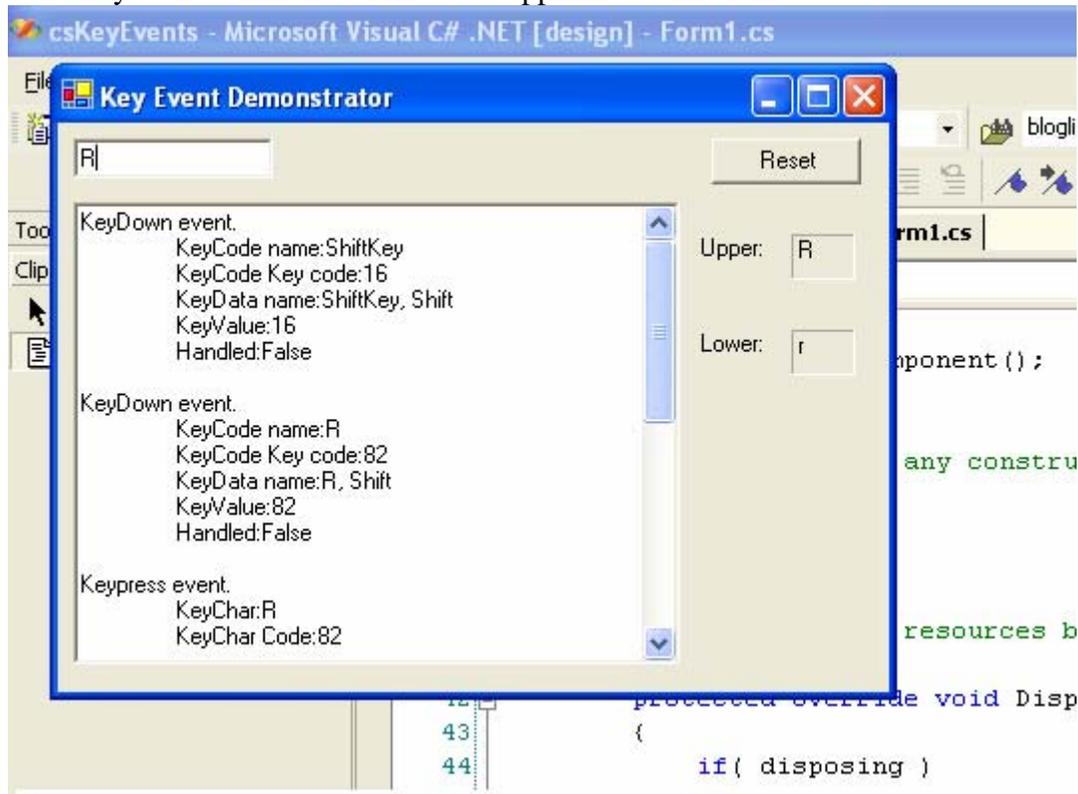Seventh Week:

July 10, 2006
Today we got email from Prof Connelly, and we knew our application could be applied to some web site forum. So I should accelerate my progress. I want to do a web form to help collect information from client or ask client enter data to enlarge this database. Paul will work in web page, and then I want to help him put our web service publish on the web page.
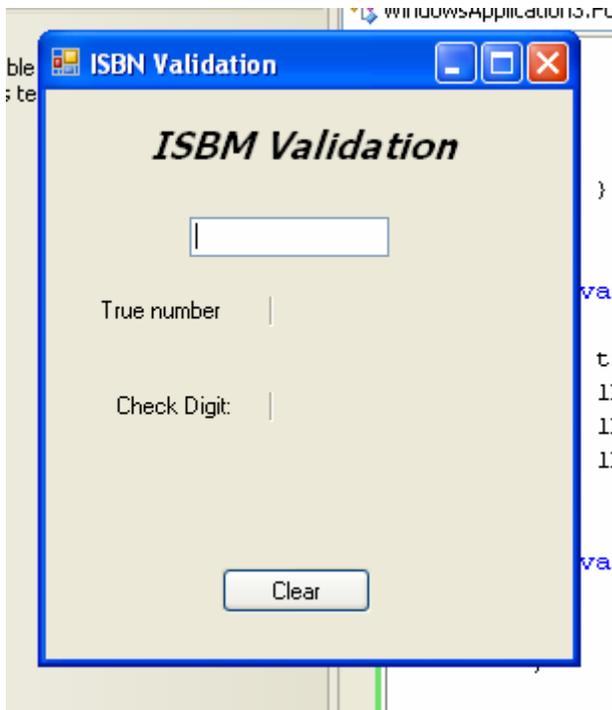I will do three applications today.
Events, Windows Forms, Dialog Boxes
Tomorrow I will try web forms application to collect info from client.

