[**[C#/ASP.NET]List<>中Sort()、Find()、FindAll()、Exist()的使用方法**](http://www.cnblogs.com/atree/archive/2011/02/25/Asp-Net_List_Sort_Find_FindAll_Exist.html)

[C#/ASP.NET]中List<T>真的非常好用。一个例子简单说明一下List<>中Sort()、Find()、FindAll()、Exist()的使用方法

简单介绍：

List<T>.Sort() → 排序T

List<T>.Find() → 找出一個T

List<T>.FindAll() →找出多個T

List<T>.Exist() →判斷T是否存在

 示例代码：

 页面文件GenericList.aspx

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18 | <%@ Page Language="C#" AutoEventWireup="true" CodeFile="GenericList.aspx.cs" Inherits="GenericList" %>    <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">    <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">      <title>GenericList</title>  </head>  <body>      <form id="form1" runat="server">      <div>          原始資料：          <asp:GridView ID="GridView1" runat="server">          </asp:GridView>      </div>      </form>  </body>  </html> |

后台代码文件GenericList.aspx.cs

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99  100  101  102 | using System;  using System.Collections.Generic;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;    public partial class GenericList : System.Web.UI.Page  {        protected void Page\_Load(object sender, EventArgs e)      {          List<Person> lstPerson = new List<Person>();          lstPerson.Add(new Person(1, "puma", 10));          lstPerson.Add(new Person(2, "F6 Team", 20));          lstPerson.Add(new Person(3, "ASP.NET", 30));          lstPerson.Add(new Person(4, "Dotblogs", 40));            //原始資料顯示在GridView上          this.GridView1.DataSource = lstPerson;          this.GridView1.DataBind();                //List<T>.Find()          //找出Name='puma'的Person          Response.Write("找出Name='puma'的Person→ ");          Response.Write(lstPerson.Find(delegate(Person p) { return p.Name == "puma"; }).ToString() + "<p>");                //List<T>.FindAll()          //找出Age>10的數目          Response.Write("找出Age>10的數目→ ");          Response.Write(lstPerson.FindAll(delegate(Person p) { return p.Age > 10; }).Count.ToString() + "<p>");                //List<T>.Exists()          //檢查Name='F6'是否存在          Response.Write("檢查Name='F6'是否存在→ ");          Response.Write(lstPerson.Exists(delegate(Person p) { return p.Name == "F6"; }).ToString() + "<p>");                //List<T>.Sort()          //依Name升冪排序          Response.Write("<p>依Name升冪排序↑<br/>");          lstPerson.Sort(delegate(Person p1, Person p2) { return Comparer<string>.Default.Compare(p1.Name, p2.Name); });          foreach (Person p in lstPerson)          {              Response.Write(p.ToString() + "<br/>");          }                //List<T>.Sort()          //依Name降冪排序          Response.Write("<p>依Name降冪排序↓<br/>");          lstPerson.Sort(delegate(Person p1, Person p2) { return Comparer<string>.Default.Compare(p2.Name, p1.Name); });          foreach (Person p in lstPerson)          {              Response.Write(p.ToString() + "<br/>");          }      }  }    public class Person  {      private int \_ID;      private string \_Name;      private int \_Age;        public Person(int ID, string Name, int Age)      {          \_ID = ID;          \_Name = Name;          \_Age = Age;      }        public int ID      {          set { \_ID = value; }          get { return \_ID; }      }        public string Name      {          set { \_Name = value; }          get { return \_Name; }      }        public int Age      {          set { \_Age = value; }          get { return \_Age; }      }        public override string ToString()      {          return string.Format("ID：{0}，Name：{1}，Age：{2}", \_ID, \_Name, \_Age);      }  } |

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