# Practical – 4

**AIM:Create a webpage using Listbox control.**
**WebForm.aspx:**

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm.aspx.cs" Inherits="WebApplication12.WebForm" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title>ListBox Example</title>
   <style>
      .container {
         width: 600px;
         margin: auto;
         text-align: center;
         font-family: Arial, sans-serif;
      }
      .listbox-container {
         display: flex;
         justify-content: space-around;
         margin-top: 20px;
      }
      .buttons {
         display: flex;
         flex-direction: column;
         justify-content: center;
         margin: 10px;
      }
      .error { color: red; }
      .success { color: green; }
   </style>
</head>
<body>
   <form id="form1" runat="server">
      <div class="container">
         <h2>ListBox Example</h2>
         <div class="listbox-container">
            <!-- Left ListBox -->
```

```
        <div>
            <h3>Available Items</h3>
            <asp:ListBox ID="lstAvailable" runat="server"
SelectionMode="Multiple" Width="200px" Height="150px"></asp:ListBox>
        </div>
        <!-- Buttons -->
        <div class="buttons">
            <asp:Button ID="btnAdd" runat="server" Text=">> Add >>"
OnClick="btnAdd_Click" /><br />
            <asp:Button ID="btnRemove" runat="server" Text="<< Remove
<<" OnClick="btnRemove_Click" />
        </div>
        <!-- Right ListBox -->
        <div>
            <h3>Selected Items</h3>
            <asp:ListBox ID="lstSelected" runat="server"
SelectionMode="Multiple" Width="200px" Height="150px"></asp:ListBox>
        </div>
    </div>
    <br />
    <!-- Show Selected Button -->
    <asp:Button ID="btnShowSelected" runat="server" Text="Show
Selected Items" OnClick="btnShowSelected_Click" />
    <br /><br />
    <!-- Display Selected Items -->
    <asp:Label ID="lblSelectedItems" runat="server"
CssClass="success"></asp:Label>
   </div>
 </form>
</body>
</html>
```

**WebForm.aspx.cs:**
```
using System;
using System.Web.UI;
using System.Web.UI.WebControls;
```

```csharp
namespace WebApplication12
{
    public partial class WebForm : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                // Initialize ListBox with sample data
                lstAvailable.Items.Add(new ListItem("Apple"));
                lstAvailable.Items.Add(new ListItem("Banana"));
                lstAvailable.Items.Add(new ListItem("Cherry"));
                lstAvailable.Items.Add(new ListItem("Mango"));
                lstAvailable.Items.Add(new ListItem("Orange"));
            }
        }
        protected void btnAdd_Click(object sender, EventArgs e)
        {
            MoveItems(lstAvailable, lstSelected);
        }
        protected void btnRemove_Click(object sender, EventArgs e)
        {
            MoveItems(lstSelected, lstAvailable);
        }
        protected void btnShowSelected_Click(object sender, EventArgs e)
        {
            if (lstSelected.Items.Count > 0)
            {
                lblSelectedItems.Text = "Selected Items: " + string.Join(", ",
GetSelectedItems(lstSelected));
            }
            else
            {
                lblSelectedItems.Text = "No items selected.";
            }
        }
        private void MoveItems(ListBox source, ListBox target)
```
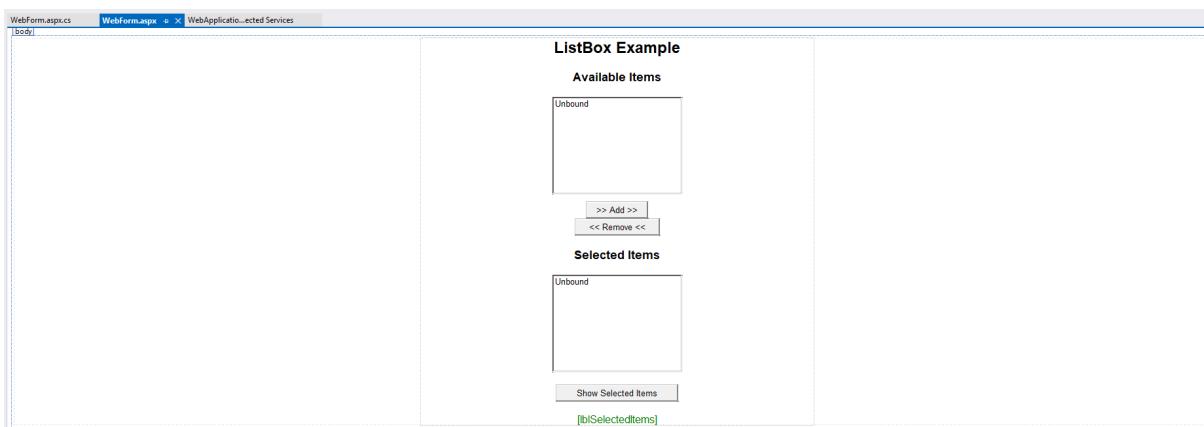
```
      {
        for (int i = source.Items.Count - 1; i >= 0; i--)
        {
          if (source.Items[i].Selected)
          {
            target.Items.Add(source.Items[i]);
            source.Items.RemoveAt(i);
          }
        }
      }
      private string[] GetSelectedItems(ListBox listBox)
      {
        string[] items = new string[listBox.Items.Count];
        for (int i = 0; i < listBox.Items.Count; i++)
        {
          items[i] = listBox.Items[i].Text;
        }
        return items;
      }
    }
  }
```

**Output:**

**ListBox Example**

**Available Items**

Banana
Cherry
Orange

>> Add >>

<< Remove <<

**Selected Items**

Apple
Mango

Show Selected Items

Selected Items: Apple, Mango

**Date of Submission:**  **Sign:**

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