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Call ASP.NET Web API from jQuery

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In this video we will discuss **how to call ASP.NET Web API Service using jQuery**.

When **"Get All Employees"** button is clicked we want to retrieve all the employees and display their fullname in unordered list. When **"Clear"** button is clicked we want to clear the employees from the list.

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- Mark Hastings
- Steve Pound
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```

<!DOCTYPE html>
<html>
<head>
  <title></title>
  <meta charset="utf-8" />
  <script src="Scripts/jquery-1.10.2.js"></script>
  <script type="text/javascript">
    $(document).ready(function () {
      var ulEmployees = $('#ulEmployees');
      $('#btn').click(function () {
        $.ajax({
          type: 'GET',
          url: "api/employees/",
          dataType: 'json',
          success: function (data) {
            ulEmployees.empty();
            $.each(data, function (index, val) {
              var fullName = val.FirstName + ' ' + val.LastName;
              ulEmployees.append('<li>' + fullName + '</li>');
            });
          }
        });
      });
      $('#btnClear').click(function () {
        ulEmployees.empty();
      });
    });
  </script>
</head>
</html>

```

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LINQ

LINQ to SQL

LINQ to XML

Entity Framework

```
});  
});  
</script>  
</head>  
<body>  
<div>  
  <input id="btn" type="button" value="Get All Employees" />  
  <input id="btnClear" type="button" value="Clear" />  
  <ul id="ulEmployees" />  
</div>  
</body>  
</html>
```

In our case both the client (i.e the HTML page that contains the ajax code) and the asp.net web api service are in the same project so it worked without any problem. If they are present in different projects then this wouldn't work.

In our next video we will discuss

- Why the AJAX call wouldn't work if the client and service are in different projects
- How to make it work

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12 comments:

**sanjeev mishra** October 12, 2016 at 6:01 AM

Hii Sir You are not using any method while calling webapi how its mapping which method call. ???

[Reply](#)[Replies](#)**Venkateshkumar Kanniyappan** March 8, 2017 at 7:24 PM

He is calling Web Api method api/Employee using GET. That means It will invoke HTTPGet Employee Action method.

[Reply](#)**Anonymous** December 16, 2016 at 12:27 PM

jQuery get method is being used to to call the webapi

[Reply](#)**Anonymous** February 14, 2017 at 9:11 AM

In web api http verb get is mapped to a method in specified controller that has the name get and in this way you need not to specify the function in ajax calling

[Reply](#)**Krishna Sh** March 20, 2017 at 9:09 AM

Hi sir, when i use same method in jquery am getting undefined value instead of employees details.
what's problem for this please let me know sir.

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Rajanikanth Reddy May 14, 2017 at 12:55 PM

if you have added new CamelCasePropertyNamesContractResolver() as ContractResolver use firstName and lastName

Reply

Anonymous November 30, 2017 at 3:50 AM

Am not getting the required data when i click the GetAllEmployee button is there any ajax is not working???

Reply



Unknown August 25, 2018 at 9:12 AM

I was getting "undefined value" as well but that issue was resolved after commenting "config.Formatters.JsonFormatter.SerializerSettings.ContractResolver = new CamelCasePropertyNamesContractResolver();" in WebApiConfig.cs file under App_Start folder.

Reply



Ays Sheeza September 29, 2018 at 10:52 AM

Yes Ajax call doesn't happen at all. Neither success nor error. Can you please help out.

Reply



Vishvaraj April 29, 2019 at 11:52 PM

Sir, If i click GetEmployees btn it shows nothing

Reply

Replies



Ahsan Habib May 2, 2019 at 5:17 AM

make sure to add jquery source

Reply

Anonymous June 23, 2019 at 11:52 PM

Sir, Why should we use Index (line 17) as a parameter within function?
intellisense on the index says: "index is declared but its value is never read."
With THANKS

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toilati123vn



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