

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Diagnostics.Eventing.Reader;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Xml.Linq;
```

```
namespace FinalProject_CardDatabase
```

```
{
    public partial class frmModify : Form
    {
        ///create data table to update records
        DataTable dtUpdate;
        public frmModify()
        {
            InitializeComponent();
        }
        /// <summary>
        /// Load Card Details to form
        /// </summary>
        /// <param name="CardID"></param>
```

```

public frmModify(int CardID)
{
    InitializeComponent();

    LoadCard(CardID); // load card based on ID to form
}

/// <summary>
/// private void to load card details to form
/// </summary>
/// <param name="ID"></param>
private void LoadCard(int ID)
{
    //connect to data

    clsData Card = new clsData();

    // pass sql to card

    Card.SQL = "SELECT ID, CardName, PokemonType, CardType, Quantity, CardNumber,
PackSeriesName, PictureURL FROM tblpokemonCards WHERE ID = " + ID;

    //get values from data table and display to screen

    txtCardName.Tag = ID.ToString(); //Capture unique ID of card
    txtCardName.Text = Card.dt.Rows[0]["CardName"].ToString();
    txtType.Text = Card.dt.Rows[0]["PokemonType"].ToString();
    txtCardType.Text = Card.dt.Rows[0]["CardType"].ToString();
    txtQuantity.Text = Card.dt.Rows[0]["Quantity"].ToString();
    txtCardNumber.Text = Card.dt.Rows[0]["CardNumber"].ToString();
    txtPackSeriesName.Text = Card.dt.Rows[0]["PackSeriesName"].ToString();
    txtPictureURL.Text = Card.dt.Rows[0]["PictureURL"].ToString();

    //get information for update

```

```
dtUpdate = Card.dt;
```

```
}
```

```
/// <summary>
```

```
/// private void for cancel button to exit form
```

```
/// </summary>
```

```
/// <param name="sender"></param>
```

```
/// <param name="e"></param>
```

```
private void btnCancel_Click(object sender, EventArgs e)
```

```
{//close the form
```

```
    this.Close();
```

```
}
```

```
/// <summary>
```

```
/// private void for save button to determine whether a card is being added or updated,  
save to database/list and close form
```

```
/// </summary>
```

```
/// <param name="sender"></param>
```

```
/// <param name="e"></param>
```

```
private void btnSave_Click(object sender, EventArgs e)
```

```
{
```

```
//validate information

if(txtCardName.Text == "")
{
    MessageBox.Show("Enter a card name");
    txtCardName.Focus();
}

else if(txtType.Text == "")
{
    MessageBox.Show("Enter a character Type");
    txtType.Focus();
}

else if (txtCardType.Text == "")
{
    MessageBox.Show("Enter a Card Type");
    txtCardType.Focus();
}

else if (txtQuantity.Text == "")
{
    MessageBox.Show("Enter a Quantity");
    txtQuantity.Focus();
}

else if (txtCardNumber.Text == "")
{
    MessageBox.Show("Enter a Card Number");
    txtCardNumber.Focus();
}

else if (txtPackSeriesName.Text == "")
{
    MessageBox.Show("Enter a Pack Series Name");
    txtPackSeriesName.Focus();
}
```

```

else if (txtPictureURL.Text == "")
{
    MessageBox.Show("Enter a Picture URL");
    txtPictureURL.Focus();

}
else
{
    //verify existing card
    if (txtCardName.Tag.ToString() != "N")
    {
        clsData myUpdateData = new clsData();
        // update local data table
        dtUpdate.Rows[0]["CardName"] = txtCardName.Text;
        dtUpdate.Rows[0]["PokemonType"] = txtType.Text;
        dtUpdate.Rows[0]["CardType"] = txtCardType.Text;
        dtUpdate.Rows[0]["Quantity"] = txtQuantity.Text;
        dtUpdate.Rows[0]["CardNumber"] = txtCardNumber.Text;
        dtUpdate.Rows[0]["PackSeriesName"] = txtPackSeriesName.Text;
        dtUpdate.Rows[0]["PictureURL"] = txtPictureURL.Text;
        // send update to database
        myUpdateData.UpdateData(dtUpdate, "SELECT ID, CardName, PokemonType,
CardType, Quantity, CardNumber, PackSeriesName, PictureURL FROM tblpokemonCards
WHERE ID = " + int.Parse(txtCardName.Tag.ToString()));
        this.Close();
    }
}

```

```
//Assume new card

else
{

    //create new instance to data class
    clsData newCard = new clsData();

    // call update method passing values
    newCard.CreateCard(txtCardName.Text, txtType.Text, txtCardType.Text,
int.Parse(txtQuantity.Text), txtCardNumber.Text, txtPackSeriesName.Text,
txtPictureURL.Text);

    //close form
    this.Close();

}

}

}

}
```