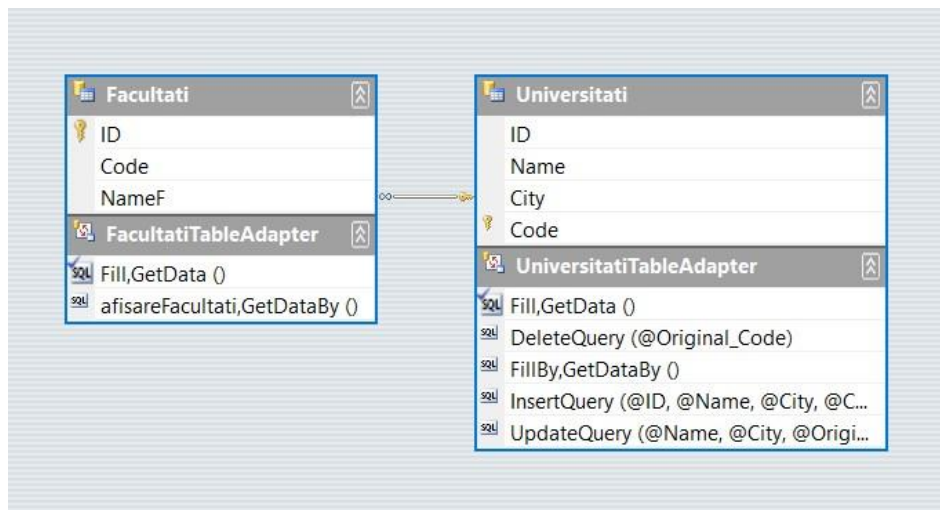


## Tabele:



## Forma prima parte:

The screenshot shows the first part of the application form, titled **Form1**. It features two list boxes: **listBox1** for **Universitati** and **listBox2** for **Facultati**. To the right of **listBox2** is a button labeled **Afisare**. Below the list boxes, there are three buttons: **Inserare**, **Update**, and **Stergere**. To the right of these buttons are three text boxes labeled **Nume**, **Oras**, and **Cod**. The bottom of the form shows the Windows Forms Designer's component tray, which includes **ufDataSet1**, **facultatiBindingSource**, **facultatiTableAdapter**, **universitatiBindingSource**, and **universitatiTableAdapter**.

## Initializare forma:

```
Lab3_p1.Form1 button3_Click(ot

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:

Form1

### Universitati

### Facultati

1 1 AC  
2 1 ETTI  
3 2 FSEGA

	ID	Code	NameF	
▶	1	1	AC	^
	2	1	ETTI	
	3	2	FSEGA	▼
<				>

Inserare

Update

Stergere

Nume

Oras

Cod

Introduceti

Afisare

## Forma a doua parte:

	ID	Name	City	Code
*				

## 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:

Form1

**Universitati**  
1 UTCN Cluj-Napoca 1  
2 UBB Cluj-Napoca 2

**Facultati**  
1 1 AC  
2 1 ETTI  
3 2 FSEGA

ID	Code	NameF
1	1	AC
2	1	ETTI
3	2	FSEGA

Inserare  
Update  
Stergere

Nume  
Oras  
Cod

Afisare

Form1

**Universitati**  
1 UTCN Cluj-Napoca 1  
2 UBB Cluj-Napoca 2

**Facultati**  
1 1 AC  
2 1 ETTI  
3 2 FSEGA

ID	Code	NameF
1	1	AC
2	1	ETTI
3	2	FSEGA

Confirmare ștergere  
? Sigur doriți să ștergeți această linie?  
Da Nu

Inserare  
Update  
Stergere

Nume  
Oras  
Cod

Afisare

Form1

**Universitati**  
1 UTCN Cluj-Napoca 1  
2 UBB Cluj-Napoca 2

**Facultati**  
1 1 AC  
2 1 ETTI  
3 2 FSEGA

ID	Code	NameF
2	1	ETTI
3	2	FSEGA
*		

Inserare  
Update  
Stergere

Nume  
Oras  
Cod

Afisare