Advance Extension Library

Prepared By: Axl Rose Villanueva

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# AXL\_CRUD\_CONTROLLER



## Public Properties:

### #region BOOLEAN VARIABLES

public bool isKeyInt { get; set; } //if true then the primary key is int else string

public bool isKey2Int { get; set; }

public bool withNew { get; set; }

public bool withEdit { get; set; }

public bool withDelete { get; set; }

public bool withSave { get; set; }

public bool withReport { get; set; }

public bool withOperation { get; set; }

public bool withRefresh { get; set; }

#endregion

### #region STRING VARIABLES

public string connection\_string { get; set; }

public string \_keyVal { get; set; }

public string \_keyField { get; set; }

#endregion

### #region INTEGER VARIABLES

public int record\_action { get; set; } // 0 - New; 1 - Edit; 2 - View;

public int series\_type { get; set; } // 0 - Auto Increment; 1 - Manual;

public int form\_type { get; set; } // 0 - List; 1 - Entry;

#endregion

### #region SQL DATA ADAPTERS

public SqlDataAdapter adpHdr { get; set; }

public SqlDataAdapter adpDet1 { get; set; }

public SqlDataAdapter adpDet2 { get; set; }

public SqlDataAdapter adpLst1 { get; set; }

#endregion

### #region BINDING SOURCES

public BindingSource bsHdr { get; set; }

public BindingSource bsDet1 { get; set; }

public BindingSource bsDet2 { get; set; }

public BindingSource bsLst1 { get; set; }

#endregion

### #region DATA TABLES

public DataTable tblHdr { get; set; }

public DataTable tblDet1 { get; set; }

public DataTable tblDet2 { get; set; }

public DataTable tblLst1 { get; set; }

#endregion

### #region EVENT HANDLERS

public delegate void EventDelegates();

public event EventDelegates InitializeHeader\_Before;

public event EventDelegates InitializeHeader\_After;

public event EventHandler btnNew\_Before;

public event EventHandler btnNew\_After;

public event EventHandler btnSave\_Before;

public event EventHandler btnSave\_After;

public event EventHandler btnRefresh\_Before;

public event EventHandler btnRefresh\_After;

#endregion

## Button New Click Event

1. Set the Record\_Action to 0 : New
2. Clear the form : Clear all the data from data table
3. Initialize Header : Assign Initial Key Value of Header Table
4. Initialize the Form: Enabling and Disabling the form if Record\_Action = 2 All control names contains panel inside the form will be disabled.
5. Instantiate the Event before New Event if there is any.
6. Instantiate the Event after New Event if there is any.

## Button Edit Click Event

1. Set the Record\_Action to 1 : Edit
2. Initialize the Form: Enabling and Disabling the form if Record\_Action = 2 All control names contains panel inside the form will be disabled.

## Button Delete

## Button Save

1. Instantiate the Event before save if there is any.
2. Validate the form using (ParentForm.Validate)
3. Validate the Binding Source using (BindingSource.CurrencyManager.EndCurrentEdit)
4. Save the validated data to database.
   1. If form type = 1 (Entry Form)

Get the key from header table then assign on each child table.

* 1. Else (List Form)

Save the data from list.

1. If data successfully save change Record\_Action = 2 Then Initialize The Form

## Button Refresh

1. Instantiate the Event before refresh if there is any.
2. Refresh the Table.
3. Instantiate the Event after refresh is there is any.