## How to create groups of fields on the IDE screen painter, that use the same area on the screen, but visible at different moments?

Suppose you have 4 GUI controls as seen on the following screen, and you want the "Code" label and the code-entry-field to appear alone in one moment and the "Yes/No?" check-box with the combo-box to appear without the entry-field on a different moment.

1) Start by right clicking on an empty area of the painted screen and select the "Group Item Designer" menu option and you will get the editor shown on the second screen

| B Scree     | n                             |          |                              | 😳 Palett   |
|-------------|-------------------------------|----------|------------------------------|--|
|             | Yes/No? Code:                 |          |                              | Comp<br>To Dat<br>To Dat<br>To Dat<br>Car<br>Stra<br>Gri<br>Sav<br>Sav |
|             | <b>v</b>                      | \$       | Undo Resize screen-1<br>Redo | <b>G</b> Jav   |
|             |                               | Å        | Cut                          |  |
|             |                               |          | Copy<br>Paste                |  |
|             |                               | ×        | Delete                       |  |
|             |                               |          | Select All                   |  |
|             |                               |          | Run As                       |  |
|             |                               |          | Debug As<br>Profile As       |  |
|             |                               |          | Validate                     |  |
| screen      | -1 📋 Working Storage 👸 Linkag | e Sect 💊 | Generate Program             |  |
| Droblar     | ms 📮 Console 😫 🛷 Search 🗎     | I Reco   | Group Item Designer          |  |
| The Problem | S CONSOLE ON A Search         | 000 00   | Tab Order                    |  |

| <ul> <li>■ 01 screen-1 (Screen)</li> <li>○ 03 screen-1-cb-1 (Check-Box)</li> <li>○ 03 screen-1-co-1 (Combo-Box)</li> <li>○ 03 screen-1-ef-1 (Entry-Field)</li> <li>○ 03 screen-1-la-1 (Label)</li> </ul> | Property         | Value<br>1<br>{257} |  |
|--|------------------|---------------------|--|
|  | screen-level     |                     |  |
|  | color            |                     |  |
|  | background-color |                     |  |
|  | foreground-color |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |
|  |                  |                     |  |

2) Click on the "+" button to create a new group. Do it twice to create 2 groups for this case.

| Image: Screen-1 (Screen)           Image: Old screen-1-cb-1 (Check-Box)           Image: Old screen-1-co-1 (Combo-Box)           Image: Old screen-1-cf-1 (Entry-Field)           Image: Old screen-1-la-1 (Label) | Property         | Value     |
|--|------------------|-----------|
|  | screen-level     | 1         |
|  | color            | {257}     |
|  | background-color |           |
| 03 filler (Group-Item)   | foreground-color |           |
| (多 03 filler (Group-Item)<br>逆 03 filler (Group-Item)  |                  |           |
|  |                  | OK Cancel |

3) Use the down arrow button to move the items down, so they appear below each group you created.

| 01 screen-1 (Screen) Move item Down                            | Property         | Value |
|--|------------------|-------|
| ✓ 03 screen-1-cb-1 (Check-Box)<br>03 screen-1-co-1 (Combo-Box) | screen-level     | 3     |
|  | column           | 14.4  |
| 03 screen-1-ef-1 (Entry-Field)                                 | color            | {0}   |
| Contraction (Contraction)                                      | background-color |       |
| 03 filler (Group-Item)   | foreground-color |       |
| 👺 03 filler (Group-Item)                                       | line             | 10.9  |
|  | occurs           | 0     |
|  |                  |       |
|  |                  |       |

4) Then use the right arrow button on each item to include them on each group

| a 📰 01 screen-1 (Screen)  | Property         | Value |
|---|------------------|-------|
| <ul> <li>If iller (Group-Item)</li> <li>05 screen-1-Ia-1 (Label)</li> </ul> | screen-level     | 3     |
|   | column           | 8.4   |
| 1 05 screen-1-ef-1 (Entry-Field)  | color            | {0}   |
| a 🖉 03 filler (Group-Item)  | background-color |       |
| ✓ 05 screen-1-cb-1 (Check-Box)  | foreground-color |       |
| 05 screen-1-co-1 (Combo-Box)  | line             | 14.5  |
|   | occurs           | 0     |
|   |                  |       |
|   |                  |       |

