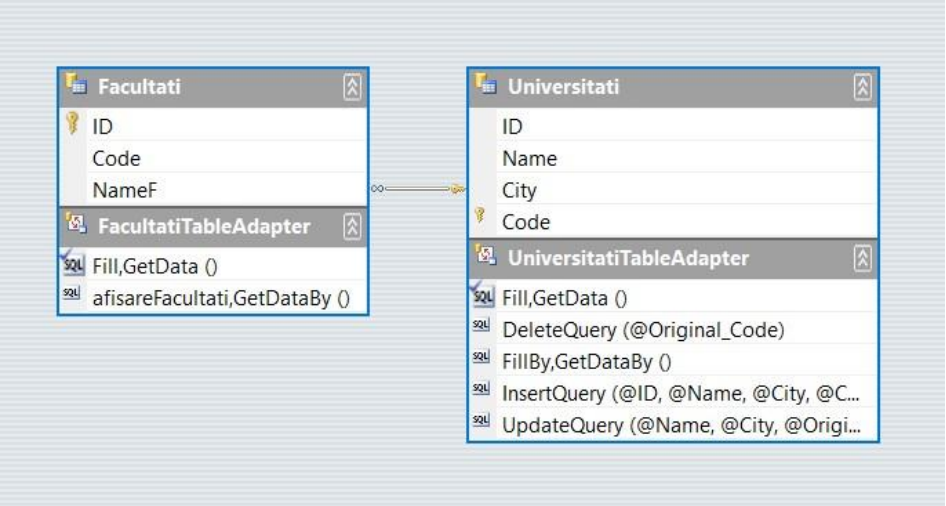
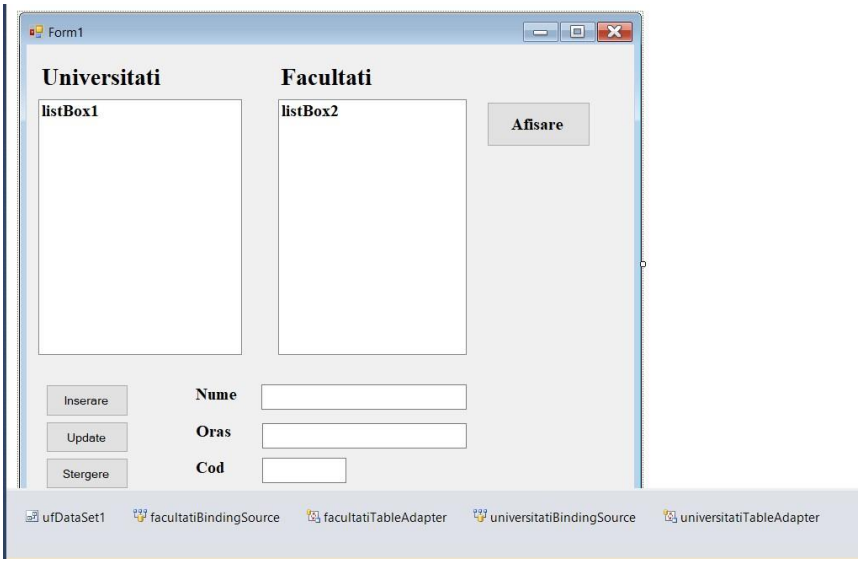
Tabele:



Forma prima parte:



Initializare forma:

```
Lab3_p1.Form1                                   button3_Click(ob

namespace Lab3_p1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            // TODO: This line of code loads data into the 'ufDataSet1.Univers
            this.universitatiTableAdapter.Fill(this.ufDataSet1.Universitati);
            // TODO: This line of code loads data into the 'ufDataSet1.Faculta
            this.facultatiTableAdapter.Fill(this.ufDataSet1.Facultati);

        }
```

Buton afisare:

```
private void button4_Click(object sender, EventArgs e)
{
    listBox1.Items.Clear();
    listBox2.Items.Clear();
    facultatiTableAdapter.afisareFacultati(ufDataSet1.Facultati);
    DataTable dt = ufDataSet1.Facultati;
    int i;
    for (i = 0; i < dt.Rows.Count; i++)
        listBox2.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Code"].ToString() + " "
            + dt.Rows[i]["NameF"].ToString().TrimEnd());
    universitatiTableAdapter.Fill(ufDataSet1.Universitati);
    dt = ufDataSet1.Universitati;
    for (i = 0; i < dt.Rows.Count; i++)
        listBox1.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Name"].ToString().TrimEnd()
            + " " + dt.Rows[i]["City"].ToString().TrimEnd() + " " + dt.Rows[i]["Code"].ToString());
}
```

