Coding (or Script) - 2

```csharp
/*
 * $Author: Kwu $
 * $Revision: 6 $
 * ----------------------
 * Creator: Larry Bergman
 * Date Created:  6/10/2004
 */
using System;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
using DBauer.Web.UI.WebControls;

using Risetime.CCAO.CAMA.Components.CAMADB;
using Risetime.CCAO.CAMA.Components.CAMADB.CollectionClasses;
using Risetime.CCAO.CAMA.Components.CAMADB.EntityClasses;
using Risetime.CCAO.CAMA.Components.CAMADB.RelationClasses;
using Risetime.CCAO.CAMA.Components.CAMADB.FactoryClasses;
using Risetime.CCAO.CAMA.Components.CAMADB.HelperClasses;
using Risetime.CCAO.CAMA.Components.CAMADB.TypedViewClasses;

using SD.LLBLGen.Pro.ORMSupportClasses;

namespace Risetime.CCAO.CAMA.Web.CAMA.WebModules.Land
{

    /// <summary>
    ///     Summary description for LND05_ClassList.
    /// </summary>
    public class LND05_ClassList : WebModules.Core.BaseControl
    {
      #region Members
      protected System.Web.UI.WebControls.Label Label1;
      protected System.Web.UI.WebControls.TextBox Textbox1;
      protected System.Web.UI.WebControls.TextBox Textbox5;
      protected System.Web.UI.WebControls.TextBox Textbox2;
      protected System.Web.UI.WebControls.TextBox Textbox6;
      protected System.Web.UI.WebControls.DataGrid DG1;
      protected System.Web.UI.WebControls.DataGrid dg1;
      #endregion
      #region Properties
      public string PIN{
          set{
             ViewState["PIN"] = value;
          }
          get{
             if (ViewState["PIN"]==null){
                return "";
             }else{
                return (string)ViewState["PIN"];
             }
          }
      }
      public int LndID{
          set{
             ViewState["LndID"] = value;
          }
          get{
             if (ViewState["LndID"]==null){
                return 0;
             }else{
                return (int)ViewState["LndID"];
             }
          }
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    }


    public int ClsID
    {
        set
        {
            ViewState["ClsID"] = value;
        }
        get
        {
            if (ViewState["ClsID"]==null)
            {
                return 0;
            }
            else
            {
                return (int)ViewState["ClsID"];
            }
        }
    }


    public int CodeDsc
    {
        set
        {
            ViewState["CodeDsc"] = value;
        }
        get
        {
            if (ViewState["CodeDsc"]==null)
            {
                return 0;
            }
            else
            {
                return (int)ViewState["CodeDsc"];
            }
        }
    }


    public int LndClsID
    {
        set
        {
            ViewState["LndClsID"] = value;
        }
        get
        {
            if (ViewState["LnClsID"]==null)
            {
                return 0;
            }
            else
            {
                return (int)ViewState["LnClsID"];
            }
        }
    }
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    public int PINID
    {
        set
        {
            ViewState["PINID"] = value;
        }
        get
        {
            if (ViewState["PINID"]==null)
            {
                return 0;
            }
            else
            {
                return (int)ViewState["PINID"];
            }
        }
    }



    #endregion
    #region Event Handlers
    private void Page_Load(object sender, System.EventArgs e)
    {
        // Put user code to initialize the page here
    }
/*    private void dg1_ItemCommand(object source, System.Web.UI.WebControls.
DataGridCommandEventArgs e) {
        try{

            if (e.CommandName=="View") {
                Session["LndClsID"] = (int)dg1.DataKeys[e.Item.ItemIndex];
                Session["LndID"] = LndID;
                Session["PIN"] = PIN;
                Response.Redirect("LND06_LndClass.aspx");
            }
        } catch (Exception ex) {
            LogException(ex);
        }
    } */
    #endregion
    #region Web Form Designer generated code
    override protected void OnInit(EventArgs e)
    {
        //
        // CODEGEN: This call is required by the ASP.NET Web Form Designer.
        //
        InitializeComponent();
        base.OnInit(e);
    }

    /// <summary>
    ///     Required method for Designer support - do not modify
    ///     the contents of this method with the code editor.
    /// </summary>
    private void InitializeComponent()
    {
        this.DG1.ItemCommand += new System.Web.UI.WebControls.
DataGridCommandEventHandler(this.dg1_ItemCommand);
        this.DG1.EditCommand += new System.Web.UI.WebControls.
DataGridCommandEventHandler(this.DG1_EditCommand);
        this.DG1.SelectedIndexChanged += new System.EventHandler(this.
