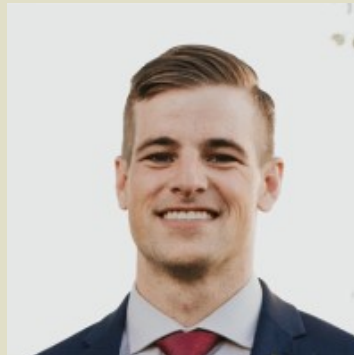ALLIANCE
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Developing Fluid Scroll Areas

Session 6807

May ##, 2020

PRESENTERS

Bradley Reeves

Application Developer

Central Washington University

Your Organization

Campus Solutions 9.2
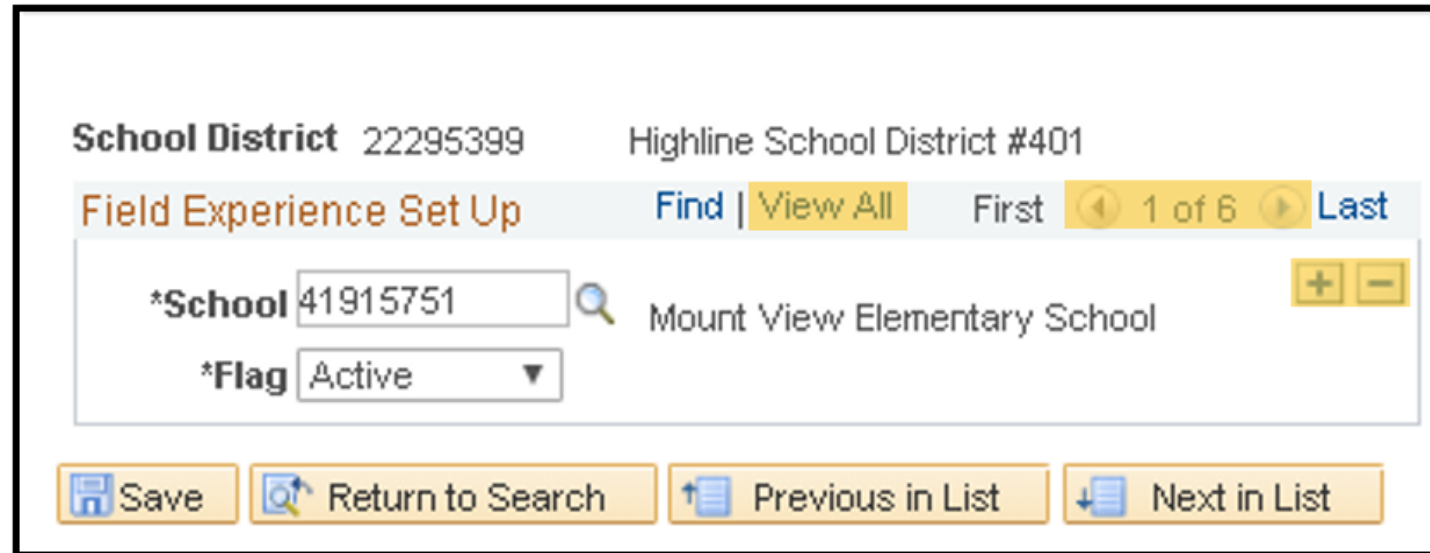
PeopleTools 8.55.16

Oracle Database 12C

Developing Fluid Scroll Areas

Overview

1. Classic scroll area example
2. Conversion to Fluid
3. Implementing Fluid scroll area controls
4. Styling Fluid scroll area controls
5. Additional examples

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Classic Scroll Area

Previous: Controls how a user can move to a previous row in the scroll area.

Row Counter: Tracks the number of rows in the scroll area and in which row the cursor focuses. Text is the default setting, and, for example, 1-6 of 6 appears in the navigation bar if the scroll area has six rows.

