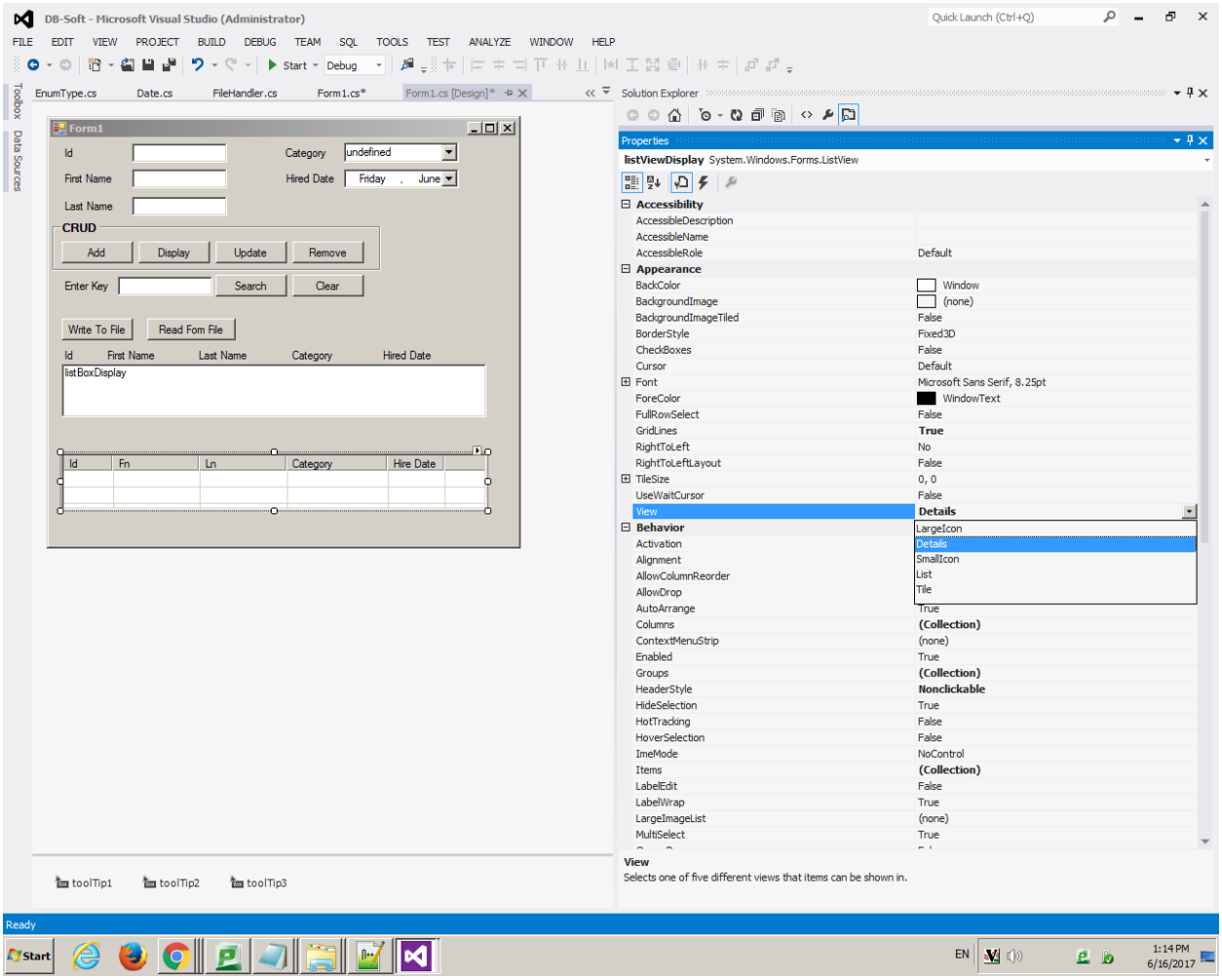
Part 01: ***Design-time***

– Setting the properties during design time-

To add a list view in the Windows Form, you have to set the 4 following ***properties***:

