

## User Interface - Bug #4240

### wrong labels for fill-in fields from array.

08/22/2019 02:48 AM - Marius Gligor

<b>Status:</b>	New	<b>Start date:</b>	08/22/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No	<b>version:</b>	
<b>vendor_id:</b>	GCD		
<b>Description</b>			

### History

#### #1 - 08/22/2019 02:50 AM - Marius Gligor

- File *population.p* added
- File *oe-labels.png* added
- File *fwd-labels.png* added

#### #2 - 08/22/2019 03:08 AM - Marius Gligor

- File deleted (*fwd-labels.png*)

#### #3 - 08/22/2019 03:08 AM - Marius Gligor

- File deleted (*oe-labels.png*)

#### #4 - 08/22/2019 03:08 AM - Marius Gligor

- File *fwd-labels.png* added
- File *oe-labels.png* added

#### #5 - 08/22/2019 12:41 PM - Greg Shah

From Marius via email:

I found a bug in one test which was successfully converted but the generated labels for widgets are wrong!

Looking inside the conversion generated files I found:

- *population.p.lexer* and *population.p.parser* looks good.
- inside *population.p.ast* I found:

```
<annotation datatype="java.util.ArrayList" key="label">
  <listitem datatype="java.lang.String" value="&quot;Romania&quot;"/>
  <listitem datatype="java.lang.String" value="&quot;USA&quot;"/>
</annotation>
```

and

```
<ast col="4" hidden="true" id="167503724561" line="2" text="LABEL" type="KW_LABEL">
  <annotation datatype="java.lang.Long" key="support_level" value="16400"/>
  <ast col="10" id="167503724563" line="2" text="&quot;Romania&quot;" type="STRING">
    <annotation datatype="java.lang.Long" key="support_level" value="16400"/>
  </ast>
  <ast col="21" id="167503724566" line="2" text="&quot;USA&quot;" type="STRING">
    <annotation datatype="java.lang.Long" key="support_level" value="16400"/>
  </ast>
</ast>
```

```
- but, inside PopulationFrame1.jast I found:
  <ast col="0" id="176093659247" line="0" text="setLabel" type="METHOD_CALL">
    <ast col="0" id="176093659248" line="0" text="populationsArray1" type="REFERENCE"/>
    <ast col="0" id="176093659249" line="0" text="Romania\nUSA[2]" type="STRING"/>
  </ast>
  <ast col="0" id="176093659250" line="0" text="setLabel" type="METHOD_CALL">
    <ast col="0" id="176093659251" line="0" text="populationsArray0" type="REFERENCE"/>
    <ast col="0" id="176093659252" line="0" text="Romania\nUSA[1]" type="STRING"/>
  </ast>
  which are wrong labels: Romania\nUSA[2] respectiv Romania\nUSA[1].
```

- the generated Java class PopulationFrame1.java contains:

```
populationsArray1.setLabel("Romania\nUSA[2]");
populationsArray0.setLabel("Romania\nUSA[1]");
```

which are wrong values due to the bug in PopulationFrame1.jast

#### #6 - 08/22/2019 12:45 PM - Greg Shah

Although we parse LABEL "one", "two" in the format phrase for an extent variable, the downstream conversion does not properly handle the case where there are more than one STRING children of the KW\_LABEL. This syntax is meant to provide different labels for elements in an extent variable.

We must correct all the downstream label processing.

#### #7 - 08/22/2019 12:56 PM - Marius Gligor

In the mean time I simplified the 4GL code in population.p keeping only relevant statements and I renamed the frame as f, so the correct file names are now PopulationF.jast and PopulationF.java when you convert the attached sample.

#### Files

population.p	258 Bytes	08/22/2019	Marius Gligor
fwd-labels.png	3.89 KB	08/22/2019	Marius Gligor
oe-labels.png	4.72 KB	08/22/2019	Marius Gligor