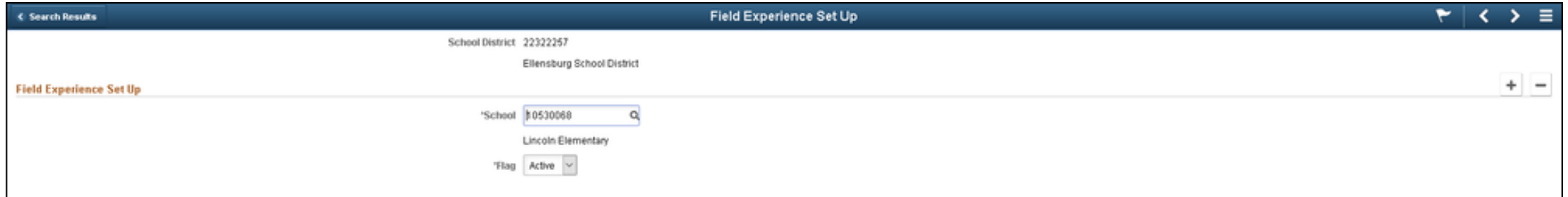**Next:** Controls how a user can move to the next row in the scroll area.

View All: Enables the user to view all rows of data at once.

Insert/Delete: Select to display Insert and Delete buttons on each scroll area row at runtime. The action buttons can appear on the left or right side of the scroll area. Click the properties button to open the Body Area Row Action Button Properties dialog box.

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Classic to Fluid Conversion

1. Create the fluid component
2. Create the fluid page and add it to the fluid component
3. Update all PeopleCode references
4. Update or delete unsupported controls
5. Enable search page
6. Adjust and finalize layout
7. Implement responsive and adaptive behaviors

Page After Conversion

As you can see, the scroll area doesn't appear how you would expect. The row actions buttons will need to be implemented by a developer.
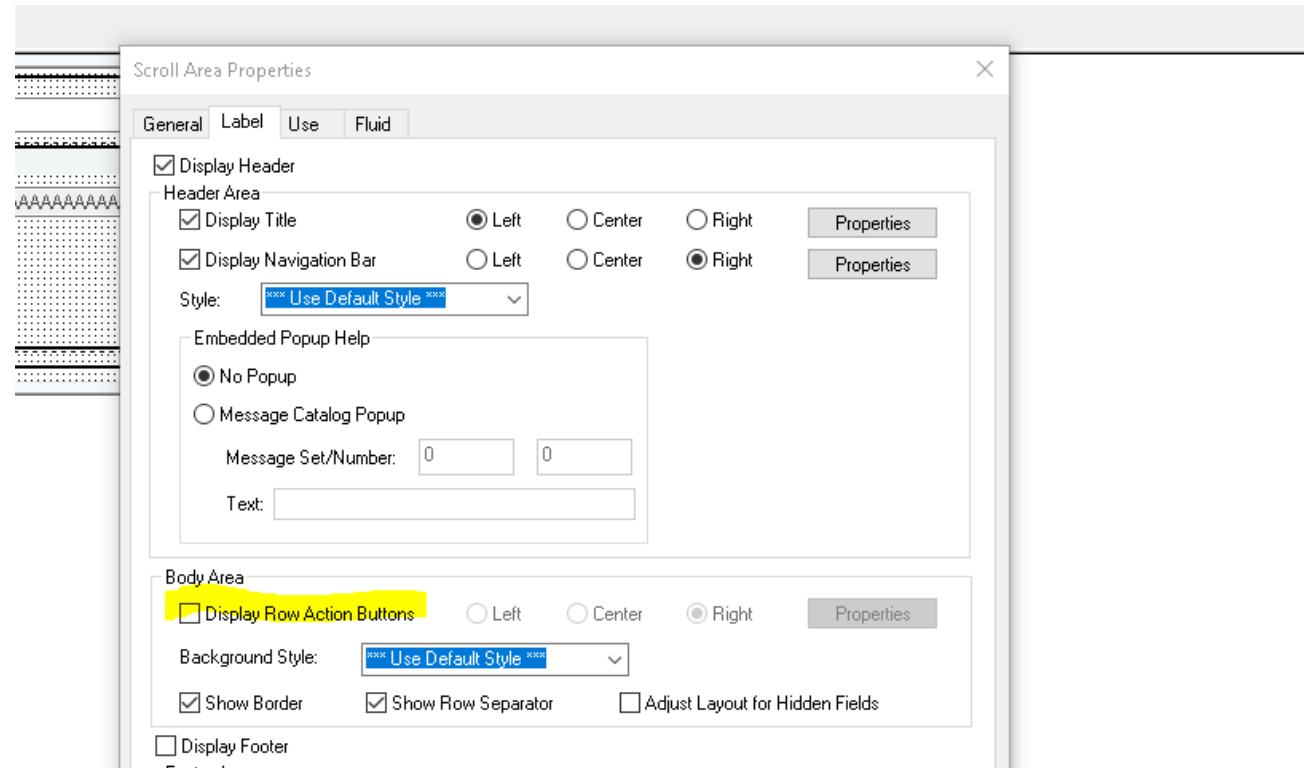
Row Insert