1- How to show the columns
Choose the property **View**, then choose **Details**



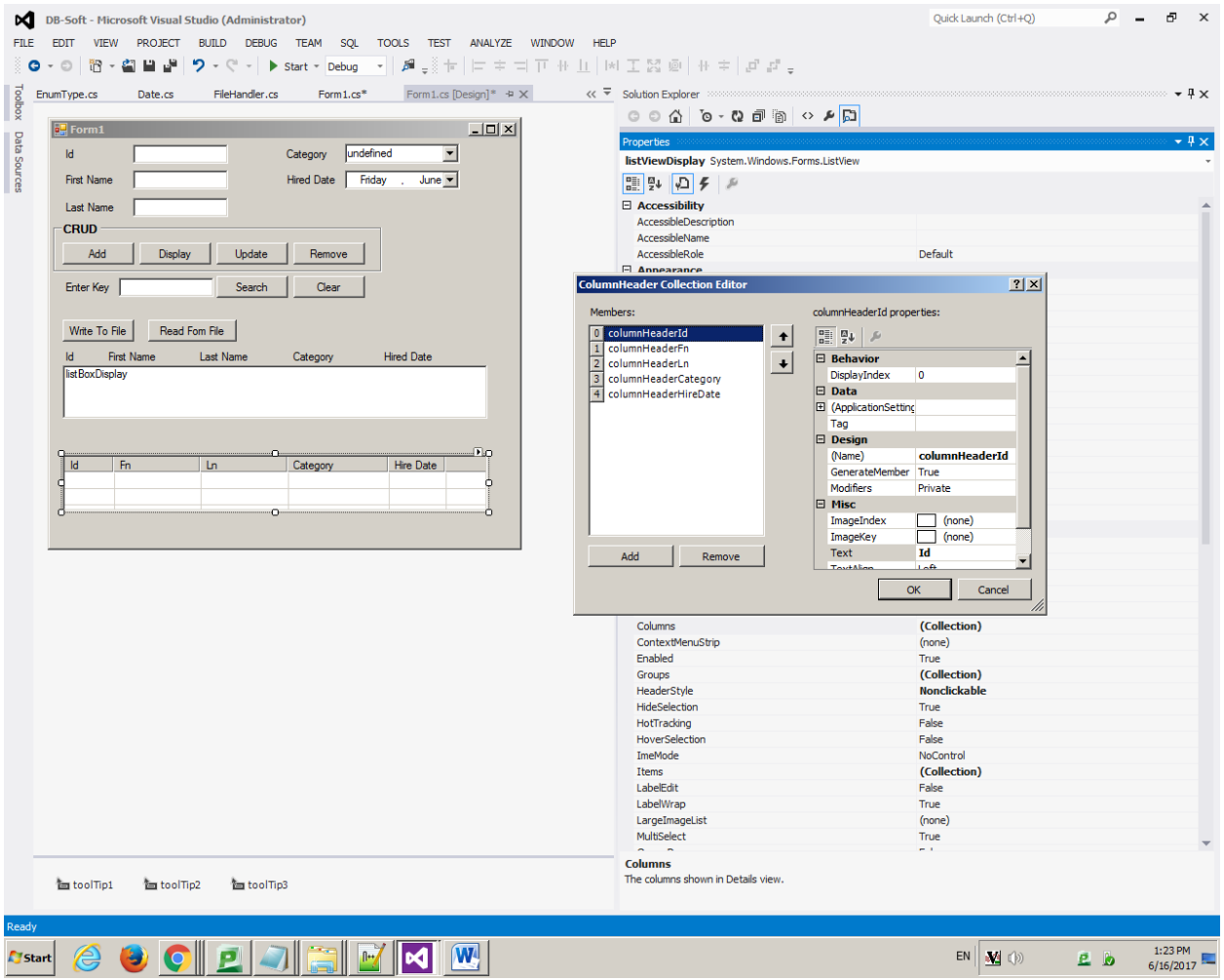
2- How to add the header

Choose the property **Columns**, then in the dialog box add a column and set the property **Name** and the property **Text**.

