Module, controllers, directives, filters…

**Module** (defines an AngularJS application): **ng-app**

<div ng-app="myApp">...</div>

<script>

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

</script>

**Controllers (initialization): ng-controller**

<div ng-app="**myApp**" ng-controller=**"myCtrl"**>

{{ firstName + " " + lastName }}

</div>

<script>

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

app.controller(**"myCtrl"**, function($scope) {

    $scope.firstName = "John";

    $scope.lastName = "Doe";

});

</script>

app.directive(“”,function(){

return {

template : “…”

};

})

* currency Format a number to a currency format.
* date Format a date to a specified format.
* filter Select a subset of items from an array.
* json Format an object to a JSON string.
* limitTo Limits an array/string, into a specified number of elements/characters.
* lowercase Format a string to lower case.
* number Format a number to a string.
* orderBy Orders an array by an expression.
* uppercase Format a string to upper case.

Applying function: use div to decide which one includes the controller

ng-repeat =”x in array” (used for ordered/unordered list)

ng-click =

If we consider an AngularJS application to consist of:

* View, which is the HTML.
* Model, which is the data available for the current view.
* Controller, which is the JavaScript function that makes/changes/removes/controls the data.

Then the scope is the Model.

* Input (first/ last name), print out full name. Initilaize Fuhai Gao
* Given one library, print out each name and country, ordered with name
* click change name (applying function, function declared in controller)
* click button, update times of clicking button
* Given one array of names, print out the name with letter’i’