Search, Remove and Block user using jQuery DataTables Plugin

User Interface:

Search, Remove or block active users:

Show [▾] entries   Search: [   ]

First Name ▲	Last Name ⇕	Username ⇕	Action ⇕
Alberto	Ronan	albert	Block 🗑
Denis	Jorsen	denis	Block 🗑

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Step 1: Create the content page blockuser.aspx

Add the following code in the contentplaceholder having id="**maincontent**"

```
<div class="row">
    <div class="col-lg-12">
        <h2>Search and block active users:</h2>
    </div>
</div>

  <asp:GridView ID="gvs" CssClass="table table-striped table-bordered"
runat="server" AutoGenerateColumns="false">
    <Columns>
        <asp:BoundField DataField="firstname" HeaderText="First Name" />
        <asp:BoundField DataField="lastname" HeaderText="Last Name" />
        <asp:BoundField DataField="username" HeaderText="Username" />

        <asp:TemplateField HeaderText="Action">
            <ItemTemplate>
<%-- Assign the User_Id to the link button --%>
                <asp:LinkButton ID="lnkblock" CssClass="btn btn-warning"
runat="server" CommandArgument='<%# Eval("  ") %>'>Block</asp:LinkButton>
            </ItemTemplate>
        </asp:TemplateField>
    </Columns>
  </asp:GridView>
```

Next add the following CSS in the contentplaceholder having id="**Headcontent**"

```
<style>
    #gvs {
        width:100%;
    }
    th {
        background: #494e5d;
        color: white;
    }
</style>
```

Step 2: Add the following code in the code-behind of the above file:

(i) To retrieve a list of active users:

```vb
Private ReadOnly _conString As String

  Public Sub New()
    _conString =
WebConfigurationManager.ConnectionStrings("MoviesCS").ConnectionString
  End Sub

  Private Sub getActiveUsers()
    Dim dbconn As New SqlConnection(_conString)
    Dim cmd As New SqlCommand()
    cmd.CommandType = CommandType.Text
    cmd.CommandText = "Select user_id, firstname, lastname, username from
tbluser where status=1"
    cmd.Connection = dbconn
    Dim da As New SqlDataAdapter(cmd)
    Dim dt As New DataTable()
    da.Fill(dt)
    gvs.DataSource = dt
    gvs.DataBind()
  End Sub
```

(ii) Generate a **click event** for the linkbutton to block user and change user status

```vb
'Retrieving the UserID from the command argument link button

    Dim dbconn As New SqlConnection(_conString)
    'open Connection
    dbconn.Open()
    'Create Command
    Dim ucmd As New SqlCommand()
    ucmd.CommandType = CommandType.Text
    ucmd.CommandText = "update tblUser set status='0' Where user_id ='" &
uid & "'"
    ucmd.Connection = dbconn
    ucmd.ExecuteNonQuery()
    dbconn.Close()
    getActiveUsers()
```
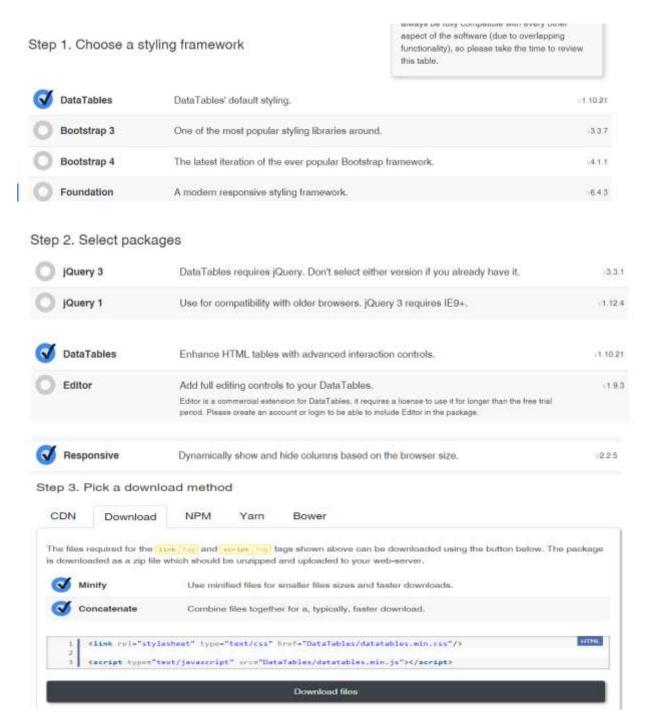
Step 3 or go to Step 4

Download jQuery Datatables plugin core files or use the CDN in Step 4.
Go to **http://datatables.net/download/index** to download the files.
Note: I downloaded the files already for you: datatables.zip

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Downloading and adding the Datatable CSS and JS libraries locally
Copy/paste the libraries in your Content and Scripts folders

Next, link the downloaded CSS files above, in your masterpage as follows:

```
<link href="content/jquery.dataTables.min.css" rel="stylesheet" />
<link href="content/dataTables.bootstrap.min.css" rel="stylesheet" />

<asp:ContentPlaceHolder ID="headcontent" runat="server">
</asp:ContentPlaceHolder>
```

Link the downloaded JS files above, in your masterpage as follows:

```
<script src='<%= ResolveClientUrl("~/scripts/jquery.dataTables.min.js")
%>'></script>
<script src='<%= ResolveClientUrl("~/scripts/dataTables.bootstrap.min.js")
%>'></script>

</body>
```

OR simply use the CDN versions below:

Step 4: Adding the Datatable CSS and JS libraries from a CDN
Copy the links below and add them in your MasterPage:

```
<link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-
1.10.21/datatables.min.css"/>

<script type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-
1.10.21/datatables.min.js"></script>
```

Your datatable CSS links should now appear in the following order

```
<link href="Content/bootstrap.min.css" rel="stylesheet" />
<link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-
1.10.21/datatables.min.css" />

<asp:ContentPlaceHolder ID="headcontent" runat="server">
</asp:ContentPlaceHolder>
```

Your datatable JS links should now appear in the following order:

```
<script src='<%= ResolveClientUrl("~/scripts/jquery.min.js") %>'></script>
<script type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-
1.10.21/datatables.min.js"></script>
<script src='<%= ResolveClientUrl("~/scripts/bootstrap.min.js") %>'></script>

</body>
```

Step 5: In the scripts folder, create the jquery file: datatablelib.js and add the following codes:

```
(function ($) {
    "use strict";

    $(document).ready(function () {
        //init dataTables
        $('#gvs').dataTable(
        {
            lengthChange: true,
            info: true,
            pageLength: 2
        });
    });
}(jQuery));
```

Step 6: In your master page

Add the **datatablelib.js** file right after the jquery library:

```
<script src='<%= ResolveClientUrl("~/scripts/datatablelib.js") %>'></script>
```

Step 7: To set accessibility attributes for the GridView:

Generate the **PreRender** event for the GridView and add the following codes:

```
If (gvs.Rows.Count > 0) Then
        'This replaces <td> with <th> and adds the scope attribute
        gvs.UseAccessibleHeader = True

        'This will add the <thead> and <tbody> elements
        gvs.HeaderRow.TableSection = TableRowSection.TableHeader

End If
```

Troubleshoot:

Set ClientIDMode to static for the GridView