First I try to do several event windows application
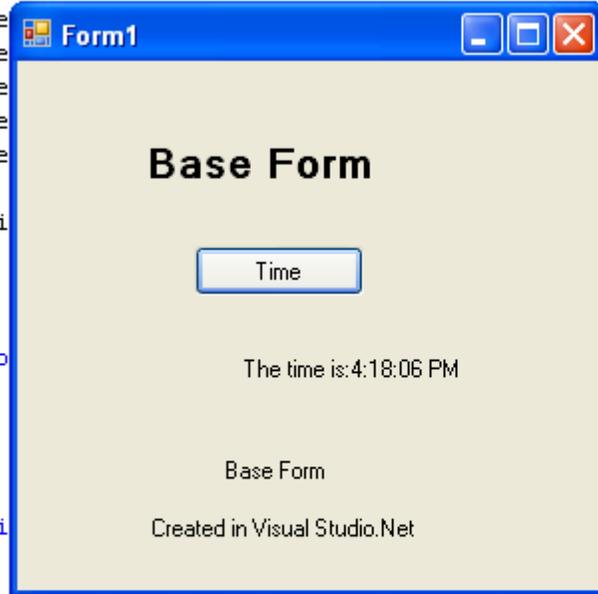

Another application:

Simple Windows Form


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using Syste
using Syste
using Syste
using Syste
using Syste
using Syste

namespace i

    public
    {
        pub
        {

        }

        pri                                              ventArgs e)
        {

        }

        private void btn_Click(object sender, EventArgs e)
        {
            lblOutput.Text = "The time is:"+DateTime.Now.ToString("T");
        }
    }
```
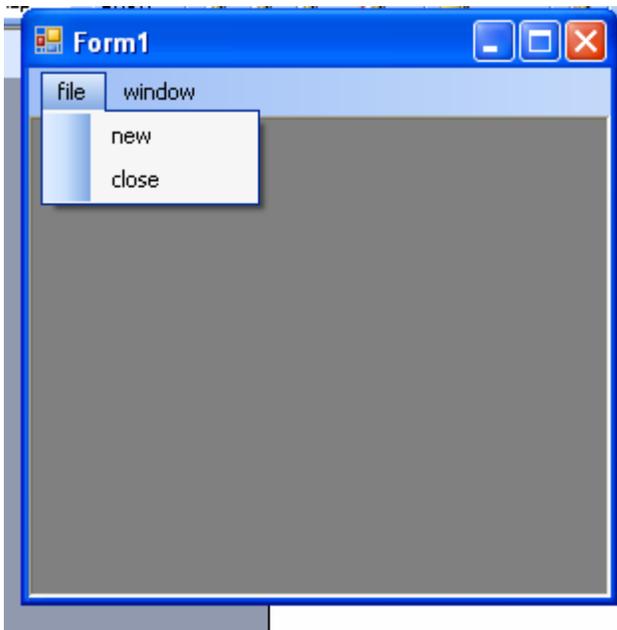
Get some information about UI design , and I think it will be helpful in my future software developing.
1. Follow standard conventions
2. be consistent
3. Maximize readability
4. Group controls by function
5. Arrange controls by importance
6. Arrange controls by work flow
7. Align text and controls
8. Correctly sized text boxes
9. Use color effectively
10. Use modal dialogs sparingly
11. Provide keyboard equivalents
12. Provide keyboard equivalents
13. Get input and feedback from actual users
14. Error Handling
15. Help
There are four basic windows interface types:
1. SDI
2. MDI
3. tabbed interface
4. Explorer style interface

MDI example
Tomorrow I will try to do a web form. Hope everything goes well.

July 11, 2006
Today I did my .asp web page that provides the web service connect with database.

First Name

Last Name

Is it your name?

Please enter your upc

Get UPC info

It is very ugly I know. And I am still dealing with the connection problem and output formatting problem.
http://galway.cs.indiana.edu:5888/jumpstart/jumpstart.aspx
That's the website address, and hope in the close future it looks nice.

Later, I will try to begin my web form. By the way, I am also studying about VB and Java. Like you know I am good at C++, but not VB and Java. I realized C++ is not a web programming language, so whatever I should enrich my language skill.

July 12, 2006
I use the sample code to call the web method in my web service.

Call a WebMethod in VS2003

The sample code below shows the code that you would add to a Button Click event to make an asynchronous call to the Web Service and the code for the method to write the result of the Web Service call.
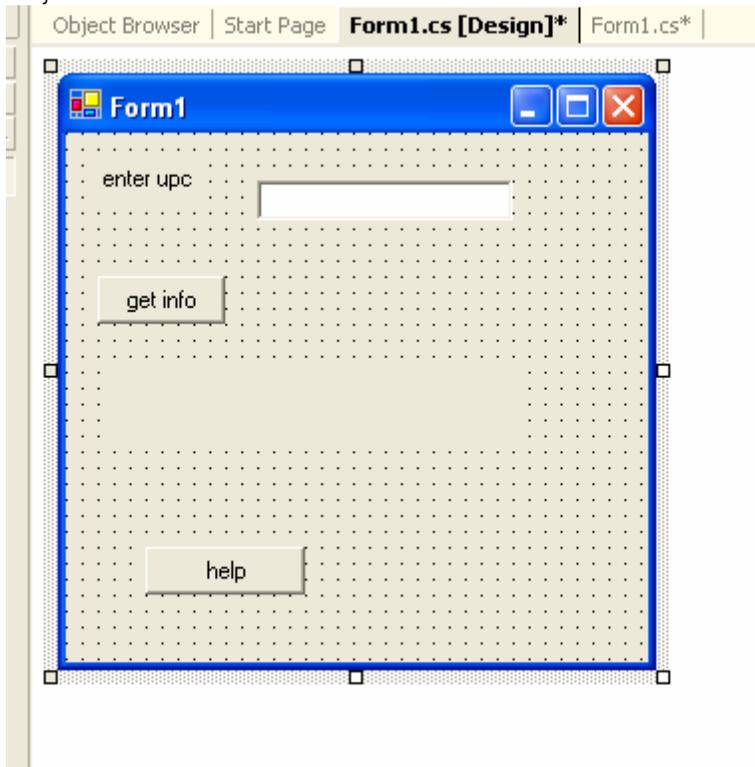
C#:

```csharp
private void button1_Click(object sender, System.EventArgs e)
   {
    //Create a new instance of the Web Service Class

    localhost.Service1 service = new
MyWebServiceApp.localhost.Service1();
    //Make the asynchronous Web Service call and call WriteHello

    service.BeginHelloWorld (new System.AsyncCallback (WriteHello),
service);
   }
private void WriteHello(System.IAsyncResult oRes)
   {
    //End the call

    localhost.Service1 service = (MyWebServiceApp.localhost.Service1)
oRes.AsyncState;
    //Write the call result to a MessageBox

    MessageBox.Show(service.EndHelloWorld(oRes));
   }
```

Object Browser | Start Page | **Form1.cs [Design]*** | Form1.cs* |

Form1

enter upc

get info

help

```
orm1                                                          sender,System.EventArgs e)
    /// The main entr
    /// </summary>
    [STAThread]
    static void Main
    {
        Application.F
    }

    private void btnb                                          Args e)
    {


            localhost                                ion1.localhost.Servi
            //Make th                                all WriteHello

            service1.                                ack(help),service1);
    }
    private void help(System.IAsyncResult oRes)
    {
        //End the ca

        localhost.Se                                vice)  o
        //Write the

        MessageBox.S
    }

    private void btnUPC_Click(object sender, System.EventArgs e)
    {
```

Form1 — enter upc — get info — help

You can use this web service to access our nutrition database easily. Welcome! — OK

Call all the web service function, and then put this application on PDA.
July 13, 2006
Today I took the GRE prep Test; I got full mark on math, but a terrible one in verbal.
And today I still try to connect the website with the web service. The code seems work but in fact it does not.
There are several one code to call the web service. I will try tomorrow.

```
Private sub testSync()
Dim ws as new inventoryService.inventory();
Dim intResults as Interger
Dim intProductID as Interger

IntProductID=CInt(txtproductID.text)
intResults=ws.UnitsInstock(intProductID)
lblResults.text=formatResults(_intproductID,int results0
end sub
```