Three methods:

1. Leave as-is
2. Use Scroll Action
3. Use Peoplecode

Row Insert Contd.

- If either of the second two methods are used, the default row insert and row delete buttons will need to be removed
- Update the Scroll Area Properties

Row Insert Contd.

Row Insert Contd.

Add a push button/hyperlink control to the page

Row Insert Contd.

Row Insert Contd.

Using Scroll Action

Row Insert Contd.

Using PeopleCode

FieldChange Event

```
Local Rowset &rs = GetLevel0()(1).GetRowset(Scroll.CW_SCHOOL_STP);

&rs.InsertRow(&rs.ActiveRowCount);
```
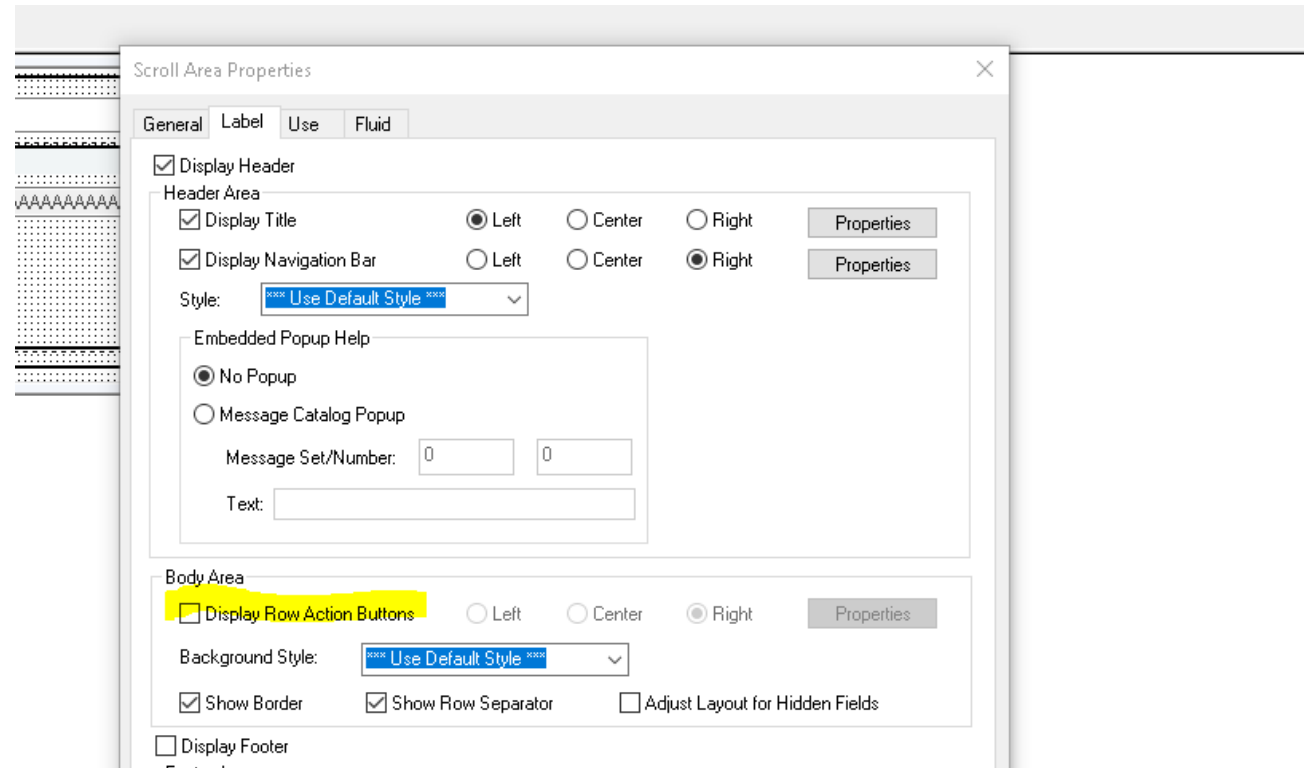
Row Delete

