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# Tutorial 10: Angularjs RouteParams Example | Angularjs \$routeParams

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July 5, 2014 by Hafiz Faraz

Angularjs routeParams is a service that allows you to retrieve the current set of route parameters(URL Parameters). In [previous tutorial](#),

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we had the basic structure so that our application can handle routing but we were only using a single partial. All it does is show a list of guitars. It would be great to make list elements click through more detailed view of the guitar information i.e jump to another page that holds detail of clicked guitar. We can do this by wiring up a second partial using \$routeParams service.

If you are following along [previous tutorial](#) you will have project files otherwise you can simply download last tutorial files [here](#)

 First

In app.js document we gonna put second parameter for second partial because we are going to make multiple files linked. code like this:

```
var GuitarApp = angular.module('GuitarApp', ['ngRoute', 'Gui
GuitarApp.config(['$routeProvider', function($routeProvider
$routeProvider.
when('/list', {
  templateUrl: 'partials/list.html',
  controller: 'ListController'
}).
when('/details/:guitarID', {
  templateUrl: 'partials/details.html',
  controller: 'DetailsController'
}).
otherwise({
  redirectTo: '/list'
```

## Translate into

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```
});
}]);
```

### Code Explanation:

Its the same code we added in [previous tutorial](#) which tells that *when* somebody goes to `/details` and asks for a `:guitarID` (will get to it later) then goto template URL `partials/details.html` in project folder and get `details.html` file(get to it later). Finally, `DetailsController` is controller handling `details.html` file. Easy enough.

### Second

Lets make `DetailsController` in `controllers.js` file which will handle `detail.html` page like this:

```
1 var GuitarControllers = angular.module("GuitarControlle
2
3 GuitarControllers.controller("ListController", ['$scope
4     function($scope, $http)
5     {
6         $http.get('js/data.json').success (function
7             $scope.guitarVariable = data;
8             $scope.orderGuitar = 'price';
9         });
10    }]
11 );
12
13 GuitarControllers.controller("DetailsController", ['$sc
14     function($scope, $http, $routeParams)
15     {
16         $http.get('js/data.json').success (function
17             $scope.guitarVariable = data;
18             $scope.whichGuitar = $routeParams.guita
19         });
20    }]
21 );
```

### Code Explanation:

What I did is to copy the existing controller and paste it right below it and then change the new controller name to `DetailsController` (it is matching with controller name specified in `app.js`) and use `$routeParams` which is responsible for route tracking, you can say it as route manager. We use `$routeParams` because we need `guitarID` in our URL as well with routed page of `details.html`. Here is how link looks like when clicked on guitar:

`sitename.com/index.html#/details/2`

### Third

We need to make clickable links on guitar from which user can navigate to `details.html` page. To do this, goto `list.html` (this is where our guitar list is) and add the following code just after `li` to enclose the whole guitar in anchor tag like this:

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```

1 <ul>
2   <li class="itemHolder" ng-repeat="item in guitarVari
3     <a href="#/details/{{guitarVariable.indexOf(item)
4       
5     <div>
6       <h3> {{item.name }}</h3>
7       <p class="rightDate">Price Revised on: {{item.da
8         <p class="rightPrice">${{item.price | number
9       <p> {{item.description}}</p>
10    </div>
11  </a>
12 </li>
13 </ul>

```

### Code Explanation:

What we are going to pass here? I mean in the link? answer is simple, we are going to details.html page with item id on which we clicked. `#/details` tells that you need to JUMP to details section which is handled by angular in app.js file. Next `guitarVariable` is the variable you will find in controllers.js file which holds the data from data.json file. Next `indexOf` will get the position of guitar coming from data.json file and tells that for example violin is at fourth place in data.json file so it will return 3 because its an array, it starts from zero, remember that? I am sure you do. `item` is an item in `guitarVariable`. Okay and then after guitar details we closed the anchor tag.

You may be wondering how it gonna show us different id for different guitar? this is because above anchor tag we are using `ng-repeat` that iterates through data.json file.

## Fourth

Ok now we need to create our details page i.e details.html file in partials folder because we gave its path in app.js file. Lets copy the following code to details.html file and place this file in partials folder of your project:

```

1 <div class="details" ng-model="guitarVariable">
2   Price Revised
6     <p class="rightPrice magnifyPrice">${{guitarVar
7     <p> {{guitarVariable[whichGuitar].description}}
8     <p class="longDescription">{{guitarVariable[whi
9     <br><hr><br>
10    <a href="index.html" class="link">« Go back to
11  </div>
12 </div>

```

### Code explanation:

We know that `guitarVariable` is the variable in controllers.js file holding data coming from data.json file. So we created a model named as `guitarVariable`. Then we used `guitarVariable` and asked for `whichGuitar`, `whichGuitar` is the itemID or `guitarID` coming from list.html file along with details.html file like this `siteName.com/index.html#/details/2` so we in other words we are specifying the details of that guitar whose id is coming in `whichGuitar`. Remember that `whichGuitar` is already defined in

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controllers.js file. Rest of the code is just about placing guitar detail(name, dateAdded, price, longDescription etc) in some good way.


