URL-Based Routing with ngRoute

Brice Wilson

@brice_wilson | www.BriceWilson.net

Overview

Configuring routes with $routeProvider

Using the $routeParams service

Handling $route events

HTML5 routing

Getting ngRoute

bower install angular-route#1.4.0

npm install angular-route@1.4.0

http://ajax.googleapis.com/ajax/libs/angularjs/1.4.0/angular-route.js

https://code.angularjs.org/1.4.0/angular-route.js

Getting Started with ngRoute

Reference the angular-route.js file

Add ngRoute as a module dependency

Add an ng-view directive

Including ngRoute

```html
<!DOCTYPE html>
<html>
<head lang="en">
    <meta charset="UTF-8">
    <title>School Buddy</title>
</head>

<body ng-app="app">

<div ng-view></div>

<!-- Angular -->
<script src="app/bower_components/angular/angular.min.js"></script>

<script src="app/bower_components/angular-route/angular-route.min.js"></script>

</body>
</html>
```

Including ngRoute

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</body>
</html>
```

ngRoute Module Dependency

```javascript
// app.js

(function() {

    var app = angular.module('app', ['ngRoute']);

    // module configuration code goes here...

}());
```

Configuring Routes

```javascript
(function() {

    var app = angular.module('app', ['ngRoute']);

    app.config(['$routeProvider', function ($routeProvider) {

        $routeProvider
            .when('/', {
                controller: 'HomeController',
                controllerAs: 'home',
                templateUrl: 'app/templates/home.html'
            });
    }]);

}());
```

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pluralsight

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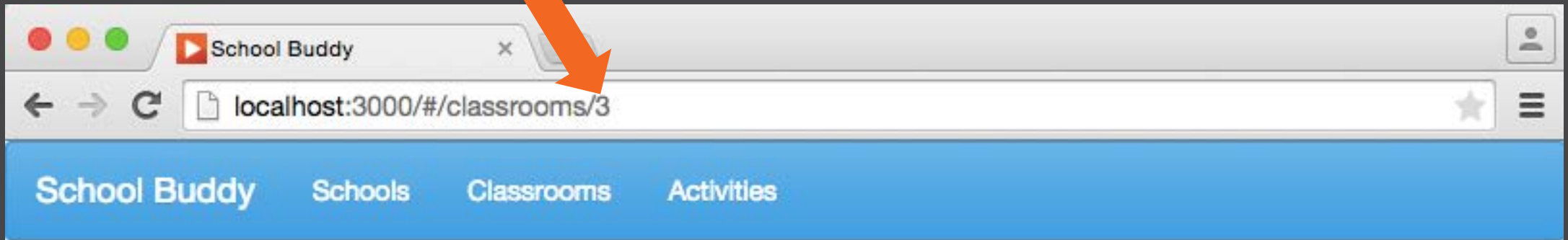
Using the $route Service

- Methods
  - reload( )
  - updateParams (newParams)
- Properties
  - current
  - routes
- Events
  - $routeChangeStart
  - $routeChangeSuccess
  - $routeChangeError
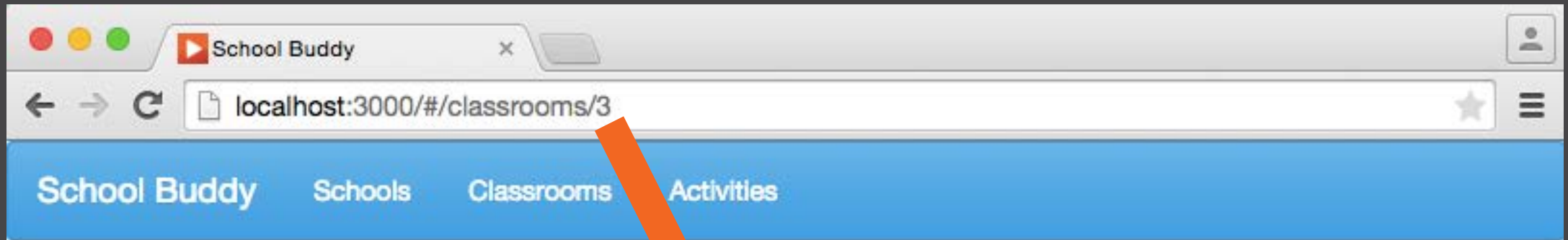 - $routeUpdate

Working with Route Parameters

