


```
1 namespace ContactUsWF_App
2 {
3     class ContactUs
4     {
5         public string Name { get; set; }
6         public string PhoneNumber { get; set; }
7         public string Email { get; set; }
8         public string Subject { get; set; }
9         public string Description { get; set; }
10        public string Country { get; set; }
11        //public DateTime DueDateTime { get; set; }
12    }
13 }
14
```

```
1 using System;
2 using System.ComponentModel;
3 using System.Windows.Forms;
4
5 namespace ContactUsWF_App
6 {
7     public partial class Form1 : Form
8     {
9         //Supplying objects to a binding source
10         private BindingList<ContactUs> entries = new BindingList<ContactUs>();
11
12         public Form1()
13         {
14             InitializeComponent();
15
16             nameText.DataBindings.Clear();// Clear collection before any bindings
17             nameText.DataBindings.Add("Text", entriesSource, "Name", true,
18                                     DataSourceUpdateMode.OnPropertyChanged);
19             phoneNumber.DataBindings.Clear();// Clear collection before any
20             bindings
21             phoneNumber.DataBindings.Add("Text", entriesSource, "PhoneNumber",
22                                     true, DataSourceUpdateMode.OnPropertyChanged);
23             emailText.DataBindings.Clear();// Clear collection before any
24             bindings
25             emailText.DataBindings.Add("Text", entriesSource, "Email", true,
26                                     DataSourceUpdateMode.OnPropertyChanged);
27             subjectText.DataBindings.Clear();// Clear collection before any
28             bindings
29             subjectText.DataBindings.Add("Text", entriesSource, "Subject", true,
30                                     DataSourceUpdateMode.OnPropertyChanged);
31             countryText.DataBindings.Clear();// Clear collection before any
32             bindings
33             countryText.DataBindings.Add("Text", entriesSource, "Country", true,
34                                     DataSourceUpdateMode.OnPropertyChanged);
35             descriptionText.DataBindings.Clear();// Clear collection before any
36             bindings
37             descriptionText.DataBindings.Add("Text", entriesSource,
38                                     "Description", true, DataSourceUpdateMode.OnPropertyChanged);
39             //dueDatePicker.DataBindings.Add("Value", entriesSource, "DueDate",
40                                     true, DataSourceUpdateMode.OnPropertyChanged);
41
42             entriesSource.DataSource = entries;
43
44             CreateNewItem();
45         }
46         //Controls
47
48         private void CreateNewItem()
49         {
50             ContactUs newEntry = (ContactUs)entriesSource.AddNew();
51             newEntry.Name = "New name";
52             newEntry.PhoneNumber = "New phone Number";
```

```
41         newEntry.Email = "New email";
42         newEntry.Subject = "New subject";
43         newEntry.Description = "New message";
44         newEntry.Country = "New country";
45         entriesSource.ResetCurrentItem();
46         //newEntry.DueDate = DateTime.Now;
47     }
48
49     //Handling changes
50     private void entriesSource_ListChanged(object sender, ListChangedEventArgs e)
51     {
52         switch (e.ListChangedType)
53         {
54             case ListChangedType.ItemAdded:
55                 MakeListViewItemForNewEntry(e.NewIndex);
56                 break;
57             case ListChangedType.ItemDeleted:
58                 RemoveListViewItem(e.NewIndex);
59                 break;
60             case ListChangedType.ItemChanged:
61                 UpdateListViewItem(e.NewIndex);
62                 break;
63         }
64     }
65
66     //Adding new list items when new to-do entries appear
67     private void MakeListViewItemForNewEntry(int newItemIndex)
68     {
69         ListViewItem item = new ListViewItem(); //New ListViewItem create 1
70         item.SubItems.Add(""); // We added 5 more columns by repeating
71         item.SubItems.Add(""); // because we have 6 columns to view
72         item.SubItems.Add("");
73         item.SubItems.Add("");
74         item.SubItems.Add("");
75         entriesListView.Items.Insert(newItemIndex, item);
76     }
77
78     //Making list view items reflect changes
79     private void UpdateListViewItem(int itemIndex)
80     {
81         ListViewItem item = entriesListView.Items[itemIndex];
82         ContactUs entry = entries[itemIndex];
83
84         item.SubItems[0].Text = entry.Name;
85         item.SubItems[1].Text = entry.PhoneNumber;
86         item.SubItems[2].Text = entry.Email;
87         item.SubItems[3].Text = entry.Subject;
88         item.SubItems[4].Text = entry.Description;
89         item.SubItems[5].Text = entry.Country;
```

```
90
91     //item.SubItems[1].Text = entry.DueDate.ToShortDateString();
92 }
93
94 //Removing list view items for deleted entries
95 private void RemoveListViewItem(int deletedItemIndex)
96 {
97     entriesListView.Items.RemoveAt(deletedItemIndex);
98 }
99
100 private void newItemButton_Click(object sender, EventArgs e)
101 {
102     CreateNewItem();
103 }
104
105 private void deleteItemButton_Click(object sender, EventArgs e)
106 {
107     if (entriesListView.SelectedIndices.Count != 0)
108     {
109         int entryIndex = entriesListView.SelectedIndices[0];
110         entriesSource.RemoveAt(entryIndex);
111     }
112 }
113
114 private void entriesListView_SelectedIndexChanged(object sender, 
115     EventArgs e)
116 {
117     if (entriesListView.SelectedIndices.Count != 0)
118     {
119         int entryIndex = entriesListView.SelectedIndices[0];
120         entriesSource.Position = entryIndex;
121     }
122 }
123 }
124
```