Three methods:
1. Leave as-is
2. Use Scroll Action
3. Use Peoplecode

Row Delete Contd.

- If either of the second two methods are used, the default row insert and row delete buttons will need to be removed

- Update the Scroll Area Properties

Row Delete Contd.

Row Delete Contd.

Add a push button/hyperlink control to the page

Row Delete Contd.

Row Delete Contd.

Using Scroll Action

Row Delete Contd.

Using PeopleCode

FieldChange Event

```
Local Rowset &rs = GetLevel0()(1).GetRowset(Scroll.CW_SCHOOL_STP);

&rs.DeleteRow(CurrentRowNumber());
```

Previous

Add a new push button/hyperlink to the page

Previous Contd.

Set the push button/hyperlink properties

Previous Contd.

Next

Add a new push button/hyperlink to the page

Next Contd.

Set the push button/hyperlink properties

Next Contd.

Row Counter

Add necessary page controls:

- Edit Box 1: CURRENT_ROW field, make display-only

- HTML Area: constant value "of"

- Edit Box 2: TOTAL_ROWS field, make display only

Row Counter Contd.

Row Counter

Add Row Init PeopleCode:

CURRENT_ROW example code:

```
CW_FLD_EX_WRK.CURRENT_ROW.Value = CurrentRowNumber();
```

TOTAL_ROWS example code:

```
Local Rowset &rs = GetLevel0()(1).GetRowset(Scroll.CW_SCHOOL_STP);
CW_FLD_EX_WRK.TOTAL_ROWS.Value = &rs.ActiveRowCount;
```

Row Counter Contd.

View All/View One

Duplicate the scroll area on the page

View All/View One Contd.