Buton inserare:

```
private void button1_Click(object sender, EventArgs e)
{
    listBox1.Items.Clear();
    try
    {
        universitatiTableAdapter.Fill(ufDataSet1.Universitati);
        DataTable dt = ufDataSet1.Universitati;
        int x = int.Parse(dt.Rows[dt.Rows.Count - 1]["ID"].ToString()) + 1;
        universitatiTableAdapter.InsertQuery(x, textBox1.Text, textBox2.Text, int.Parse(textBox3.Text));
        universitatiTableAdapter.Fill(ufDataSet1.Universitati);
        dt = ufDataSet1.Universitati;
        int i;
        for (i = 0; i < dt.Rows.Count; i++)
            listBox1.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Name"].ToString().TrimEnd()
                + " " + dt.Rows[i]["City"].ToString().TrimEnd() + " " + dt.Rows[i]["Code"].ToString());
    }
    catch (Exception ex)
    {
        textBox3.Text = "Introduceti un numar.";
    }

}
```

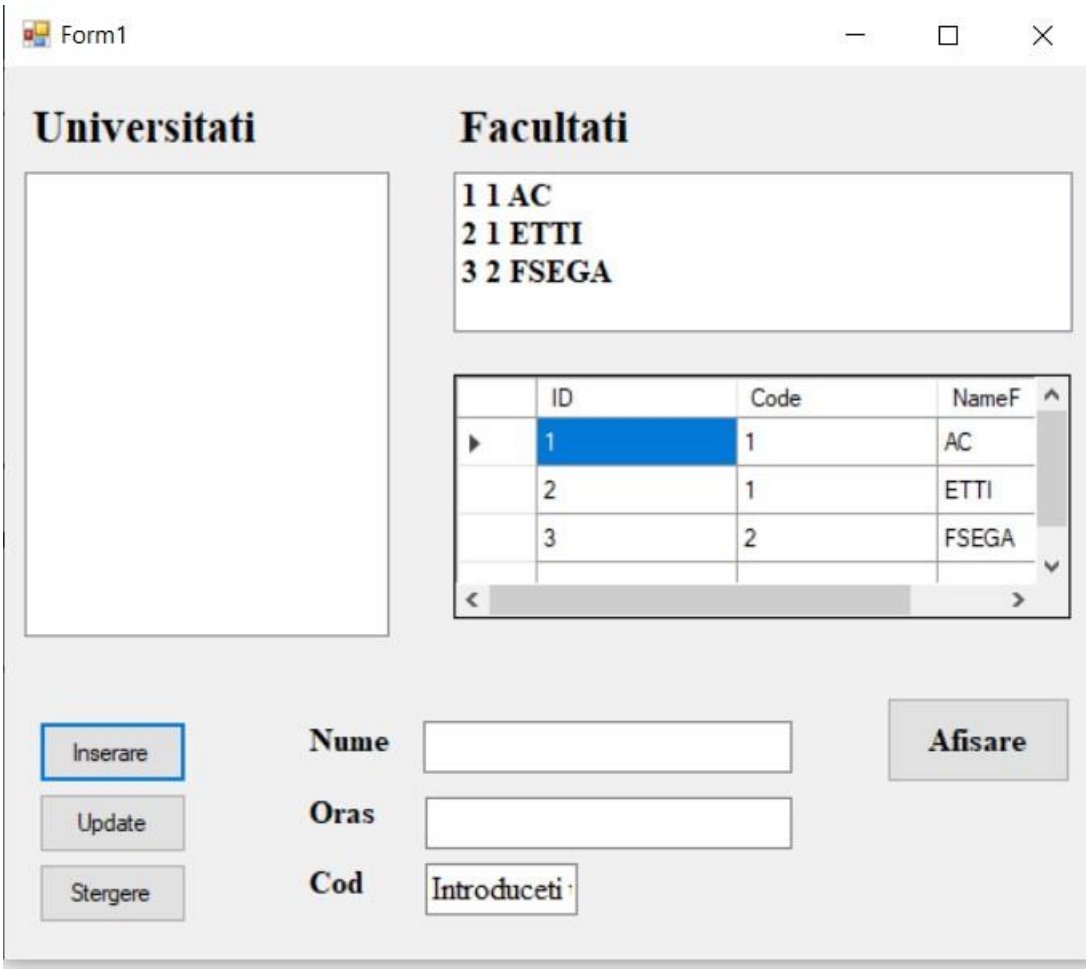
Buton update:

```
private void button2_Click(object sender, EventArgs e)
{
    listBox1.Items.Clear();
    try
    {
        universitatiTableAdapter.UpdateQuery(textBox1.Text, textBox2.Text, int.Parse(textBox3.Text),
            int.Parse(textBox3.Text));
        universitatiTableAdapter.Fill(ufDataSet1.Universitati);
        DataTable dt = ufDataSet1.Universitati;
        int i;
        for (i = 0; i < dt.Rows.Count; i++)
            listBox1.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Name"].ToString().TrimEnd()
                +  " " + dt.Rows[i]["City"].ToString().TrimEnd() + " " + dt.Rows[i]["Code"].ToString());
    }
    catch (Exception ex)
    {
        textBox3.Text = "Introduceti un numar.";
    }
}
```

