

Subsemnata Andra – Elena N. Paduraru declara pe propria raspundere ca acest cod nu a fost copiat din Internet sau din alte surse. Pentru documentare am folosit urmatoarele surse:

Link-uri:

<https://profs.info.uaic.ro/~iasimin/Laborator%20C%20S%20H/Laborator%20WCF%202020.pdf>

<https://profs.info.uaic.ro/~iasimin/Laborator%20C%20S%20H/Laborator1-2016.pdf>

<https://stackoverflow.com/questions/8986975/c-sharp-return-different-types>

<https://www.c-sharpcorner.com/UploadFile/mahesh/create-a-text-file-in-C-Sharp/>

<https://stackoverflow.com/questions/34851800/export-data-from-sql-server-to-text-file-in-c-sharpsaving-to-a-specific-folder>

<https://www.aspsnippets.com/Articles/Export-data-from-SQL-Server-to-Text-file-in-C-andVBNet.aspx>

<https://stackoverflow.com/questions/6062192/there-is-already-an-open-datareader-associated-with-thiscommand-which-must-be-c>

<https://stackoverflow.com/questions/18475195/error-there-is-already-an-open-datareader-associatedwith-this-command-which-mu/18475525>

<https://docs.microsoft.com/en-us/dotnet/api/system.data.sqlclient.sqlparametercollection.addwithvalue?view=netframework-4.8>

<https://stackoverflow.com/questions/1132422/open-a-folder-using-process-start>

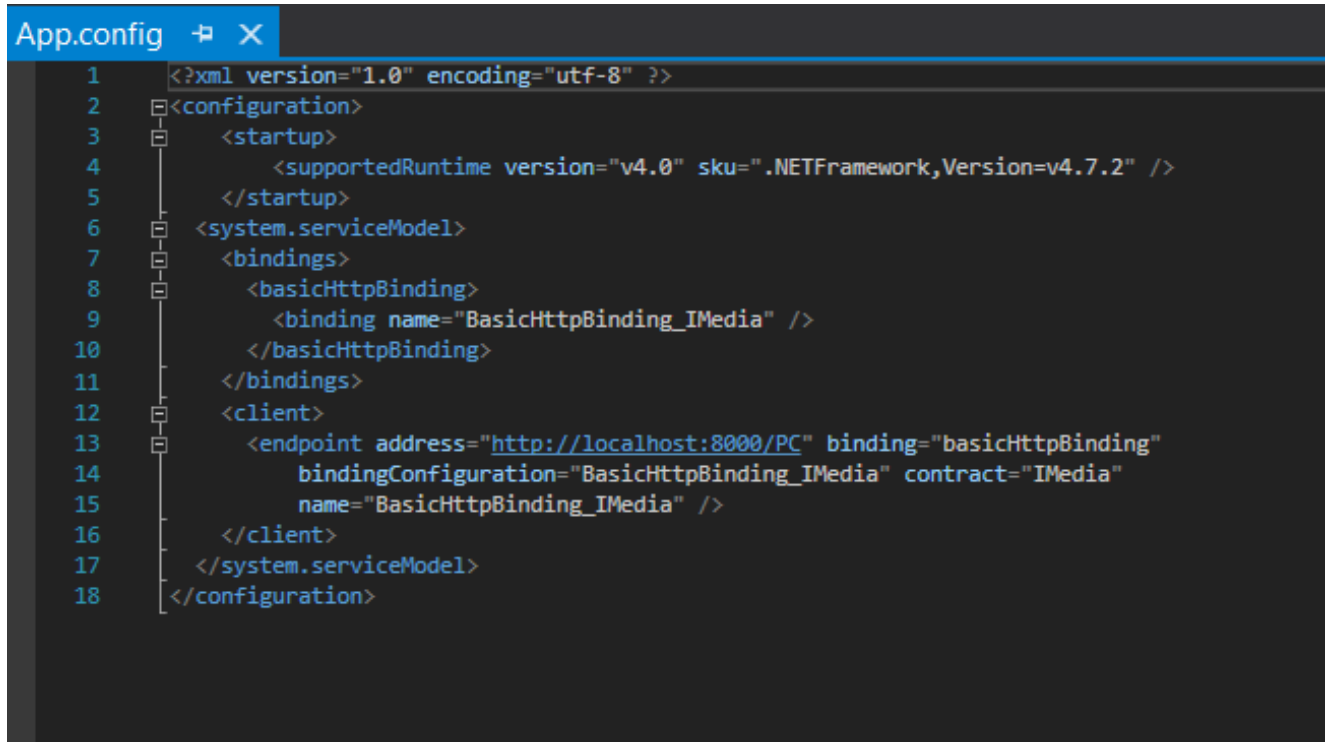
<https://docs.microsoft.com/en-us/dotnet/framework/winforms/controls/how-to-bind-data-to-thewindows-forms-datagridview-control>

<https://stackoverflow.com/questions/27874566/getting-values-from-sql-reader-c-sharp>

<https://forums.asp.net/t/1794939.aspx?How+to+read+output+of+sql+command+C+>

Client:

S-a folosit GUI de la proiectul 1. A fost creat app.config si proxy.cs care arata in felul urmator:



```
1  <?xml version="1.0" encoding="utf-8" ?>
2  <configuration>
3  <startup>
4      <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.7.2" />
5  </startup>
6  <system.serviceModel>
7      <bindings>
8          <basicHttpBinding>
9              <binding name="BasicHttpBinding_IMedia" />
10         </basicHttpBinding>
11     </bindings>
12     <client>
13         <endpoint address="http://localhost:8000/PC" binding="basicHttpBinding"
14             bindingConfiguration="BasicHttpBinding_IMedia" contract="IMedia"
15             name="BasicHttpBinding_IMedia" />
16     </client>
17 </system.serviceModel>
18 </configuration>
```

```
proxy.cs
Miscellaneous Files
IMedia

66 [System.Diagnostics.DebuggerStepThroughAttribute()]
67 [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
68 public partial class MediaClient : System.ServiceModel.ClientBase<IMedia>, IMedia
69 {
70
71     public MediaClient()
72     {
73     }
74
75     public MediaClient(string endpointConfigurationName) :
76         base(endpointConfigurationName)
77     {
78     }
79
80     public MediaClient(string endpointConfigurationName, string remoteAddress) :
81         base(endpointConfigurationName, remoteAddress)
82     {
83     }
84
85     public MediaClient(string endpointConfigurationName, System.ServiceModel.EndpointAddress remoteAddress) :
86         base(endpointConfigurationName, remoteAddress)
87     {
88     }
89
90     public MediaClient(System.ServiceModel.Channels.Binding binding, System.ServiceModel.EndpointAddress remoteAddress) :
91         base(binding, remoteAddress)
92     {
93     }
94
95     public void SaveMedia(string path, string events, string persons, string peisaj, string locatie, string altele, System.DateTime creationDate)
96     {
97         base.Channel.SaveMedia(path, events, persons, peisaj, locatie, altele, creationDate);
98     }
99
100     public System.Threading.Tasks.Task SaveMediaAsync(string path, string events, string persons, string peisaj, string locatie, string altele, System.DateTime creationDate)
101     {
102         return base.Channel.SaveMediaAsync(path, events, persons, peisaj, locatie, altele, creationDate);
103     }
104
105     public void DeleteMedia(string path)
106     {
107         base.Channel.DeleteMedia(path);
108     }
109
110     public System.Threading.Tasks.Task DeleteMediaAsync(string path)
111     {
112         return base.Channel.DeleteMediaAsync(path);
113     }
114
115     public object ShowGridData()
116     {
117         return base.Channel.ShowGridData();
118     }
119
120     public System.Threading.Tasks.Task<object> ShowGridDataAsync()
121     {
122         return base.Channel.ShowGridDataAsync();
123     }
124 }
```

71 % No issues found

În urma modificării GUI prin adăugarea instanței clasei `MediaClient` codul arată în felul următor, exemplu:

```
namespace GUI
{
    public partial class Form1 : Form
    {
        MediaClient newMediaClient = new MediaClient();
        string imgLocation = "";
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
        }

        private void buttonAdd_Click(object sender, EventArgs e)
        {
            try
            {
                OpenFileDialog fileDialog = new OpenFileDialog();
                fileDialog.Filter = "JPG Files (*.jpg)|*.jpg|GIF Files (*.gif)|*.gif|PNG Files (*.png)|*.png|MP4 Files (*.mp4)|*.mp4|All Files (*.*)|*.*";
                fileDialog.Title = "Select Media";
                if (fileDialog.ShowDialog() == DialogResult.OK)
                {
                    imgLocation = Path.GetFullPath(fileDialog.FileName.ToString());
                    pictureBox.ImageLocation = imgLocation;
                }
            }
            catch (Exception except)
            {
                MessageBox.Show(except.Message);
            }
        }

        private void buttonSave_Click(object sender, EventArgs e)
        {
            byte[] img = null;
            FileStream fs = new FileStream(imgLocation, FileMode.Open, FileAccess.Read);
            BinaryReader br = new BinaryReader(fs);
            img = br.ReadBytes((int)fs.Length);
            newMediaClient.SaveMedia(imgLocation, textBoxEvent.Text, textBoxPerson.Text, textBoxPeisaj.Text, textBoxLoc.Text, textBoxAltele.Text, dateTimePicker1.Value.Date);
        }

        private void buttonDelete_Click(object sender, EventArgs e)
        {
            string pathToDelete = textBoxDeleteEditPath.Text;
            newMediaClient.DeleteMedia(pathToDelete);
        }
    }
}
```

```
private void buttonEdit_Click(object sender, EventArgs e)
{
    string pathForEdit = textBoxDeleteEditPath.Text;
    string editEvent = textBoxDeleteEditEvent.Text;
    string editPerson = textBoxDeleteEditPerson.Text;
    string editPeisaj = textBoxDeleteEditPeisaj.Text;
    string editLoc = textBoxDeleteEditLoc.Text;
    string editAltele = textBoxDeleteEditAltele.Text;

    newMediaClient.EditData(pathForEdit, editEvent, editPerson, editPeisaj, editLoc, editAltele);
}
```