DG1_SelectedIndexChanged);
        this.Load += new System.EventHandler(this.Page_Load);
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    }
    #endregion
  #region Public Methods
/* public void BindGrid(){

    DataRow dr;
    DataTable dt = new DataTable();
    dt.Columns.Add(new DataColumn("LndClsID",typeof(int)));
    dt.Columns.Add(new DataColumn("Class Code",typeof(string)));

    LandEntity lnd = new LandEntity(this.LndID);
    foreach (LndClsEntity lndCls in lnd.LndCls){
        dr = dt.NewRow();
        dr["LndClsID"] = lndCls.LndClsID;
        dr["Class Code"] = lndCls.Cls.ClsCode + " - " + lndCls.Cls.ClsDesc;
        dt.Rows.Add(dr);
    }
    this.dg1.DataKeyField="LndClsID";
    dg1.DataSource = dt;
    dg1.DataBind();

} */

  public void BindGrid()
  {
    PINLndClassesTypedView view = new PINLndClassesTypedView();

    IPredicateExpression filter = new PredicateExpression();

    IPredicate lndIDFilter = PredicateFactory.CompareValue(PINLndClassesFieldIndex.
LndID, ComparisonOperator.Equal, LndID);
    filter.Add(lndIDFilter);

    ISortClause classCodeSort = SortClauseFactory.Create(PINLndClassesFieldIndex.
ClassCode, SortOperator.Descending);

    SortExpression sortExpr = new SortExpression();
    sortExpr.Add(classCodeSort);

    view.Fill(3,sortExpr,true,filter);
    DG1.DataSource = view;
    DG1.DataBind();
  }


  #endregion

  private void DG1_SelectedIndexChanged(object sender, System.EventArgs e)
  {

  }

// private void DG1_EditCommand(

  /* public void BindSqFtGrid()
  {

    if (PIN != "")
    {
      LeaseholdsTypedList list = GetLeaseholds();

      DG1.DataKeyField = "LeaseholdID";
      DG1.DataSource = list;
      DG1.DataBind();
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        }
    } */


    private void DG1_EditCommand(object source, System.Web.UI.WebControls.
DataGridCommandEventArgs e)
    {
        try
        {
            DG1.EditItemIndex = e.Item.ItemIndex;
            DG1.ShowFooter = false;
            BindGrid();
        }
        catch(Exception ex)
        {
            LogException(ex);
        }
    }

    private void dg1_ItemCommand(object source, System.Web.UI.WebControls.
DataGridCommandEventArgs e)
    {

    //  dg1.EditItemIndex=-1;
    /* if (e.CommandName=="View")
     {
        try
        {
            Session["PIN"] = PIN;
         //  Session["PINID"] = PINID;
        //    Session["BldgNbr"] = BldgNbr;
         // Session["ImpID"] = ImpID;
            Session["ImpClsID"] = (int)dg1.DataKeys[e.Item.ItemIndex];
        }
        catch (Exception ex)
        {
            LogException(ex);
        }
        Response.Redirect("IMP07_ImpClass.aspx");
    } */
    if (e.CommandName=="Add")  // else if
    {
        try
        {

            ((Button)e.Item.FindControl("AddClass")).Text="Save";
            ((Button)e.Item.FindControl("AddClass")).CommandName="Save";
            ((Button)e.Item.FindControl("AddClass")).CausesValidation=true;

            ((Button)e.Item.FindControl("CancelClass")).Visible=true;
            ((DropDownList)e.Item.FindControl("DropDownList1")).Visible=true;
            //((DropDownList)e.Item.FindControl("DropDownList1")).DataSource=
BindClasses();
            ((DropDownList)e.Item.FindControl("DropDownList1")).DataBind();
        //   ((DropDownList)e.Item.FindControl("DropDownList1")).DataTextField=
"CodeDsc";
            ((DropDownList)e.Item.FindControl("DropDownList1")).DataValueField=Convert
.ToString(ClsID);
            ((DropDownList)e.Item.FindControl("DropDownList1")).DataTextField=Convert.
