المزيد

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Call web api service with basic authentication using jquery ajax

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In this video we will discuss **how to pass basic authentication credentials to the Web API service using jQuery AJAX**.

Depending on the credentials provided the web api service should authenticate and return the correct results. If female username and password are used only female employees should be returned. If male username and password are used only male employees should be returned.

Username : female   Password : ••••••

[Authenticate and Get Employees] [Clear]

- Mary Lambeth (Female)
- Valarie Vikings (Female)

If invalid username and password are used the service should return 401 Unauthorized message.

Username :   Password :

[Authenticate and Get Employees] [Clear]

- 401 : Unauthorized

HTML and jQuery code used in the demo. Copy and paste the following code in HtmlPage1.html in ClientApplication project.

```html
<!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');
```

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```javascript
$('#btn').click(function () {
    // Get the username & password from textboxes
    var username = $('#txtUsername').val();
    var password = $('#txtPassword').val();

    $.ajax({
        type: 'GET',
        // Make sure to change the port number to
        // where you have the employee service
        // running on your local machine
        url: 'http://localhost:35171/api/Employees',
        dataType: 'json',
        // Specify the authentication header
        // btoa() method encodes a string to Base64
        headers: {
            'Authorization': 'Basic ' + btoa(username + ':' + password)
        },
        success: function (data) {
            ulEmployees.empty();
            $.each(data, function (index, val) {
                var fullName = val.FirstName + ' ' + val.LastName;
                ulEmployees.append('<li>' + fullName + ' (' + val.Gender + ')</li>');
            });
        },
        complete: function (jqXHR) {
            if (jqXHR.status == '401') {
                ulEmployees.empty();
                ulEmployees.append('<li style="color:red">'
                    + jqXHR.status + ' : ' + jqXHR.statusText + '</li>');
            }
        }
    });
});

$('#btnClear').click(function () {
    ulEmployees.empty();
});
});
</script>
</head>
<body>
    Username : <input type="text" id="txtUsername" />
    Password : <input type="password" id="txtPassword" />
    <br /><br />
    <input id="btn" type="button" value="Authenticate and Get Employees" />
    <input id="btnClear" type="button" value="Clear" />
    <ul id="ulEmployees"></ul>
</body>
</html>
```

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3 comments:

Anonymous October 4, 2016 at 10:06 PM

What is token based authentication in web api?

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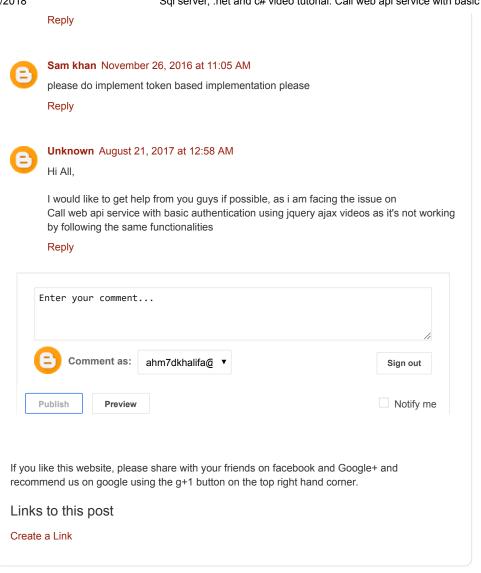
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Reply

Sam khan November 26, 2016 at 11:05 AM

please do implement token based implementation please

Reply

Unknown August 21, 2017 at 12:58 AM

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I would like to get help from you guys if possible, as i am facing the issue on
Call web api service with basic authentication using jquery ajax videos as it's not working
by following the same functionalities

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