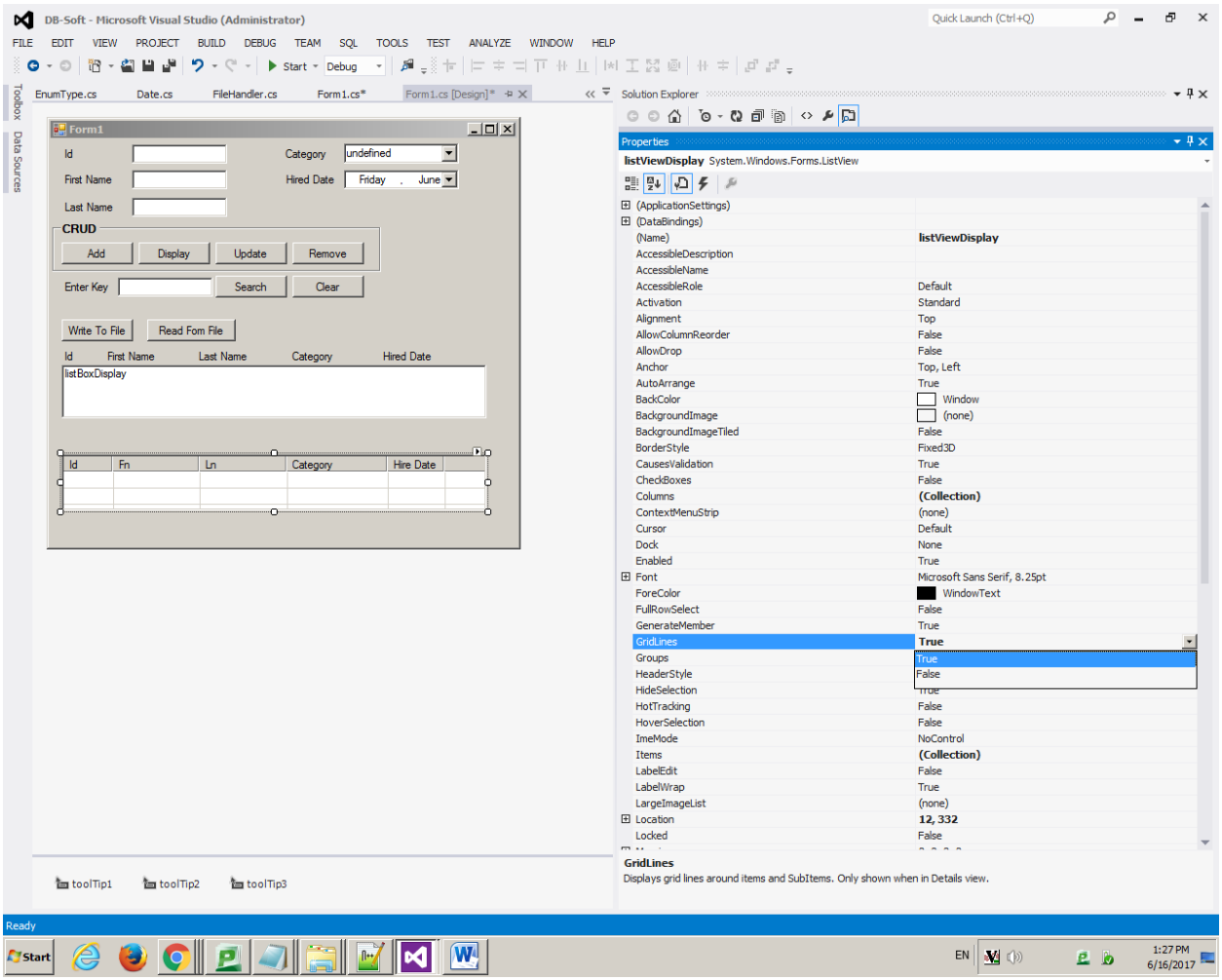
Example:

In the dialog box, click on the button Add : you will have a new header in the list of headers
Change the name of the header as follows:

Name: **ColumnHeader1** change it for **ColumnHeaderId**
Text : **Id** (this is the column that appears on the listView)

