

## 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	<div>Block</div> <div></div>
Denis	Jorsen	denis	<div>Block</div> <div></div>

Showing 1 to 2 of 8 entries

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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:

```
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

'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](#)

Step 1. Choose a styling framework

always use any component with every other aspect of the software (due to overlapping functionality), so please take the time to review this table.

<input checked="" type="radio"/>	<b>DataTables</b>	DataTables' default styling.	v1.10.21
<input type="radio"/>	<b>Bootstrap 3</b>	One of the most popular styling libraries around.	v3.3.7
<input type="radio"/>	<b>Bootstrap 4</b>	The latest iteration of the ever popular Bootstrap framework.	v4.1.1
<input type="radio"/>	<b>Foundation</b>	A modern responsive styling framework.	v6.4.3

Step 2. Select packages

<input type="radio"/>	<b>jQuery 3</b>	DataTables requires jQuery. Don't select either version if you already have it.	v3.3.1
<input type="radio"/>	<b>jQuery 1</b>	Use for compatibility with older browsers. jQuery 3 requires IE9+.	v1.12.4
<input checked="" type="radio"/>	<b>DataTables</b>	Enhance HTML tables with advanced interaction controls.	v1.10.21
<input type="radio"/>	<b>Editor</b>	Add full editing controls to your DataTables. Editor is a commercial extension for DataTables, it requires a license to use it for longer than the free trial period. Please create an account or login to be able to include Editor in the package.	v1.9.3
<input checked="" type="radio"/>	<b>Responsive</b>	Dynamically show and hide columns based on the browser size.	v2.2.5

Step 3. Pick a download method

CDN Download NPM Yarn Bower

The files required for the `<link>` and `<script>` tags shown above can be downloaded using the button below. The package is downloaded as a zip file which should be unzipped and uploaded to your web-server.

☒ **Minify** Use minified files for smaller files sizes and faster downloads.

☒ **Concatenate** Combine files together for a, typically, faster download.

```
1 <link rel="stylesheet" type="text/css" href="DataTables/datatables.min.css"/>
2
3 <script type="text/javascript" src="DataTables/datatables.min.js"></script>
```

Download files

## 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