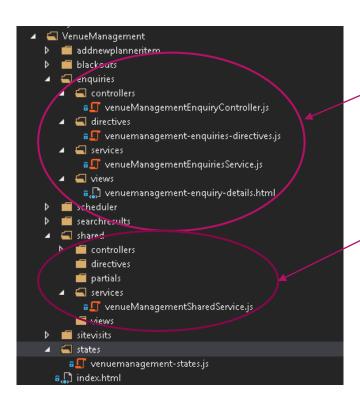
AngularJS

STYLE & CODING STANDARDS ROBIN CULLIMORE

Folder structure



Each section or 'sub module' has it's own: Controllers, Directives, Services and Views folder

The shared folder has an additional folder for partial views. Only generic or reusable components should go into the shared folder.

Controllers

Using a 'this' variable will help reduce scope bloat

Injected names or variables will be fully qualified and not abbreviated.

The aim is lean controllers. No business logic should be implemented in the controllers – this should go into the related service

```
"use strict";
var venueModule = angular.module('myApp');
venueModule.controller("venueManagementEnquiryController", [
    "$scope", "$window", "$state", "$location", "$stateParams", "$filter", "$timeou(", "$modal", "$rootScope", "$parse", "commonUtilities", "commonSe
    function ($scope, $window, $state, $location, $stateParams, $filter, $timeout, $modal, $rootScope, $parse, commonUtilities, commonService, systemC
       enquiry.currentDate = new Date();
        // The form that represents the forms model/schema
       $scope.enquiryForm = {};
       // Retrieve the reference data for this module to use
       var refData = localStorageService.get('venueManagementRefData');
        ir ($scope.VenueEnquiryId != 0 || $scope.VenueEnquiryId != undefined) {
            venueManagementEnquiriesService.getVenueEnquiryById($scope.VenueEnquiryId).then(function(data) {
                // Setup the event dates so they can be read by the date picker
                    startDate: data.EventStartDate,
                    endDate: data.EventEndDate
                $scope.enquiryForm = data;
        // Forms save method
       $scope.save = function(data) {
            venueManagementEnquiriesService.saveEnquiry(data);
```

Directives

Isolate scope as much as possible or use 'scope false' to share the parents – we should never be using \$parent functionality. We should remember \$scope is being removed in Angular V2.

Services

```
"use strict";
var myAppModuleVM = angular.module('myApp');
myAppModuleVM.factory('venueManagementEnquiriesService',
        function ($resource, commonUtilities, streamingUtilities, $cacheFactory, localStorageService, $route, $filter, venueManagementSharedService) {
                saveEnquiry: function (data)
                    var startDate = new Date(data.EventDates.startDate);
                    sta tDate.setHours(7);
                    data.EventStartDate = startDate;
                    var endDate = new Date(data.EventDates.endDate);
                    endDate.setHours(23);
                    data.EventEndDate = endDate;
                    in (data.Id == undefined | data.Id == 0) {
                        VenueManagementSharedService.addData('enquiries', null, data "Enquiry successfully added");
                        venueManage...entSharedService.updateData('enquiries/10}', [data.Id], data, "Enquiry successfully updated");
                getVenueEnquirySyId: function(id) {
                    return venueManagementSharedService.getData('enquiries/{0}', [id]);
```

Services should now contain all the business logic.

They still reach out to the generic service that deals with all the API calls. This is a much more OO way of structuring services. The functions will work just like a class methods.

The specific services can also be used to pass parameters or objects between controllers.

Views

No more than one empty line in the code, ever!!!!

The main object will be named after the form that is being submitted.

No more RHS-Forms or 'ob' / 'cd'.

```
kdiv class="col-md-12 row">
    <ng-form role="form" class="" name="forms.enquiryForm" style="margin-bottom: 20px; display: block"</pre>
                <div class="form-group col-sm-6" ng-class="{'has-error': forms.enquiryForm.EnquirerEmailAddress.$invalid}">
                    <label for="EnquirerEmailAddress" class="control-label">Enquirer Email Address</label>
                        <input type="email"</pre>
                               class="form-control"
                               name="EnquirerEmailAddress"
                               ng-minlength="10"
                               ng-model="enquiryForm.EnquirerEmailAddress"
                                ng-required="EnquirerTelephoneNumber == null" />
                    <div class="col-sm-2">
                        <span ng-show="forms.enquiryForm.EnquirerEmailAddress.$error.required" class="help-block">Required</span>
                <div class="form-group col-sm-12" ng-class="{'has-error': forms.enquiryForm.EventNotes.$invalid}">
                    <label for="EventNotes" class="control-label">Event Notes</label>
                        <textarea type="text"
                                   ng-minlength="30"
                                   name="EventNotes"
                                  placeholder="Enter notes here ..."
                                  data-ng-model="enquiryForm.EventNotes" />
        <div class="modal footer text-right";</pre>
            <button class="btn btg-primary" ng-disabled="forms.enquiryForm.$pristine"</pre>
                    ng-click="save(enquiryForm); forms.detailenquiryFormsForm.$setPristine()">
               Save Details
            <button class="btn btn-warning" ng-click="closeWindow()">Cancel</button>
```

Shared Services

Shared service remains unchanged

```
var myAppModuleVm = angular.module('myApp');
myAppModuleVm.factory('venueManagementSharedService',
     "$resource', 'commonUtilities', 'streamingUtilities', '$cacheFactory', 'localStorageService', 'commonUtilities',
function ($resource, cu, su, $cacheFactory, localStorageService, commonUtilities) {
         var base = venueManagementUrl;
                     'queryNoCache': { method: 'GET', isArray: true, cache: false },
'update': { method: 'PUT' },
'save': { method: 'Post' },
                      'httpDelete': { method: 'DELETE' } // no json payload allowed when DELETE take id from url
               updateData: function (methodUrl, args, dto, msg) {
   var formattedUrl = commonUtilities.stringFormat(methodUrl, args);
                             cu.addAlert(reason.data.Message, 'danger');
               addData: function (methodUrl, args, dto, msg) { // PLEASE NOTE msg var... remember to supply this IF you want a msg to pop up var formattedUrl = commonUtilities.stringFormat(methodUrl, args);
                                    cu.addAlert(msg, 'success');
```

Aims

- Lean controllers
- ► More components, smaller components
- Code simplicity ahead of "fewer lines of code"
- Scope isolation with truly "reusable" components
- Design patterns and coding standards just as important on the front-end as the back-end

Sources

- https://github.com/mgechev/angularjs-style-guide
- http://artandlogic.com/2013/05/ive-been-doing-it-wrong-part-1-of-3/