

Angular UI-Router and SPAs

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Limitations of ngRoute

- Only one view is allowed per page
 - No support for multiple views
 - No support for nested views
- Application views tied to the route URL

Angular UI Router

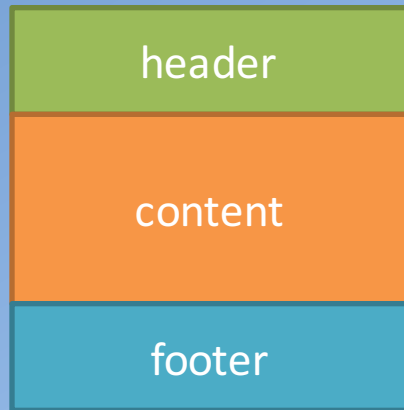
- Views based on the state of the application
 - Can change parts of your site using the routing even if the URL does not change
- Multiple Views
- Nested Views

Angular UI Router

- Installing UI Router:
`bower install angular-ui-router -S`
- Dependency injection into the module:
`angular.module('confusionApp', ['ui.router'])`

Router as a State Machine

```
.config(function($stateProvider, $urlRouterProvider) {  
  $stateProvider  
    .state('app', { // route for the home page  
      url: '/',  
      views: {  
        'header': { templateUrl: 'views/header.html' },  
        'content': { template: '<h1>To be Completed</h1>', controller : 'IndexController' },  
        'footer': { templateUrl: 'views/footer.html' }  
      }  
    })  
    .state('app.aboutus', { // route for the aboutus page  
      url: 'aboutus',  
      views: {  
        'content@': { template: '<h1>To be Completed</h1>', controller : 'AboutController' }  
      }  
    });  
  $urlRouterProvider.otherwise('/');  
});
```



multiple views
nested views

uiView Directive

- Indicates where to include the views

```
<div ui-view="header"></div>
```

```
<div ui-view="content"></div>
```

```
<div ui-view="footer"></div>
```

ui-sref

- Use ui-sref="state" to indicate which state to move to when clicked

`<a ui-sref="app">`

`<a ui-sref="app.aboutus">`

`<a ui-sref="app.menu">`

- Corresponding href will be generated upon compilation

\$stateParams

- menu.html:
 <a ui-sref="app.dishdetails({id: dish._id})">...
- DishDetailController
 .controller('DishDetailController', ['\$scope', '\$stateParams',
 'menuFactory', function(\$scope, \$stateParams, menuFactory) {
 var dish= menuFactory.getDish(parseInt(\$stateParams.id,10));
 \$scope.dish = dish;
 }]);

Exercise: Angular UI-Router and SPAs

- Use the Angular UI-Router to design a SPA with multiple and nested views
- Reorganize the application and complete the SPA in a modular manner