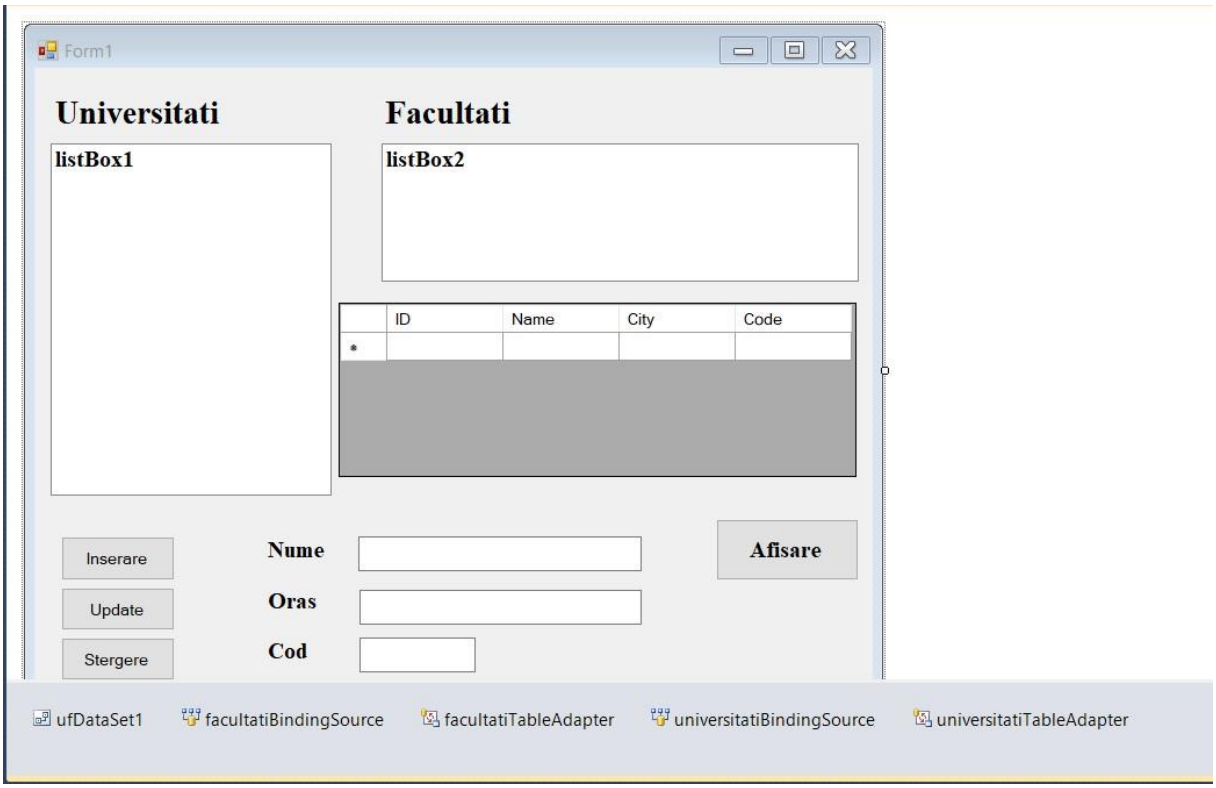
Buton stergere:

```
        private void button3_Click(object sender, EventArgs e)
        {
            listBox1.Items.Clear();
            try
            {
                universitatiTableAdapter.DeleteQuery(int.Parse(textBox3.Text));
                universitatiTableAdapter.Fill(ufDataSet1.Universitati);
                DataTable dt = ufDataSet1.Universitati;
                int i;
                for (i = 0; i < dt.Rows.Count; i++)
                    listBox1.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Name"].ToString().TrimEnd()
                        + " " + dt.Rows[i]["City"].ToString().TrimEnd() + " " + dt.Rows[i]["Code"].ToString());
            }
            catch (Exception ex)
            {
                textBox3.Text = "Introduceti un numar";
            }
        }
    }
}
```

Daca oferim date neconforme:



