

**FileController.Java**

@RequestMapping(value = "/**loadGrid**", method = RequestMethod.POST)

public AdministrationDO **loadGrid**(@RequestBody AdministrationDO fileDO)

{

AdministrationDO administrationDO = null;

try {

administrationDO = fileService.loadGrid(fileDO);

} catch (Exception e) {

//Throw Exception

}

return administrationDO;

}

**FileService.java**

public AdministrationDO loadGrid(AdministrationDO fileDO);

**FileServiceImpl.java**

@Override

public AdministrationDO loadGrid(AdministrationDO fileDO) {

return fileDAO.loadGrid(fileDO);

}

**FileDAO.java**

public AdministrationDO loadGrid(AdministrationDO fileDO);

**FileDAOImpl.java**

@Override

public AdministrationDO loadGrid(AdministrationDO fileDO) {

AdministrationDO administrationDO = new AdministrationDO();

try{

StringBuilder searchSql = new StringBuilder();

String GET\_LIST = new StringBuilder(" SELECT OCCUPATION.NUM\_NM\_OCCUPATION\_ID,OCCUPATION.VCH\_OCCUPATION\_CODE,OCCUPATION.VCH\_OCCUPATION\_DESCRIPTION,PIAM.NUM\_PIAM\_ID,PIAM.VCH\_PIAM\_CODE,PIAM.VCH\_PIAM\_DESC")

.append(" FROM EIS\_MST\_NM\_OCCU\_CLASS\_MAP MAP,EIS\_MST\_NM\_OCCUPATION OCCUPATION INNER JOIN EIS\_MST\_NM\_PIAM\_OCCUPATION\_MAP PIAM\_MAP ON PIAM\_MAP.NUM\_NM\_OCCUPATION\_ID = OCCUPATION.NUM\_NM\_OCCUPATION\_ID")

.append(" INNER JOIN EIS\_MST\_NM\_PIAM PIAM ON PIAM.NUM\_PIAM\_ID = PIAM\_MAP.NUM\_PIAM\_ID WHERE OCCUPATION.NUM\_NM\_OCCUPATION\_ID = MAP.NUM\_NM\_OCCUPATION\_ID ")

.append(" AND MAP.CHR\_ACTIVE\_STATUS = 'Y' AND MAP.NUM\_SUB\_CLASS\_ID = ? AND MAP.NUM\_OCCUPATION\_MAJOR\_ID = ? ##").toString();

String finalSql = GET\_LIST.replaceAll("##", searchSql.toString());

if(fileDO.getIsPagination() != null && fileDO.getIsPagination().trim().equalsIgnoreCase("Y")){

finalSql = getPagingQuery(finalSql, fileDO.getPageNo(), fileDO.getPageSize());

}

List<AdministrationDO> searchList = jdbcTemplate.query(finalSql, new Object[]{fileDO.getOccupationId (),fileDO.getclassId()}, new RowMapper<AdministrationDO>() {

@Override

public AdministrationDO mapRow(ResultSet rs, int rowNum) throws SQLException

{

AdministrationDO administrationDO = new AdministrationDO(); administrationDO.setOccupationId(rs.getInt("NUM\_NM\_OCCUPATION\_ID")); administrationDO.setOccupationCode(rs.getString("VCH\_OCCUPATION\_CODE"));

administrationDO.setOccupationDesc(rs.getString("VCH\_OCCUPATION\_DESCRIPTION"));

administrationDO.setPiamId(rs.getInt("NUM\_PIAM\_ID"));

administrationDO.setPiamCode(rs.getString("VCH\_PIAM\_CODE"));

administrationDO.setPiamDesc(rs.getString("VCH\_PIAM\_DESC"));

return administrationDO;

}

});

administrationDO.set**ExampleList**(searchList);

}

catch(Exception e){ // throw Exception

}

return administrationDO;

}

**AdministrationDO.java**

public class AdministrationDO implements Serializable {

private static final long serialVersionUID = 1L;

private List<AdministrationDO> administrationList;

private int occupationId;

private String occupationCode;

private String occupationType;

private String occupationDesc;

private int classId;

<Implement getters & setters for above elements like this>

public int getOccupationId() {

return occupationId;

}

public void setOccupationId(int occupationId) {

this.occupationId = occupationId;

}

}