

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, maintainable, and testable

Angular Modules

```
<html ngApp="confusionApp">
```

```
  ...
```

```
<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