This is a guide to how to perform a partial post back

There is an important aspect about partial post back you do have to understand, partial post back uses STATIC “Shared” functions/subs which means that that function has no connections or relation to the form itself which means if you want to access a textbox in the form it will not be accessible you have to pass it as part of the request or enable Session and use the session variable and this will be explained later

# Step 1 Setup

The JavaScript side,

You must include two JavaScript files

<script src="Scripts/jquery-3.3.1.min.js"></script>

<script src="Scripts/JSAdvanceUtility.js"></script>

First include is a jquery where we will use the function

Second include is our javascript utility file to use freely between the forms

# Step 2 Front End JS

JS Advance Utility explained

DO not use this ajax template feel free to make your own copy

Make sure the name highlighted in yellow is reflecting the backend passed value variable name

Graphical user interface, text, application

Description automatically generated

/\*\*

\* This Function is used to do partial post backs this is a shell copy and make your own copy out of it

\* DO NOT USE IT!

\* @param {any} formName the Form where the WebMethod Function resides

\* @param {any} VbFunction The Function header Name

\* @param {any} data the Data you wish to push over, array can be used...

\*/

function ajaxCall(formName, VbFunction, data) {

$.ajax({

type: "POST",

url: formName+"/"+VbFunction,

data: '{name: "' + data + '" }',

contentType: "application/json; charset=utf-8",

dataType: "json",

success: OnSuccessAlert,

failure: function (response) {

alert(response.d);

}

});

}

/\*\*

\* This function is the JS handling of the backend response

\* @param {any} response

\*/

function OnSuccessAlert(response) {

alert(response.d);

}

# Step 3 VB code

Graphical user interface, text, application

Description automatically generated

As you can see, we must put the tag <WebMethod> above the function name and it must have shared! Remember you can’t access the form members in a shared function

# Step 4 Putting everything together

.ASPX code

<script src="Scripts/jquery-3.3.1.min.js"></script>

<script src="Scripts/JSAdvanceUtility.js"></script>

<div>

Your Name :

<asp:TextBox ID="txtUserName" runat="server" ClientIDMode="Static"></asp:TextBox>

<input id="btnGetTime" type="button" value="Show Current Time"

onclick = "ajaxCall('Default.aspx','GetCurrentTime',document.getElementById('txtUserName').value)" />

</div>

.VB code

<System.Web.Services.WebMethod()>

Public Shared Function GetCurrentTime(ByVal name As String) As String

Return "Hello " & name & Environment.NewLine & "The Current Time is: " &

DateTime.Now.ToString()

End Function

For more info refer to the jQuery document

<https://api.jquery.com/jquery.ajax/>

snippet example with more details

<https://www.aspsnippets.com/Articles/Calling-ASPNet-WebMethod-using-jQuery-AJAX.aspx>

or Test the aJAX.aspx page on the project!