In the second scroll area properties, general tab, Check the 'Unlimited Occurs Count (rows)' checkbox
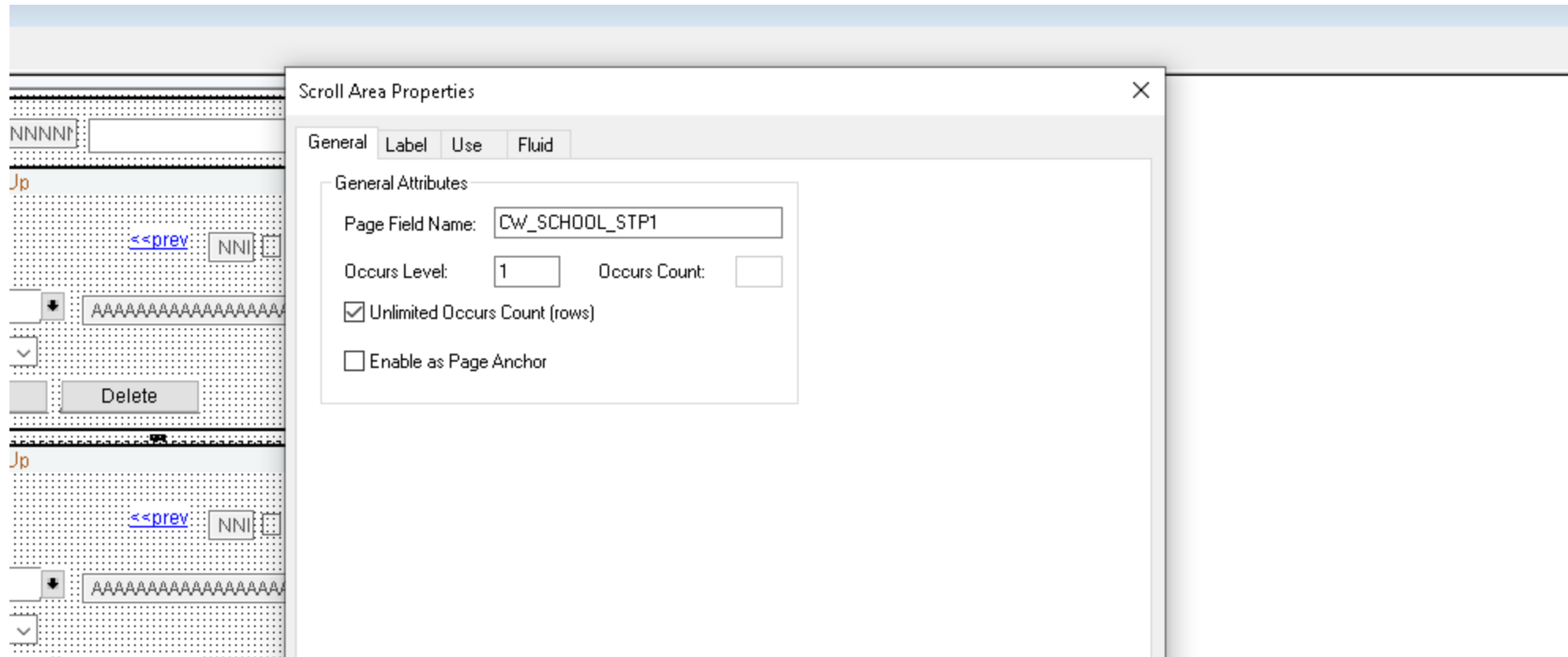
View All/View One Contd.

Wrap a groupbox around each scroll area

View All/View One Contd.

Set the groupbox properties for each groupbox

- Record tab

- Use tab

- Fluid tab

View All/View One Contd.

