

1.     Highlighting selected row

2.     Check/Uncheck all records using single checkbox.

3.     Highlight row on mouseover event.

To start with I have a GridView control with a header checkbox and checkbox for each individual record

<asp:GridView ID="GridView1" runat="server"  HeaderStyle-CssClass = "header"

AutoGenerateColumns = "false" Font-Names = "Arial"

OnRowDataBound = "RowDataBound"

Font-Size = "11pt" AlternatingRowStyle-BackColor = "#C2D69B" >

<Columns>

<asp:TemplateField>

    <HeaderTemplate>

      <asp:CheckBox ID="checkAll" runat="server" onclick = "checkAll(this);" />

    </HeaderTemplate>

   <ItemTemplate>

     <asp:CheckBox ID="CheckBox1" runat="server" onclick = "Check\_Click(this)" />

   </ItemTemplate>

</asp:TemplateField>

<asp:BoundField ItemStyle-Width="150px" DataField="CustomerID" HeaderText="CustomerID"  />

<asp:BoundField ItemStyle-Width="150px" DataField="City"

HeaderText="City" />

<asp:BoundField ItemStyle-Width="150px" DataField="Country"

HeaderText="Country"/>

<asp:BoundField ItemStyle-Width="150px" DataField="PostalCode"  HeaderText= "PostalCode"/>

</Columns>

</asp:GridView>

Above you will notice I am calling two JavaScript functions **checkAll** and **Check\_Click** which I have explained later. Also I have attached a **RowDataBound** event to the GridView to add mouseover event

**Highlight Row when checkbox is checked**

<script type = "text/javascript">

function Check\_Click(objRef)

{

    //Get the Row based on checkbox

    var row = objRef.parentNode.parentNode;

    if(objRef.checked)

    {

        //If checked change color to Aqua

        row.style.backgroundColor = "aqua";

    }

    else

    {

        //If not checked change back to original color

        if(row.rowIndex % 2 == 0)

        {

           //Alternating Row Color

           row.style.backgroundColor = "#C2D69B";

        }

        else

        {

           row.style.backgroundColor = "white";

        }

    }

    //Get the reference of GridView

    var GridView = row.parentNode;

    //Get all input elements in Gridview

    var inputList = GridView.getElementsByTagName("input");

    for (var i=0;i<inputList.length;i++)

    {

        //The First element is the Header Checkbox

        var headerCheckBox = inputList[0];

        //Based on all or none checkboxes

        //are checked check/uncheck Header Checkbox

        var checked = true;

        if(inputList[i].type == "checkbox" && inputList[i] != headerCheckBox)

        {

            if(!inputList[i].checked)

            {

                checked = false;

                break;

            }

        }

    }

    headerCheckBox.checked = checked;

}

</script>

The above function is invoked when you check / uncheck a checkbox in GridView row

First part of the function highlights the row if the checkbox is checked else it changes the row to the original color if the checkbox is unchecked.

The Second part loops through all the checkboxes to find out whether at least one checkbox is unchecked or not.

If at least one checkbox is unchecked it will uncheck the Header checkbox else it will check it

**Check all checkboxes functionality**

<script type = "text/javascript">

function checkAll(objRef)

{

    var GridView = objRef.parentNode.parentNode.parentNode;

    var inputList = GridView.getElementsByTagName("input");

    for (var i=0;i<inputList.length;i++)

    {

        //Get the Cell To find out ColumnIndex

        var row = inputList[i].parentNode.parentNode;

        if(inputList[i].type == "checkbox"  && objRef != inputList[i])

        {

            if (objRef.checked)

            {

                //If the header checkbox is checked

                //check all checkboxes

                //and highlight all rows

                row.style.backgroundColor = "aqua";

                inputList[i].checked=true;

            }

            else

            {

                //If the header checkbox is checked

                //uncheck all checkboxes

                //and change rowcolor back to original

                if(row.rowIndex % 2 == 0)

                {

                   //Alternating Row Color

                   row.style.backgroundColor = "#C2D69B";

                }

                else

                {

                   row.style.backgroundColor = "white";

                }

                inputList[i].checked=false;

            }

        }

    }

}

</script>

The above function is executed when you click the Header check all checkbox When the Header checkbox is checked it highlights all the rows and checks the checkboxes in all rows.

And when unchecked it restores back the original color of the row and unchecks the checkboxes.

**Note:**

The check all checkboxes checks all the checkboxes only for the current page of the GridView and not all.

**Highlight GridView row on mouseover event**

<script type = "text/javascript">

function MouseEvents(objRef, evt)

{

    var checkbox = objRef.getElementsByTagName("input")[0];

   if (evt.type == "mouseover")

   {

        objRef.style.backgroundColor = "orange";

   }

   else

   {

        if (checkbox.checked)

        {

            objRef.style.backgroundColor = "aqua";

        }

        else if(evt.type == "mouseout")

        {

            if(objRef.rowIndex % 2 == 0)

            {

               //Alternating Row Color

               objRef.style.backgroundColor = "#C2D69B";

            }

            else

            {

               objRef.style.backgroundColor = "white";

            }

        }

   }

}

</script>

The above JavaScript function accepts the reference of the GridView Row and the event which has triggered it.

Then based on the event type if event is mouseover it highlights the row by changing its color to orange else if the event is mouseout it changes the row’s color back to its original before the event occurred.

The above function is called on the mouseover and mouseout events of the GridView row. These events are attached to the GridView Row on the RowDataBound events refer the code below

**C#**

protected void RowDataBound(object sender, GridViewRowEventArgs e)

{

    if (e.Row.RowType == DataControlRowType.DataRow )

    {

        e.Row.Attributes.Add("onmouseover","MouseEvents(this, event)");

        e.Row.Attributes.Add("onmouseout", "MouseEvents(this, event)");

    }

}

BUTTON TO MOVE RIGHT TO LEFT

**int** i = 0;

foreach (DataGridViewRow  row **in**  **this**.dataGridView1.Rows)

{

   //ck means CheckBox Column Name in Datagridview1

**if** (Convert.ToBoolean(row.Cells["ck"].Value) == **true**)

   {

      DataGridViewRow r = **new** DataGridViewRow();

      dataGridView2.Rows.Add(r);

      dataGridView2.Rows[i].Cells[0].Value = row.Cells[0].Value.ToString();

      dataGridView2.Rows[i].Cells[1].Value = row.Cells[1].Value.ToString();

     dataGridView2.Rows[i].Cells[2].Value = row.Cells[2].Value.ToString();

      i++;

   }

}