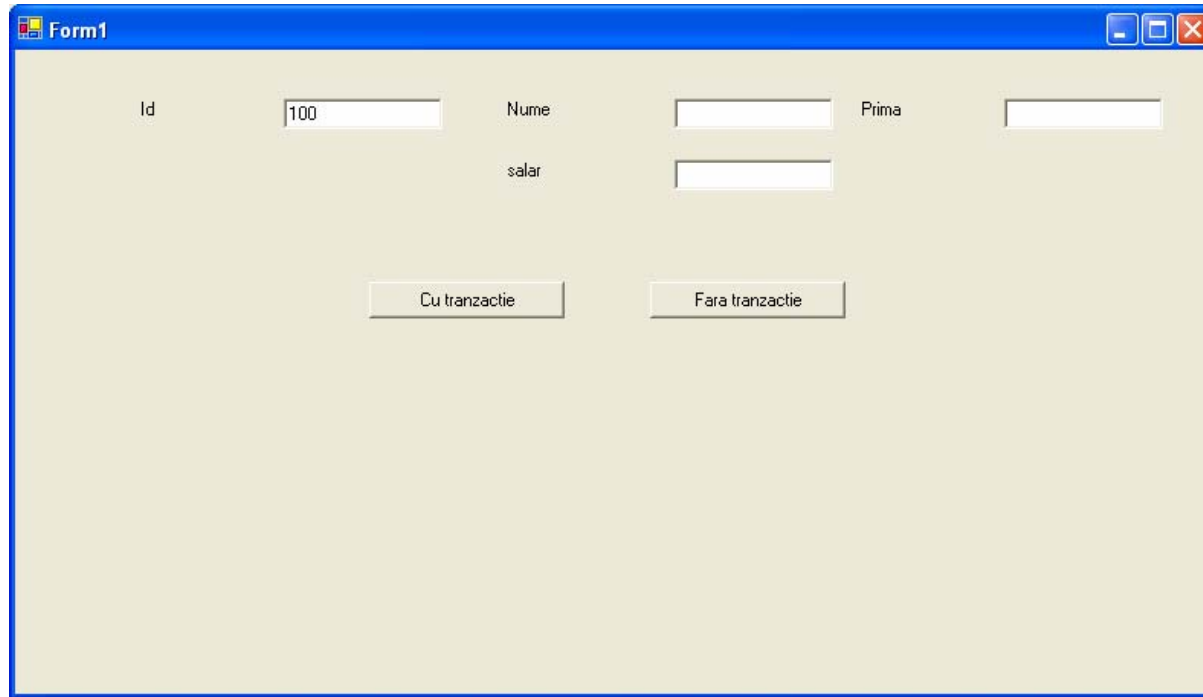


Tranzactii (utilizare programare pe partea de client):



The screenshot shows a Windows application window titled "Form1". The window has a light beige background and a blue title bar. Inside the window, there are four text input fields arranged in two rows. The first row contains "Id" with the value "100", "Nume", and "Prima". The second row contains "salar". Below the text boxes, there are two buttons: "Cu tranzactie" and "Fara tranzactie".

Buton 2 – Fara tranzactie:

```
private void button2_Click(object sender, System.EventArgs e)
{
    con.ConnectionString=conectionString;
    if(con.State != ConnectionState.Open)
    {
        con.Open();
    }

    try
    {
        OleDbParameter id = new OleDbParameter();
        OleDbParameter nume = new OleDbParameter();
        OleDbParameter salar = new OleDbParameter();
        OleDbParameter prima= new OleDbParameter();
```

```

        OleDbParameter id_2= new OleDbParameter();

string adaugare1 = "INSERT INTO tabel1 values(?,?,?)";
string adaugare2 = "INSERT INTO tabel2 values(?,?)";
        cm1 = new OleDbCommand(adaugare1, con);
        cm2 = new OleDbCommand(adaugare2, con);

        cm1.Parameters.Add(id);
        cm1.Parameters.Add(ume);
        cm1.Parameters.Add(salar);

        cm2.Parameters.Add(id_2);
        cm2.Parameters.Add(prima);

        id_2.Value=textBox1.Text;
        id.Value = textBox1.Text;
        ume.Value = textBox2.Text;
        salar.Value = textBox3.Text;
        prima.Value = textBox4.Text;

        cm2.ExecuteNonQuery();
        cm1.ExecuteNonQuery();
        //con.Close();
    }
    catch(OleDbException ex)
    {
        Debug.Assert(false, ex.ToString());
        //MessageBox.Show(ex.ToString());
    }
    finally
    {
        if(con.State != ConnectionState.Closed)
        {
            con.Close();
        }
    }
}
}

```

Buton 1 – Cu tranzactie:

```
private void button1_Click(object sender, System.EventArgs e)
{
    OleDbTransaction tran;
    con.ConnectionString=conectionString;
    if(con.State != ConnectionState.Open)
    {
        con.Open();
    }
    tran = con.BeginTransaction();

    try
    {
        OleDbParameter id = new OleDbParameter();
        OleDbParameter nume = new OleDbParameter();
        OleDbParameter salar = new OleDbParameter();
        OleDbParameter prima= new OleDbParameter();
        OleDbParameter id_2= new OleDbParameter();

        string adaugare1 = "INSERT INTO tabel1 values(?,?,?)";
        string adaugare2 = "INSERT INTO tabel2 values(?,?,?)";
        cm1 = new OleDbCommand(adaugare1, con, tran);
        cm2 = new OleDbCommand(adaugare2, con, tran);

        cm1.Parameters.Add(id);
        cm1.Parameters.Add(nume);
        cm1.Parameters.Add(salar);

        cm2.Parameters.Add(id_2);
        cm2.Parameters.Add(prima);

        id_2.Value=textBox1.Text;
        id.Value = textBox1.Text;
        nume.Value = textBox2.Text;
        salar.Value = textBox3.Text;
        prima.Value = textBox4.Text;

        cm2.ExecuteNonQuery();
        cm1.ExecuteNonQuery();

        tran.Commit();
    }
    catch(Exception ex)
    {
        MessageBox.Show(ex.Message.ToString());
        try

```

```
        {
            tran.Rollback();
        }
    catch (Exception exx)
    {
        MessageBox.Show(exx.ToString());
    }
}
finally
{
    if (con.State != ConnectionState.Closed)
    {
        con.Close();
        cm1.Dispose();
        cm2.Dispose();
    }
}
}
```