

Below is the form I programmed so that potential clients can contact me. Error handling is implemented in my code to ensure user enters data into the required fields. Also, the application will check to ensure the email is valid. A class called EmailVerify is used to check to make sure the email is legitimate. Page is located at the following URL:
<http://drakenology.com/Contact.aspx>

The screenshot shows a web page for Drakenology. At the top, there is a navigation menu with links: Home, Services, Contact, About, SampleWork, and SiteMap. Below the menu is a green banner with the Drakenology logo and the tagline "Providing quality technical consulting services to meet your needs". The main content area is divided into two columns. The left column contains a contact form titled "Contact Drakenology". The form includes a dropdown menu for "Category*", text input fields for "Name*", "Company", and "Phone (e.g. XXX-XXX-XXXX)", a text area for "Email *", and a larger text area for "Message*". There is also an "Attach File" section with a "Browse..." button and a "Submit" button. The right column contains a "Navigation Menu" with links to Home, Services, Contact, About, SampleWork, and SiteMap. Below that is an "Affiliate Partners" section listing various services like TheFreeCar, AuctionsPass, Download Music, AntiSpyware, LunarPages Hosting, and Site Build It. At the bottom of the right column is a "Wise Words" section with a quote by Frank Scully: "Why not go out on a limb? Isn't that where the fruit is?". The footer of the page contains copyright information for 2009 Drakenology, contact details, and the email address admin@drakenology.com.

Figure 1: This is the contact form I created using ASP.NET C#.

Below is the actual code that allows the contact page in Figure 1 to work properly.

```
using System;  
using System.Data;  
using System.Configuration;  
using System.Collections;  
using System.Web;  
using System.Web.Security;  
using System.Web.UI;  
using System.Web.UI.WebControls;  
using System.Web.UI.WebControls.WebParts;  
using System.Web.UI.HtmlControls;  
using System.Net.Mail;  
using System.Net;
```

```
using System.IO;
```

```
public partial class Contact : System.Web.UI.Page
```

```
{  
    protected void Page_Load(object sender, EventArgs e)  
    {  
        if (!Page.IsPostBack)  
        {  
            PopulateControls();  
            Utilities.TieButton(this.Page, cboCategoryID, cmdSubmit);  
            Utilities.TieButton(this.Page, txtCompany, cmdSubmit);  
            Utilities.TieButton(this.Page, txtEmail, cmdSubmit);  
            Utilities.TieButton(this.Page, txtMessage, cmdSubmit);  
            Utilities.TieButton(this.Page, txtName, cmdSubmit);  
            Utilities.TieButton(this.Page, txtPhone, cmdSubmit);  
        }  
    }  
  
    private void PopulateControls()  
    {  
        cboCategoryID.DataSource = CatalogAccess.SelectCategoryRecords();  
        cboCategoryID.DataTextField = "categoryName";  
        cboCategoryID.DataValueField = "categoryID";  
        cboCategoryID.DataBind();  
    }  
    protected void cmdSubmit_Click(object sender, EventArgs e)  
    {  
        if (Page.IsValid)  
        {  
            string categoryID = cboCategoryID.SelectedValue;  
            string name = txtName.Text;  
            string company = txtCompany.Text;  
            string phone = txtPhone.Text;  
            string email = txtEmail.Text;  
            string message = txtMessage.Text;  
  
            //retrieve the category name based on the category ID chosen.  
            string categoryName = CatalogAccess.GetCategoryName(categoryID);  
            string errDesc = "";  
  
            //handle upload attachment  
            string fileName = "";  
            if (uplFilename.HasFile)  
            {  
                fileName = uplFilename.FileName;  
                fileName = Server.MapPath(DrakeConfiguration.FileAttachmentFolder) + "\\\" + fileName;  
                uplFilename.SaveAs(fileName);  
            }  
  
            bool isEmailSent = TemplateEmails.isContactFormSent(categoryName, name,  
                company, phone, email, message, fileName, out errDesc);  
        }  
    }  
}
```

```

if (isEmailSent)
{
    //ClearForm();
    //el stands for email
    Response.Redirect("ContactConfirmed.aspx?status=" + Utilities.QueryStringEncode("1"));
}
else
{
    lblStatus.Text = "<p>Email failed to send. First, make sure your email address is " +
        "typed in correctly, then try your submission again.</p>";
    lblStatus.Text += "<p>If the error continues to occur please email us directly " +
        "at admin@drakenology.com to let us know the details of the error.</p>";
    lblStatus.Text += "<p>Error Details:<br> " + errDesc + "</p>";
}
}
}
protected void cvUplFilename_ServerValidate(object source, ServerValidateEventArgs args)
{
    string fName = "";
    try
    {
        int size = uplFilename.PostedFile.ContentLength;
        fName = uplFilename.FileName;
        if (size > DrakeConfiguration.AttachmentFileSizeLimit)
        {
            args.IsValid = false;
            //cvUplFilename.ErrorMessage = "File size must be less than " + DrakeConfiguration.FileSizeLimit;
            cvUplFilename.ErrorMessage = "Attached file size must be less than "
                + Utilities.CalculateMegaBytes(DrakeConfiguration.AttachmentFileSizeLimit) + " MB." +
                "The file you tried to upload is " + Utilities.CalculateMegaBytes(size) + " MB in size.";
        }
        else
        {
            string fileExt = Path.GetExtension(fName);
            if (fileExt == ".doc" || fileExt == ".txt" || fileExt == ".rtf" ||
                fileExt == ".pdf" || fileExt == ".jpg" || fileExt == ".gif")
            {
                args.IsValid = true;
            }
            else
            {
                cvUplFilename.ErrorMessage = "Attached file type must be .doc, .txt, .rtf, .pdf, .jpg, or .gif.";
                args.IsValid = false;
            }
        }
    }
    catch
    {
        args.IsValid = false;
        cvUplFilename.ErrorMessage = "Attached file not uploaded successfully. Please try again.";
    }
}

```

```
}
protected void cvValidEmail_ServerValidate(object source, ServerValidateEventArgs args)
{
    //not sure if needs this.might delete later.
    /*comment this whole group of code below:
    * comment this whole group of code above
    */
    string from = DrakeConfiguration.ErrorLogEmail;
    string to = args.Value;
    //string errDesc = "";

    bool isEmailSent = Utilities.IsEmailLegit(to);
    if (isEmailSent)//email sent successfully...
    {
        args.IsValid = true;
    }
    else//email not sent successfully...
    {
        args.IsValid = false;
    }

    //comment piece of code below when move to production environment.
    //args.IsValid = true;
}
}
```