ToString(CodeDsc);
            ((TextBox)e.Item.FindControl("SqFtTextBox")).Visible=true;


            //Display Cancel Button
            //Display Class Drop Down
            //Populate Class Drop Down
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                //Display SqFt Text Box
            }
            catch (Exception ex)
            {
                LogException(ex);
            }
        }
        if (e.CommandName=="CancelAdd")  // else if
        {
            try
            {
                ((Button)e.Item.FindControl("AddClass")).Visible=true;
                ((Button)e.Item.FindControl("AddClass")).Text="Add";
                ((Button)e.Item.FindControl("AddClass")).CommandName="Add";


                ((Button)e.Item.FindControl("CancelClass")).Visible=false;
                ((DropDownList)e.Item.FindControl("DropDownList1")).Visible=false;
                ((TextBox)e.Item.FindControl("SqFtTextBox")).Visible=false;
                //Hide Cancel Button
                //Hide Class Drop Down
                //Hide SqFt Text Box
            }
            catch (Exception ex)
            {
                LogException(ex);
            }
        }
        else if (e.CommandName=="Save")   // else if
        {
            Transaction trans = new Transaction(System.Data.IsolationLevel.ReadCommitted, ↙
    "trans");
            try
            {

                LndClsEntity lndCls = new LndClsEntity();
                lndCls.LndCls = Convert.ToInt32(((DropDownList)e.Item.FindControl(              ↙
    "DropDownList1")).SelectedValue);
                lndCls.LndID = LndID;
                lndCls.ClsSqFt = Convert.ToInt32(((TextBox)e.Item.FindControl("SqFtTextBox↙
    ")).Text);

                lndCls.TaxYr = Page.CurrentTaxYearConstant;
                lndCls.PassID = Page.GetPass("Current").RefID;

                trans.Add(lndCls);
                lndCls.Save();

                PINLndClsEntity PINLndCls = new PINLndClsEntity();
                PINLndCls.LndClsID = lndCls.LndClsID;
                PINLndCls.PINID = PINID;
                PINLndCls.ProrationPct = 100;
                PINLndCls.ValPct = 100;
                PINLndCls.LglDescOwnPct = 0;
                PINLndCls.TaxYr = Page.CurrentTaxYearConstant;
                PINLndCls.PassID = Page.GetPass("Current").RefID;

                trans.Add(PINLndCls);
                // lndCls.Save();
                PINLndCls.Save();
                // lndCls.Save();

                trans.Commit();

                BindGrid();
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                ((Button)e.Item.FindControl("AddClass")).Text="Add";
                ((Button)e.Item.FindControl("CancelClass")).Visible=false;
                ((DropDownList)e.Item.FindControl("DropDownList1")).Visible=false;
                ((TextBox)e.Item.FindControl("SqFtTextBox")).Visible=false;

                //Hide Cancel Button
                //Hide Class Drop Down
                //Hide SqFt Text Box
            }
        catch (Exception ex)
        {
            trans.Rollback();

            LogException(ex);
        }
    }
    else if (e.CommandName=="Delete")   // else if
    {

        Transaction trans = new Transaction(System.Data.IsolationLevel.ReadCommitted,
"trans");
        bool success = false;
        bool canDelete = true;
        bool impDeleted = false;
        try
        {
            int impClsID = (int)dg1.DataKeys[e.Item.ItemIndex];
            ImpClsEntity impCls = new ImpClsEntity(impClsID);
            /*  if (HasActiveImpClsUses(impClsID))
                {
                    canDelete=false;
                    OnBubbleMessage(this,Messages.
ImprovementClassHasActiveUsesCannotDelete,null);
                } */
            /*     if (HasActiveProratedPINs(impClsID, PINID))
                {
                    canDelete=false;
                    OnBubbleMessage(this,Messages.
ImprovementClassHasActiveProratedPINsCannotDelete,null);
                } */
            /*   if (!HasOtherActiveClasses(impCls.ImpID, impClsID))
                {

                    success=DeletePINImps(impCls.ImpID, trans);
                    if (success)
                    {
                        ImprovementEntity imp = new ImprovementEntity(impCls.ImpID);
                        trans.Add(imp);
                        imp.IsDeleted=true;
                        success=imp.Save();
                        impDeleted=true;
                    }
                }
            else
                {
                    success=true;
                } */
            if (canDelete && success)
            {
                //   success=DeleteProratedPINs(impClsID, trans);
                if (success)
                {
                    impCls.IsDeleted = true;
                    trans.Add(impCls);
                    success=impCls.Save();
                }
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            }
            if (success)
            {
                trans.Commit();
            }
            else
            {
                trans.Rollback();
            }
        }
        catch (Exception ex)
        {
            trans.Rollback();
            LogException(ex);
        }
        finally
        {
            trans.Dispose();
        }
        if (success)
        {
            if (impDeleted)
            {
                Response.Redirect("~/WebModules/PIN/PIN01_PINMaster.aspx");
            }
            else
            {
                // OnDeleteClass(this);
            }
        }
    }
}


    #region Private Methods

    protected DataTable BindClasses()
    {

        return Page.GetLandClasses();

    }

    #endregion
}
```