5) Then create a visible variable for each group (ef-visible & cb-combo-visible) as seen on the following screens

| a := 01 screen-1 (Screen)  | Property  | Value  | 8   |
|--|---|--|-----|
| a 🖉 03 filler (Group-Item)   | column variable   |  |     |
| Contemporary Conte | enabled   | NONE   |     |
| 1 05 screen-1-ef-1 (Entry-Field)   | enabled variable  | NONE   |     |
| a 🦉 03 filler (Group-Item)   | Event procedure   |  |     |
| ✓ 05 screen-1-cb-1 (Check-Box)   | Exception procedure   |  |     |
| 05 screen-1-co-1 (Combo-Box)   | foreground-color  |  | -   |
|  | foreground-color vari   | ak   |     |
|  | line  | 1  |     |
|  | line variable   |  |     |
|  | (name)  | filler                                       |     |
|  | level   | 3  |     |
|  | occurs  | 3  |     |
|  | visible   | 0<br>NONE                                    |     |
|  | visible variable  | 77 ef-visible pic 9                          |     |
|  |   |  |     |
|  | oup Item Designer   | OK Cano                                      | :el |
|  | oup Item Designer   | OK Cano                                      | el  |
| ₽ = ⅔ ← → ↑ ↓ 4 □ 01 screen-1 (Screen)   | oup Item Designer   | OK Canc                                      | el  |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>■ 03 filler (Group-Item)</li> </ul>   |   |  | :el |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-Ia-1 (Label)</li> </ul>   | Property  |  | cel |
| <ul> <li>□ 11 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-Ia-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> </ul>   | Property<br>column variable   | Value  | cel |
| <ul> <li>□ □1 screen-1 (Screen)</li> <li>○ □3 screen-1 (Screen)</li> <li>○ □3 screen-1-la-1 (Label)</li> <li>□ □5 screen-1-e-1 (Entry-Field)</li> <li>○ □3 screen-1-e-1 (Entry-Field)</li> </ul>   | Property<br>column variable<br>enabled  | Value  | cel |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-la-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 05 screen-1-cf-1 (Chck-Box)</li> </ul>  | Property<br>column variable<br>enabled<br>enabled variable  | Value  | cel |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>▲ ○ 03 filler (Group-Item)</li> <li>▲ ○ 05 screen-1-1a-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>▲ ○ 03 filler (Group-Item)</li> </ul>   | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure   | Value  | cel |
| <ul> <li>■ ※ ← → ↑ ↓</li> <li>■ 01 screen-1 (Screen)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-la-1 (Label)</li> <li>■ 05 screen-1-et-1 (Entry-Field)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-cb-1 (Check-Box)</li> </ul>  | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure  | Value  | cel |
| <ul> <li></li></ul>  | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color  | Value  | :el |
| <ul> <li>■ ※ ← → ↑ ↓</li> <li>■ 01 screen-1 (Screen)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-la-1 (Label)</li> <li>■ 05 screen-1-et-1 (Entry-Field)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-cb-1 (Check-Box)</li> </ul>  | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color<br>foreground-color vari   | Value<br>NONE                                | cel |
| <ul> <li>■ ※ ← → ↑ ↓</li> <li>■ 01 screen-1 (Screen)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-la-1 (Label)</li> <li>■ 05 screen-1-et-1 (Entry-Field)</li> <li>■ 03 filler (Group-Item)</li> <li>■ 05 screen-1-cb-1 (Check-Box)</li> </ul>  | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color vari<br>line   | Value<br>NONE                                |     |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-la-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 05 screen-1-cf-1 (Chck-Box)</li> </ul>  | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color<br>foreground-color vari<br>line<br>line variable                              | Value<br>NONE<br>at<br>1                     |     |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-la-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-cb-1 (Check-Box)</li> </ul>   | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color vari<br>line<br>line variable<br>(name)  | Value<br>NONE<br>at<br>1<br>filler           | cel |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-la-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-cb-1 (Check-Box)</li> </ul>   | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color vari<br>line<br>line variable<br>(name)<br>level                               | Value<br>NONE<br>at<br>1<br>filler<br>3      | cel |
| <ul> <li>□ 01 screen-1 (Screen)</li> <li>○ 03 filler (Group-Item)</li> <li>○ 05 screen-1-la-1 (Label)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 05 screen-1-ef-1 (Entry-Field)</li> <li>○ 05 screen-1-cb-1 (Check-Box)</li> </ul>   | Property<br>column variable<br>enabled<br>enabled variable<br>Event procedure<br>Exception procedure<br>foreground-color<br>foreground-color vari<br>line<br>line variable<br>(name)<br>level<br>occurs | Value<br>NONE<br>at<br>1<br>filler<br>3<br>0 | cel |

6) Then on your procedural code, when you want one group to disappear, move 0 to visible variable and move 1 to visible variable of the other group and display the screen again. In the following example one paragraph is available for each case and your code would perform one or the other accordingly.

| Show-e  | ntry-field.       | Move 0 to cb- | combo-visible   | Move   | 1 to ef-          |
|---------|-------------------|---------------|-----------------|--------|-------------------|
| visible | Display screen-1. | Show-cb-and-  | -               |        |                   |
| combo.  | Move 1 to cb-co   | mbo-visible   | Move 0 to ef-vi | isible | Display screen-1. |

Online URL: <u>https://support.veryant.com/support/phpkb/article.php?id=284</u>