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ComboBox With Images

By [Rakka Rage](#)

There is no built in support for a ComboBox with images. So i created a simple ComboBoxEx class that derives from ComboBox and allows you to set the ComboBoxEx.ImageList property and ComboBoxExItem.ImageIndex property so that the ComboBox displays an image.

```
...
ComboBoxEx comboBox = new ComboBoxEx();
comboBox.ImageList = imageList;
// not needed but... no icon for index -1 else
comboBox.DropDownStyle = ComboBoxStyle.DropDownList;
// just pass these in instead of strings, class included below
// specify a valid imageIndex
comboBox.Items.Add(new ComboBoxExItem("Text0", 0));
comboBox.Items.Add(new ComboBoxExItem("Text1", 1));
```

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Code:

```
namespace Rage.Library
{
    class ComboBoxEx : ComboBox
    {
        private ImageList imageList;
        public ImageList ImageList
        {
            get {return imageList;}
            set {imageList = value;}
        }

        public ComboBoxEx()
        {
            DrawMode = DrawMode.OwnerDrawFixed;
        }

        protected override void OnDrawItem(DrawItemEventArgs ea)
        {
            ea.DrawBackground();
            ea.DrawFocusRectangle();

            ComboBoxExItem item;
            Size imageSize = imageList.ImageSize;
            Rectangle bounds = ea.Bounds;

            try
            {
                item = (ComboBoxExItem)Items[ea.Index];

                if (item.ImageIndex != -1)
                {
                    imageList.Draw(ea.Graphics, bounds.Left, bounds.Top,
```

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```

item.ImageIndex);
    ea.Graphics.DrawString(item.Text, ea.Font, new
SolidBrush(ea.ForeColor), bounds.Left+imageSize.Width, bounds.Top);
    }
    else
    {
        ea.Graphics.DrawString(item.Text, ea.Font, new
SolidBrush(ea.ForeColor), bounds.Left, bounds.Top);
    }
}
catch
{
    if (ea.Index != -1)
    {
        ea.Graphics.DrawString(Items[ea.Index].ToString(), ea.Font, new
SolidBrush(ea.ForeColor), bounds.Left, bounds.Top);
    }
    else
    {
        ea.Graphics.DrawString(Text, ea.Font, new
SolidBrush(ea.ForeColor), bounds.Left, bounds.Top);
    }
}

base.OnDrawItem(ea);
}
}

class ComboBoxExItem
{
    private string _text;
    public string Text
    {
        get {return _text;}
        set {_text = value;}
    }

    private int _imageIndex;
    public int ImageIndex
    {
        get {return _imageIndex;}
        set {_imageIndex = value;}
    }

    public ComboBoxExItem()
    : this("") {
    }

    public ComboBoxExItem(string text)
    : this(text, -1) {
    }

    public ComboBoxExItem(string text, int imageIndex)
    {
        _text = text;
        _imageIndex = imageIndex;
    }

    public override string ToString()
    {
        return _text;
    }
}
}

```

Finally, a profiler that's even quicker
to find fault than your boss.