UI-Router

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Overview

Concepts and Components

How to Activate a State

URL Parameters

Nested States and Views

State Change Events

Multiple Named Views

UI-Router Concepts

Complete Routing framework for AngularJS

"State" is unit of organization

UI-Router Components

$state	$stateProvider	ui-sref	ui-view
$urlRouter	$urlRouterProvider	$urlMatcherFactory	$templateFactory

State Manager

Based around $stateProvider – similar to $routeProvider

URL is optional

Support Route Resolvers

Nested States (parent/child)

Multiple States

State

Unique Name

URL (optional, supports parameters)

Template/TemplateUrl

Controller (optional)

State

```
$stateProvider.state('contacts', {
    url: '/contacts',
    templateUrl: 'contacts.html',
    controller: 'ContactsCtrl',
    resolve: {
        initialData: ['api', function(api) {
            return api.getContacts();
        }]
    }
});
```

ui-view

Renders the view of a "state"

Placeholders

Similar to: ng-view

```
<div ui-view></div>
```

3 Ways to Activate a State

$state.go()

ui-sref directive

Navigate to URL (href)

URL Parameters

URL Parameters supported similar to ngRoute

```
$stateProvider.state('contacts', {
    url: '/contacts/:contactId',
    templateUrl: 'contacts.html',
    controller: 'ContactsCtrl'
});
```

Nested States

UI-Router Supports Nested States

Dot Notation

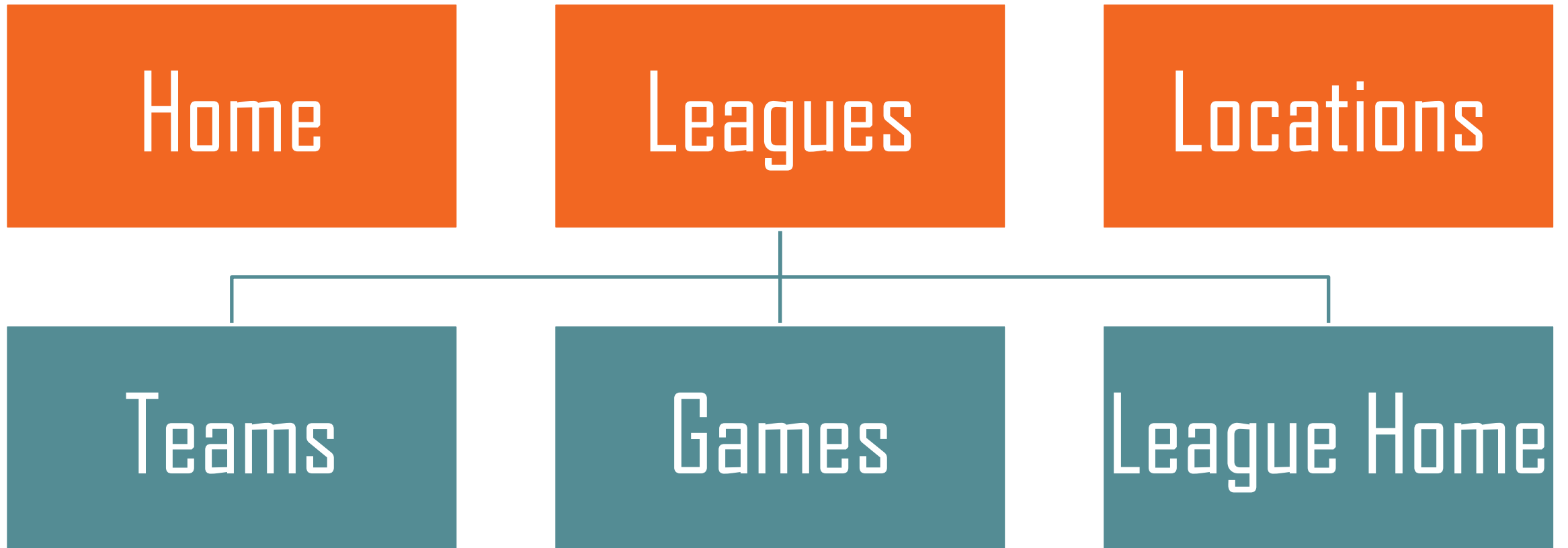## Child Inherits from Parent (URL, custom data objects)

Abstract

- Can have child states but not get activated itself
- Must contain their own

Nested States

```
$stateProvider
    .state("foo", {
        abstract: true,
        url: "/foo"
        templateUrl: "foo.html" // must contain <ui-view/>
    })
    .state("foo.bar", {
        url: "/bar", // will be "/foo/bar"
        templateUrl: "bar.html"
    })
    .state("foo.baz", {
        url: "/xxx", // will be "/foo/xxx"
        templateUrl: "baz.html"
    });
```

Elite Schedule Admin Site Map

State Change Events

$stateChangeStart

$stateNotFound

$stateChangeSuccess

$stateChangeError

```
$rootScope.$on('$stateChangeStart',
    function(event, toState, toParams, fromState, fromParams){

});
```

Multiple Named Views

Named views allows you to have more than 1 <ui-view/> per template

```html
<!-- index.html -->
<body>
  <div ui-view="side-bar"></div>
  <div ui-view="main-content"></div>
  <div ui-view="graph"></div>
</body>

$stateProvider
  .state('report',{
    views: {
      'side-bar': {
        templateUrl: 'side-bar.html',
        controller: function($scope){ ... controller stuff just for side-bar view ... }
      },
      'main-content': {
        templateUrl: 'main-content.html',
        controller: function($scope){ ... controller stuff just for main-content view ... }
      },
      'graph': {
        templateUrl: -graph.html',
        controller: function($scope){ ... controller stuff just for graph view ... }
      },
    }
  })
```

Summary

Concepts and Components

How to Activate a State

URL Parameters

Nested States and Views

State Change Events

Multiple Named Views