Record tab: Set the record and field name

View All/View One Contd.
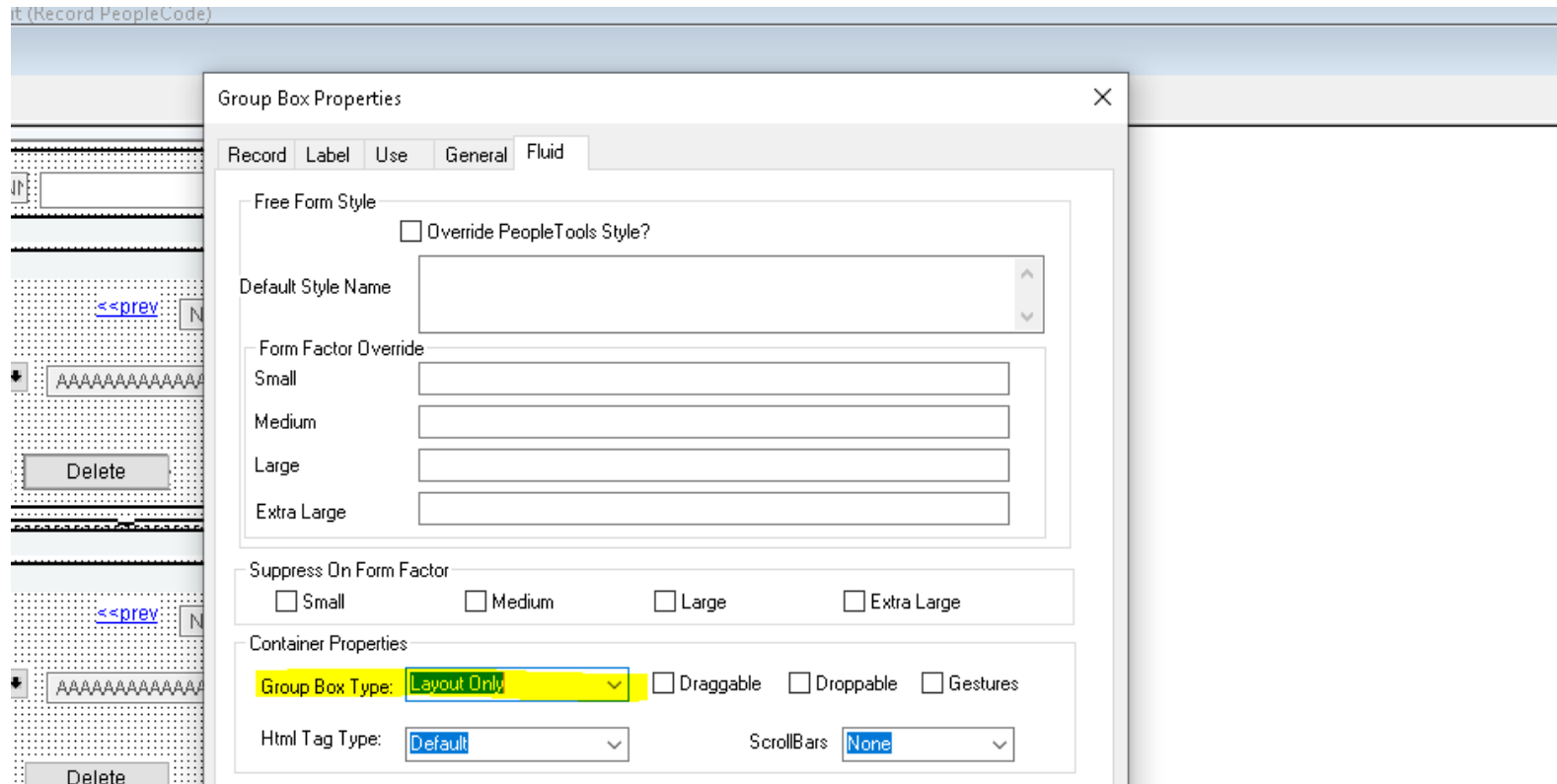
