**Angular js**

**Advantage of Angular js**

1) Dependency Injection

2) Two way Data-binding (Keeps on the model and view sync at all times, that means change to model update the view automatically smiliary change to the view updates model )

3) Follow MVC model

4) Testing can be done

5) Controlling the behavious of dom elements using directives

6) Filters are made easy

**Module**: A module is a container for different parts of your application 1.e controller, services ($http), directives, filters etc.,

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You can think of module as Main()method in other types of application.

i.e main method which an entry point to the application and it reponsibility of the main method to wire together different parts of the application module.

Module is angular application equivalent of the main method models

Creating an angular is straightforward,use angular object ,module method

angular.module("myModule",[]).Module has two parameters,the first paratmer speicfy the name of the module OR refer to the html element that we are creating

and second paramter specifies the dependencies for this module, Module can depend on other modules

Right now the the code above do not have any dependencies.

2.angular object is provided by the angular-frame-work

3.A module can depend upon the other modules.

Controller: In angular controller is javascript function .

The job of the controller is to build a model for the view to display

The model is nothing but the data in real world application the controller may call into webservices which retrives data from the database.

How to create a controller.Simple Create a javascript function with any anonymous function?

var myController = function($scope)

{

$scope.message="Hello";

}

In controller we are passing paramter called $scope

What is dollar scope?

$scope is an angular object that is passed to this controller function by the angular framework automatically

we attach the model to this scope object which will then be available in the view within the view

we will use the databinding expression to retrive the data from scope object and display it so in this example we are attaching

a message property to the scope object and with in the message property we are storing the strings.so this message property will be available

in the view.

The controller does this by attaching the model to the scope

The scope object it self is not a model.Its a data that attached to the

scope is the model

The controller should only be used for setting up the initial the state of the

scope object and adding behaviour to it .

or

The scope is the binding part between the HTML (view) and the JavaScript (controller).

The scope is an object with the available properties and methods.

The scope is available for both the view and the controller.

http://www.w3schools.com/angular/angular\_scopes.asp

Ex:

var myApp = angular.module("myModule",[]);

myApp.controller("myController",myController);

or

var myApp = angular.module("myModule",[]);

myApp.controller("myController",function($scope){

$scope.message="Hello";

}

);

ng-app: we need to associate module "myApp" with ng-app directive

ng-controller : we need to associate controller "myCtrl" with ng-controller directive we do that in the view

When we specify ng-app in the html it will bootstrap the angular application using hte name specified in the angular.module("Myapp")

within the module we have already registered our controller..

Where ever we specify the mycontroller with in the div we can access the scope of model or property

Outside of the div the scope contxt is not available