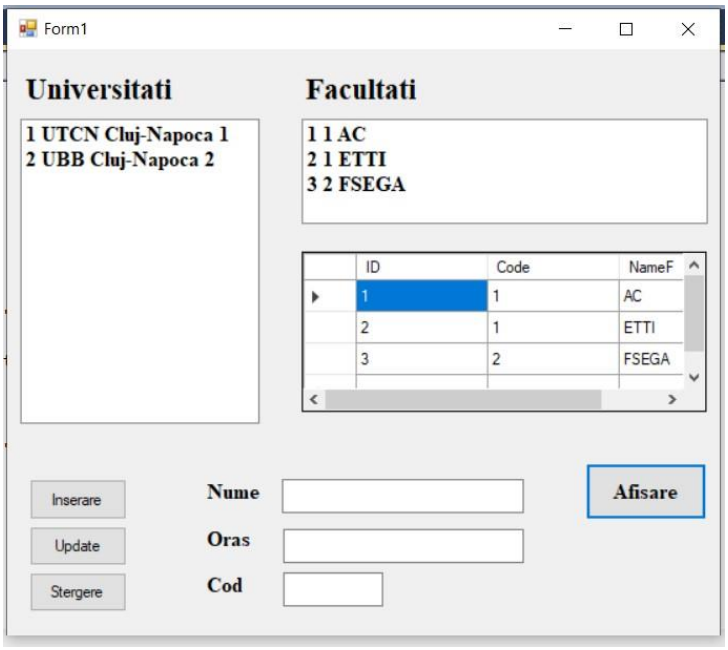
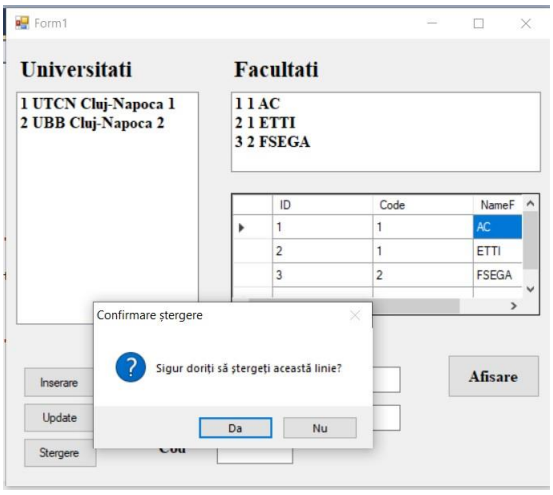
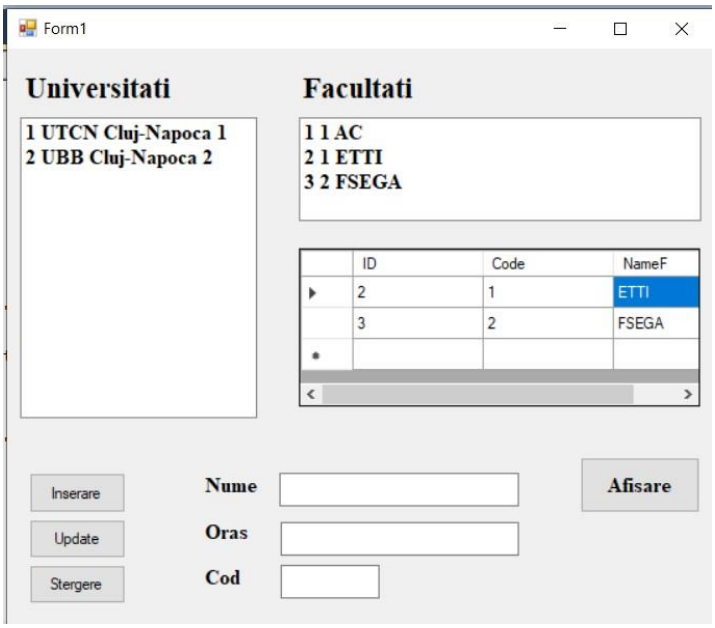
Forma a doua parte:



Afisare in GridView folosind butonul afisare:

```
private void button4_Click(object sender, EventArgs e)
{
    listBox1.Items.Clear();
    listBox2.Items.Clear();
    universitatiTableAdapter.Fill(ufDataSet1.Universitati);
    DataTable dt = ufDataSet1.Universitati;
    int i;
    for (i = 0; i < dt.Rows.Count; i++)
        listBox1.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Name"].ToString().TrimEnd()
            + " " + dt.Rows[i]["City"].ToString().TrimEnd() + " " + dt.Rows[i]["Code"].ToString());
    facultatiTableAdapter.afisareFacultati(ufDataSet1.Facultati);
    dt = ufDataSet1.Facultati;
    dataGridView1.DataSource = ufDataSet1.Facultati;
    for (i = 0; i < dt.Rows.Count; i++)
        listBox2.Items.Add(dt.Rows[i]["ID"].ToString() + " " + dt.Rows[i]["Code"].ToString() + " "
            + dt.Rows[i]["NameF"].ToString().TrimEnd());
}
```

Stergere din GridView:

```
private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
    DialogResult result = MessageBox.Show("Sigur doriți să ștergeți această linie?", "Confirmare ștergere",
        MessageBoxButtons.YesNo, MessageBoxIcon.Question);
    if (result == DialogResult.Yes)
            dataGridView1.Rows.RemoveAt(e.RowIndex);
}
```

Demonstratie: