

```
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10 using Oracle.ManagedDataAccess.Client;
11 //using System.Data.OracleClient;
12 //Add References inainte!
13
14 namespace Adapter_adaug_sterg_modific
15 {
16     public partial class Form1 : Form
17     {
18         public Form1()
19         {
20             InitializeComponent();
21         }
22
23         //DECLAR
24         OracleConnection conn;
25         OracleDataAdapter da;
26         DataSet ds;
27         OracleCommandBuilder comanda;
28         BindingSource bs1 = new BindingSource();
29
30         // AFISEZ
31         private void Form1_Load(object sender, EventArgs e)
32         {
33             try
34             {
35                 conn = new OracleConnection("DATA SOURCE=localhost:1521/xe;PASSWORD=student;PERSIST SECURITY INFO=True;USER ID = STUDENT");
36                 // conn = new OracleConnection("Data Source=xe;Persist Security Info = True; User ID = student; Password = student; Unicode = True");
37                 string strSQL = "SELECT * FROM TABELA1";
38                 da = new OracleDataAdapter(strSQL, conn);
39                 // ** Fill DataSet
40                 ds = new DataSet();
41                 da.Fill(ds, "tabela1");
42                 comanda = new OracleCommandBuilder(da);
43
44                 // bs1.DataSource = ds.Tables["tabela1"];
45                 // dataGridView1.DataSource = bs1;
46
47                 dataGridView1.DataSource = ds.Tables["tabela1"];
48
49                 dataGridView1.ReadOnly = true;
50
51             }
52             catch (OracleException sx)
```

```
53     {
54         label1.Text = "EROARE: " + sx.Message.ToString();
55     }
56 }
57
58 // AFISEZ (REFRESH)
59 private void button1_Click(object sender, EventArgs e)
60 {
61     try
62     {
63         conn = new OracleConnection("DATA SOURCE=localhost:1521/xe;PASSWORD=student;PERSIST SECURITY INFO=True;USER ID = STUDENT");
64         string strSQL = "SELECT * FROM TABELA1";
65         da = new OracleDataAdapter(strSQL, conn);
66         // ** Fill DataSet
67         ds = new DataSet();
68         da.Fill(ds, "tabela1");
69         OracleCommandBuilder comanda = new OracleCommandBuilder(da);
70         dataGridView1.DataSource = ds.Tables["tabela1"];
71         // MessageBox.Show("test");
72     }
73     catch (OracleException sx)
74     {
75         label1.Text = "EROARE: " + sx.Message.ToString();
76     }
77 }
78
79
80 // ADAUG
81 private void button2_Click(object sender, EventArgs e)
82 {
83     dataGridView1.ReadOnly = false;
84     DataRow Linie1 = ds.Tables["tabela1"].NewRow();
85     ds.Tables["tabela1"].Rows.Add(Linie1);
86 }
87
88
89 // STERG
90 private void button3_Click(object sender, EventArgs e)
91 {
92     dataGridView1.ReadOnly = false;
93     DialogResult dialog = MessageBox.Show("Doriti stergere?", "Stergere", MessageBoxButtons.YesNo);
94     if (dialog == DialogResult.Yes)
95     {
96         if (ds.Tables["tabela1"].Rows.Count > 0)
97         {
98             int rownum = (dataGridView1.CurrentCell.RowIndex);
99             DataRow Linie = ds.Tables["tabela1"].Rows[rownum];
100             Linie.Delete();
101             da.Update(ds.Tables["tabela1"]);
102             dataGridView1.ReadOnly = true;
103             label1.Text = "Sters";
104         }
105     }
106 }
```

```
106
107     }
108
109     // SALVEZ
110     private void button5_Click(object sender, EventArgs e)
111     {
112         try
113         {
114
115             da.Update(ds.Tables["tabela1"]);
116             ds.AcceptChanges(); //era doar aceasta linie!
117                                 // MessageBox.Show("OK");
118             label1.Text = "OK- Salvat";
119         }
120         catch
121         {
122             MessageBox.Show("Error- ....");
123         }
124
125         dataGridView1.ReadOnly = true;
126
127     }
128
129     // ABANDONEZ
130     private void button6_Click(object sender, EventArgs e)
131     {
132         ds.RejectChanges();
133         dataGridView1.ReadOnly = true;
134     }
135
136     //Permit MODIFICARE/ACTUALIZARE
137     private void button4_Click(object sender, EventArgs e)
138     {
139         dataGridView1.ReadOnly = false;
140
141     }
142 }
143 }
144
```