Finally we need to add some styling in style.css, add some data in data.json file and an image. You can download these three files from here [Download](#) (it has 3 files).

1. Place style.css in root directory of your project and replace existing style.css file
2. Place data.json file inside js folder and replace the existing file
3. put violin.jpg file inside img folder)

All done. Now open index.html file in FIREFOX browser. You will see guitar list and when you click on a guitar, its detail will show up like this:



and link looks like this:

 file:///C:/Users/Hafiz Faraz/Desktop/other/Angular Third/index.html#/details/1

## Download complete project



## Important Update

**David Raasch** figured out issue and solution in this tutorial:

**Problem:** Hmm... IE8 doesn't seem to want to click through to the Details. I've confirmed I'm in "Browser Mode: IE8", "Document Mode: IE8 Standards". (If I switch to "Quirks Mode", then everything other than the "Developer's Blog" banner vanishes.) I'll keep playing with it.

**Solution:** Figured it out. IE 8 and lower do not know what .indexOf is. I found the fix here: <http://stackoverflow.com/questions/3629183/why-doesnt-indexof-work-on-an-array-ie8> \_Applied it to your demo and now it's pulling in the guitarID's just fine.

Thanks for help **David Raasch**.

Hope you like it. Please share my work.

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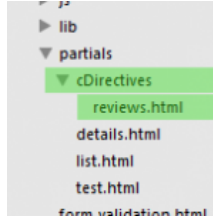
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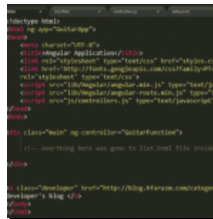
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**meatlover** • a year ago

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**Hafiz Faraz Mukhtar** Mod → meatlover

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Nice idea I shall definitely do this. Thanks ▸

NICE idea. I shall definitely do this. Thanks :)

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**meatlover** → Hafiz Faraz Mukhtar  
• a year ago

You are Welcome and that sounds good. I am a beginner too in JS.

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**Shahzad Ashraf** → meatlover  
• a year ago

nice idea..

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**Hafiz Faraz Mukhtar** Mod → meatlover  
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Thanks for suggestion. blog is undergoing maintenance today. will get to it video tutorials soon.

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**Shahzad Ashraf** → Hafiz Faraz Mukhtar  
• a year ago

thank u very much sir God bless u..

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**Bharat Bhushan** • 10 months ago

use UI-Router for better routing and multiple view on single page app

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**Hafiz Faraz Mukhtar** Mod → Bharat Bhushan  
• 10 months ago

yeah will update tutorial. thanks

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**Bharat Bhushan** → Hafiz Faraz Mukhtar  
• 10 months ago

i also want to use ui-routing in my next project. if you have any project or need any help. feel free to contact me.  
bharat9728897555@gmail.com

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**ds1982** • a year ago

You should really look at \$routeProvider's resolve option.  
=> <https://code.angularjs.org/1.2...>

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**Hafiz Faraz Mukhtar** Mod → ds1982

• a year ago

Thanks that is helpful :) will write an article on it too.

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**Shahzad Ashraf** • a year ago

can u also cover the integration with server??

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**Hafiz Faraz Mukhtar** Mod → Shahzad Ashraf

• a year ago

yes will write an article on it too.. after 2 tutorials I am gonna switch to such topics.

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**Shahzad Ashraf** • a year ago

thanks ..

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**David Raasch** • a year ago

Hmmm... IE8 doesn't seem to want to click through to the Details. I've confirmed I'm in "Browser Mode: IE8", "Document Mode: IE8 Standards". (If I switch to "Quirks Mode", then everything other than the "Developer's Blog" banner vanishes.)

I'll keep playing with it.

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**David Raasch** → David Raasch • a year ago

Yeah, confirmed: I can't get the Details view to work with IE8. The actual links aren't populated with the guitarID.

^ | v • Reply • Share ›



**David Raasch** → David Raasch

• a year ago

Figured it out. IE 8 and lower do not know what `.indexOf` is. I found the fix here:

<http://stackoverflow.com/quest...>

Applied it to your demo and now it's pulling in the guitarID's just fine.

Thanks for the tutorials !!



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**Hafiz Faraz Mukhtar** → David  
Raasch • a year ago

wow thats wonderful. I'm updating this tutorial with your solution and putting your name next to it.  
Thanks for pointing it out.

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**Shahzad Ashraf** • a year ago

sir i am not getting the \$routeParams??why is it not used in guitarcontroller??and only used in 2nd controller???

^ | v • Reply • Share ›



**Shahzad Ashraf** • a year ago

```
1.
var firstApp=angular.module("firstApp",['ngRoute',
'ngResource'])
.config(function ($routeProvider,$locationProvider)
{ .....}
)
```