Data binding

## WinForms

Dim MatricesPropertiesCurrentSet As BindingList(Of DisplayMatrixProperty)

Dim WithEvents MatricesPropertiesFilteredSet As BindingList(Of DisplayMatrixProperty)

Dim bs As BindingSource

Dim MatricesPropertiesDataGridView As DataGridView

MatricesPropertiesFilteredSet = filter(MatricesPropertiesCurrentSet)

bs.DataSource = MatricesPropertiesFilteredSet

MatricesPropertiesDataGridView.DataSource = bs

Private Sub MatricesPropertiesDataGridView\_CellBeginEdit(sender As Object, e As System.Windows.Forms.DataGridViewCellCancelEventArgs) Handles MatricesPropertiesDataGridView.CellBeginEdit

isCellEdit = True

End Sub

Private Sub MatricesPropertiesDataGridView\_CellEndEdit(sender As Object, e As System.Windows.Forms.DataGridViewCellEventArgs) Handles MatricesPropertiesDataGridView.CellEndEdit

isCellEdit = False

End Sub

Private Sub MatricesPropertiesDataGridView\_CellValueChanged(sender As Object, e As System.Windows.Forms.DataGridViewCellEventArgs) Handles MatricesPropertiesDataGridView.CellValueChanged

If Not isCellEdit Then Exit Sub

isDirty = True

End Sub

Private Sub MatricesPropertiesDataGridView\_UserDeletingRow(sender As Object, e As System.Windows.Forms.DataGridViewRowCancelEventArgs) Handles MatricesPropertiesDataGridView.UserDeletingRow

Dim dmp As DisplayMatrixProperty = e.Row.DataBoundItem

If dmp.SetIsDeleted() Then isDirty = True

MatricesPropertiesCurrentSet.Remove(dmp)

End Sub

Private Sub MatricesPropertiesDataGridView\_SelectionChanged(sender As Object, e As System.EventArgs) Handles MatricesPropertiesDataGridView.SelectionChanged

' Synchronize linked panels

End Sub

Private Sub MatricesPropertiesFilteredSet\_AddingNew(sender As Object, e As System.ComponentModel.AddingNewEventArgs) Handles MatricesPropertiesFilteredSet.AddingNew

' Create a new BB object not connected to a context

e.NewObject = New DisplayMatrixProperty(New MatrixProperty)

' Since grid is based on filteredSet, we also need to add the object in current set; not really sure we'll keep it if adding is cancelled (or useless, just a click on new row),

' but filtering will eliminate empty objects from current set, and they'll also be ignored by DefineContextBeforeSave when saving

MatricesPropertiesCurrentSet.Add(e.NewObject)

End Sub

Note: Filter ignores new/empty records created by AddingNew but never filled