How to Display the Empty GridView in case of no Records in Database

In this article you will learn to display an empty GridView when there are no records in the database.

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Scenario

Consider a table named Employees with the columns Id, Name, Designation and Salary and you have been asked to display the data on a web page.

	Id	Name	Designation	Salary
1	1	Sahil Sharma	Software Developer	30000
2	2	Gursewak Singh	Team Lead	50000
3	3	Rahul Sharma	Sr. Software Developer	45000
4	4	Ram Singh	Trainee	18000
5	5	Ravi Gupta	Manager	65000

The requirement is quite simple and can be done using a Grid View. Now consider a case when your query fetches no data and there is nothing to display in the Grid View. In that case, we need to display a custom message or an alert to the user that there is no data available. There are several ways to do that but I will show you a simple method to do it.

Suppose we need to find the list of Employees with Salary < 10,000. If you look at the preceding table, it is clear that no employee have a Salary less than 10,000. So our query fetches nothing for the Grid View.

In that case, we need to show the empty Grid View with a message that the records are not available. To do that, we need to enable the Boolean property **ShowHeaderWhenEmpty** to **True**. Be sure you're using the ASP.NET 4.0 or later version to use this property.

Code

The following is the **EmployeeDetails.aspx** page:

```
 Language="C#" AutoEventWireup="true" CodeBehind="EmployeeDetails.aspx.cs" Inherits="GridView.EmployeeDetails" %>
  html>

s="http://www.w3.org/1999/xhtml">
 runat="server">
title>Employee Details</title>
ad>
/>
form id="form1" runat="server">
    <div>
        <h3>Employee Details</h3>
        <asp:GridView ID="gvEmployee" runat="server"
         AutoGenerateColumns="False" ShowHeaderWhenEmpty="True">
            <Columns>
                <asp:BoundField DataField="Id" HeaderText="Id" />
                <asp:BoundField DataField="Name" HeaderText="Name" />
                <asp:BoundField DataField="Designation" HeaderText="Designation" />
                <asp:BoundField DataField="Salary" HeaderText="Salary"  />
            </Columns>
```
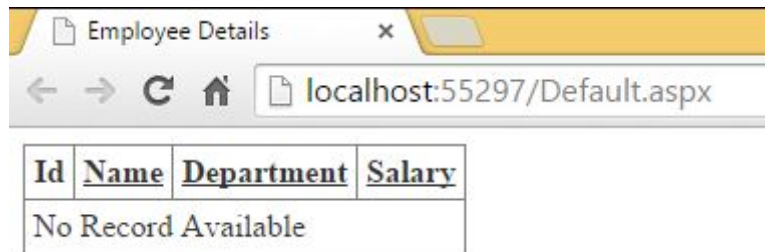
```
            <EmptyDataTemplate>No Record Available</EmptyDataTemplate>
        </asp:GridView>
    </div>
</form>
iy>
```

In the **EmployeeDetails.aspx.cs** page, we need to add a fix to check the condition if the Grid View is empty or not. I'm going to assign an empty DataTable to the grid view in case no records are fetched.

```
03.    using System.Configuration;
04.    using System.Data.SqlClient;
05.    using System.Linq;
06.    using System.Web;
07.    using System.Web.UI;
08.    using System.Web.UI.WebControls;
09.
10.    namespace GridView
11.    {
12.        public partial class EmployeeDetails: System.Web.UI.Page
13.        {
14.            protected void Page_Load(object sender, EventArgs e)
15.            {
16.                string connect = ConfigurationManager.ConnectionStrings["SQLConnect"].ConnectionString;
17.                using(SqlConnection con = new SqlConnection(connect))
18.                {
19.                    var query = "SELECT * from Employees where Salary < 10000";
20.                    SqlCommand cmd = new SqlCommand(query, con);
21.                    con.Open();
22.                    SqlDataReader dr = cmd.ExecuteReader();
23.                    if (dr.hasRows)
24.                    {
25.                        gvEmployee.DataSource = dr;
26.                        gvEmployee.DataBind();
27.                    }
```

```
28.                else
29.                {
30.                    //Empty DataTable to execute the "else-condition"
31.                    DataTable dt = new Datatable();
32.                    gvEmployee.DataSource = dt;
33.                    gvEmployee.DataBind();
34.                }
35.            }
36.        }
37.    }
38. }
```

Id	Name	Department	Salary
No Record Available			

Conclusion

Your feedback and constructive criticism is always appreciated, keep it coming. Until then, try to put a ding in the universe!

Display Empty GridView   grid view   Gridview   GridView ASP.NET   No record available in database

Sahil Sharma *TOP 500*
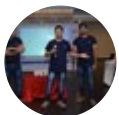
I write code for a living; sometime blogs about it.

http://isahilsharma.com/

444   2.1m   1

3   8

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nice

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Mar 26

8   55.7k   30.8m   1   1

thanks
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thanks guys
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Good one :)
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<EmptyDataTemplate> useful one.
Tom Mohan　　　　　　　　　　　　　　　　　　　　　　　　　　　Mar 23, 2015
509　3k　507.6k　　　　　　　　　　　　　　　　　1　　1　　Reply

Really! It's too useful for those who are in in .NET Technology **Tom Mohan**
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