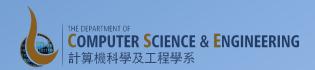
Angular Modules and Controllers

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Angular and MVC

- Angular is built with MVC in mind
 - MVC
 - MVVM
 - MVW (model-view-whatever)
 - Model, View and something in between

http://www.beyondjava.net/blog/model-view-whatever/

Angular Modules

- An Angular module is a collection of:
 - Controllers
 - Directives
 - Filters
 - Services
 - Other configuration information
- Bootstrapping your application
- Keep your code organized, maintaintable, and testable

Angular Modules

```
<a href="mailto:</a></a> <a href="https://www.app"<a href="mailto://www.app">www.app"<a href="mailto://www.app">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">www.app="confusionApp">ww
<body>
                                                                                        <script>
                                                                                                                                                                               var app = angular.module('confusionApp',[]);
                                                                                        </script>
</body>
</html>
```

Angular Controller

- JavaScript object containing attributes/properties and functions
- Exposes variables and functionality to expressions and directives

Angular Controller

- Controller defined using a ng-controller directive on an HTML element
- Example:

```
<div class="row row-content"
ng-controller="menuController as menuCtrl">
```

</div>

Angular Controllers

Add the controller code:

```
<script>
    var app = angular.module('confusionApp',[]);
    app.controller('menuController', function() {
     });
</script>
```

Exercise: Angular Modules and Controllers

- Define an Angular module, and initialize the Angular app with the module
- Define a controller within your Angular app and use the controller within your application