Use tab: Check the 'Hide all Fields when Group Box Hidden' checkbox
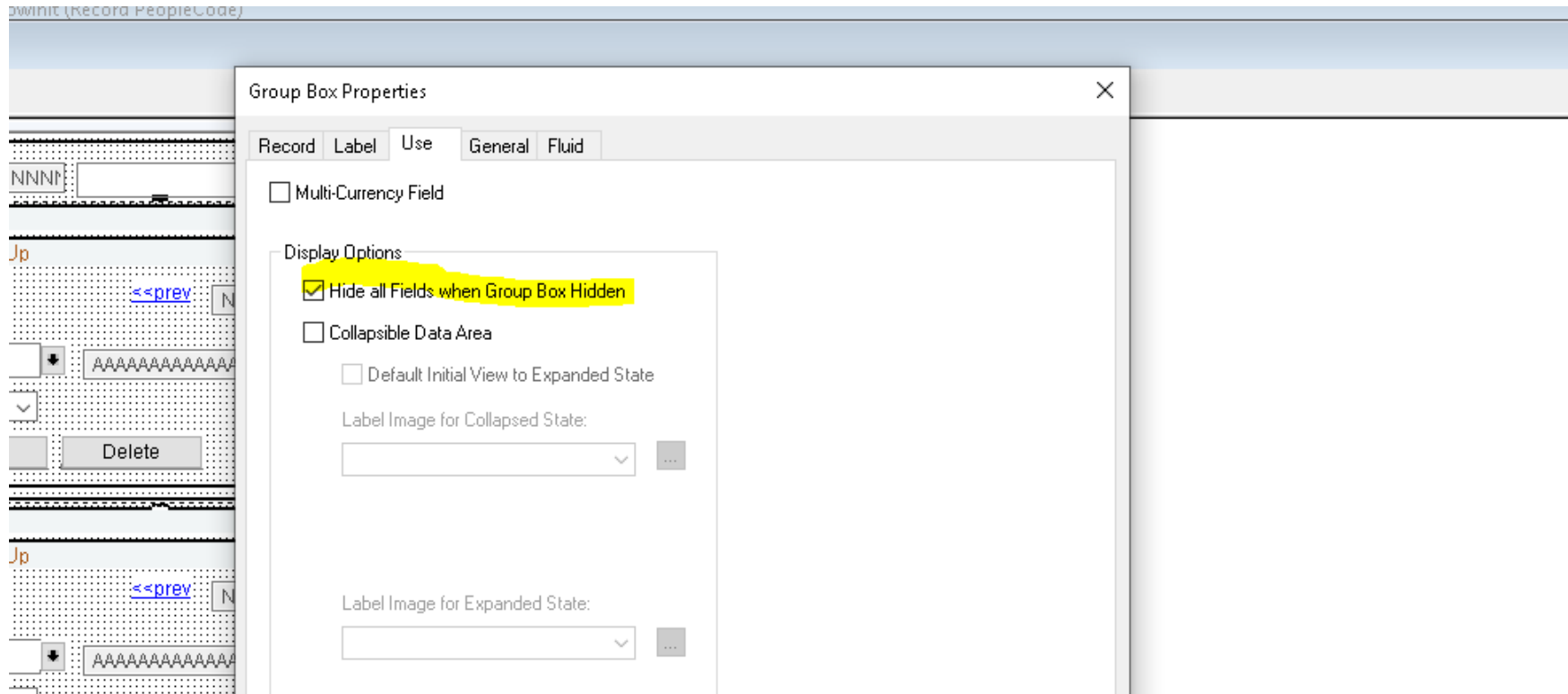
View All/View One Contd.