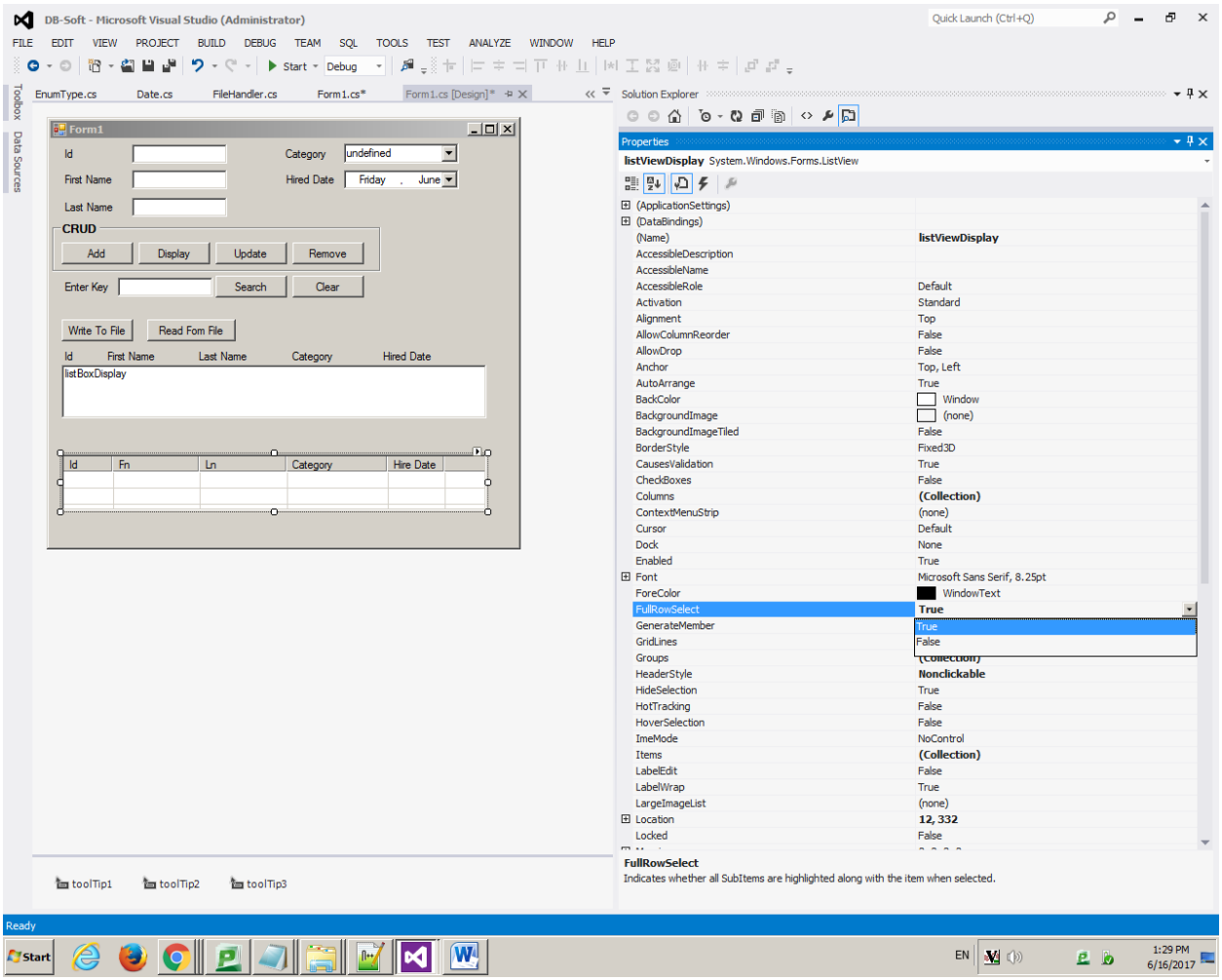


3- How to set the property **Gridlines** to **TRUE**:



4- How to select an item from the listView

Choose the property **FullRowSet** and choose **True**



Part II: run-time – source code

```
int index = -1;

public void DisplayListView()
{
            listViewDisplay.Items.Clear();

    foreach (Employee element in listOfEmployees)
    {
      ListViewItem anItem = new ListViewItem(Convert.ToString(element.Id));//key

        anItem.SubItems.Add(element.Fn);
        anItem.SubItems.Add(element.Ln);
        anItem.SubItems.Add(Convert.ToString(element.Category));
        anItem.SubItems.Add(Convert.ToString(element.HiredDate));

        listViewDisplay.Items.Add(anItem);
    }
}

public void DisplayListView(List<Employee> aListOfEmployees)
{
  listViewDisplay.Items.Clear();

    foreach (Employee element in aListOfEmployees)
    {
      ListViewItem anItem = new ListViewItem(Convert.ToString(element.Id));//key

        anItem.SubItems.Add(element.Fn);
        anItem.SubItems.Add(element.Ln);
        anItem.SubItems.Add(Convert.ToString(element.Category));
        anItem.SubItems.Add(Convert.ToString(element.HiredDate));
        listViewDisplay.Items.Add(anItem);
    }
}

 private void listViewDisplay_SelectedIndexChanged(object sender, EventArgs e)
 {
      // listView
      index = listViewDisplay.FocusedItem.Index;

                                  // listBox
                                        // index = listBoxDisplay.SelectedIndex;

}
```