```javascript
.when('/classrooms/:id', {
    // ...
})
```



```javascript
function ClassroomController($routeParams) {

    var classroomID = $routeParams.id;

    // use classroomID to gather data about that classroom
}
```

Working with Route Parameters

```
.when('/classrooms/:id', {
    // ...
})
```



```
function ClassroomController($routeParams) {

    var classroomID = $routeParams.id;

    // use classroomID to gather data about that classroom
}
```

```
.when('/activities', {
    controller: 'AllActivitiesController',
    controllerAs: 'activities',
    templateUrl: '/app/templates/allActivities.html',
    resolve: {
        activities: function (dataService) {
            return dataService.getAllActivities();
        }
    }
})
```

Resolve Property

- List of dependencies to inject into the controller

- Promises must resolve before route transition

- Result is injected into controller with the name specified in resolve
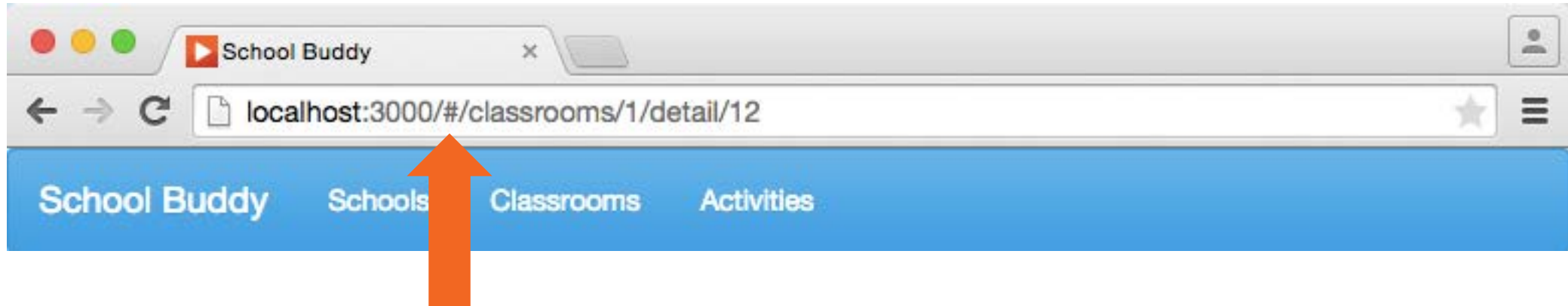
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    templateUrl: '/app/templates/allActivities.html',
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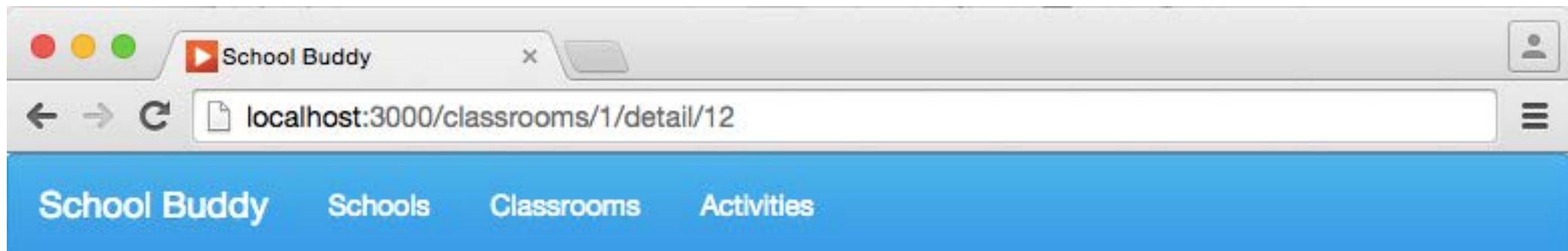
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URL Formats

Hashbang Mode

HTML5 Mode

Hashbang and HTML5 Modes

Hashbang Mode

- Default behavior

- All URLs will contain #

- Links are not rewritten

- No server-side configuration required

HTML5 Mode

- Must be configured using $locationProvider

- No # except in older browsers

- Links with # are rewritten without the # in modern browsers

- Server must rewrite links to application entry point

Summary

Include ngRoute

Configuring routes with $routeProvider

Pass URL parameters to controllers

Handling $route events

Hashbang and HTML5 mode