Fluid tab: Set the groupbox type to Layout only

View All/View One Contd.

Add the push buttons/links to the page

View All/View One Contd.

Set the push button/link properties for each push button/link

- Type tab: Set the destination to PeopleCode Command and set the record and field names
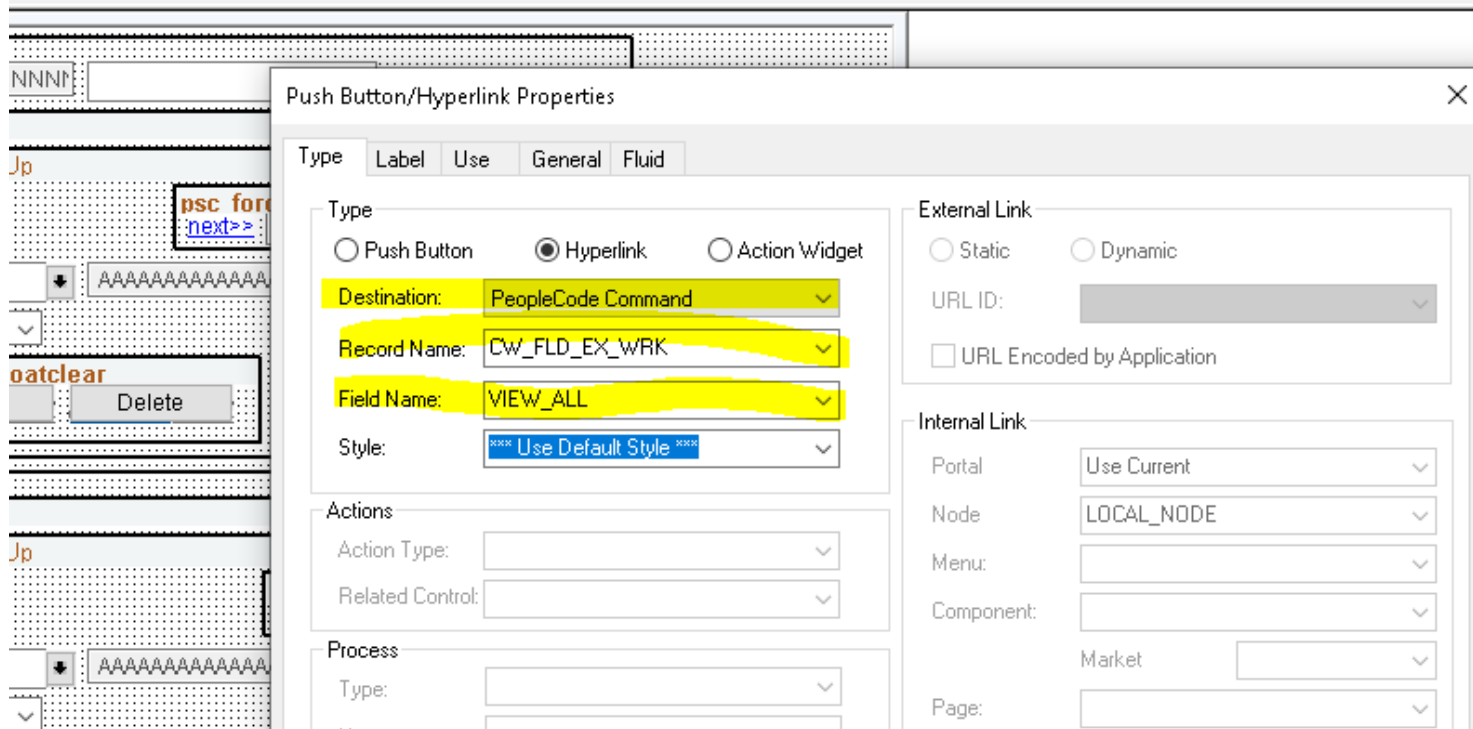
View All/View One Contd.

Add PeopleCode:

Page Activate example code:

```
/* default to view one */
CW_FLD_EX_WRK.GROUPBOX5.Visible = False;
```

VIEW_ALL Field Change example code:

```
CW_FLD_EX_WRK.GROUPBOX4.Visible = False;
CW_FLD_EX_WRK.GROUPBOX5.Visible = True;
```

VIEW_PB (view one) Field Change example code:

```
CW_FLD_EX_WRK.GROUPBOX4.Visible = True;
CW_FLD_EX_WRK.GROUPBOX5.Visible = False;
```

View All/View One Contd.

View One

View All/View One Contd.

View All

Styling Fluid Scroll Area Controls

Adding these new controls to the scroll will generally not be enough to provide the best experience. You will have to design and organize the page in a practical manner. In addition, form factor display should be heavily considered. Think about how the scroll will display on a mobile device, laptop, and desktop at minimum.

Styling Fluid Scroll Area Controls Cont.

Here is the final page design after performing steps 4, 6, and 7 of the classic to fluid conversion instructions.

Classic to Fluid Conversion

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Styling Fluid Scroll Area Controls Cont.

Styling Fluid Scroll Area Controls Cont.

Additional Examples

Admissions Application

Field Experience Log

Questions?

Or send to bradley.reeves@cwu.edu

Session surveys

1. Open the HEUG Events App on your phone, tablet, or laptop

2. Click on this session in your schedule

3. Then click the "Resources" button and "Survey"
   You will be required to login once with your Eventsential username and password.

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Thank you!

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