

## EDIT - bug #7883

### IndexOutOfBoundsException in TermComboElement

11/02/2018 08:56 AM - Patrick Plitzner

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	New	<b>Due date:</b>	
<b>Assignee:</b>	Patrick Plitzner	<b>% Done:</b>	50%
<b>Category:</b>	taxeditor	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.4	<b>Found in Version:</b>	
<b>Severity:</b>	normal		

#### Description

The combo element does not filter its elements according to the feature. It always shows all terms.

Example: Configure a feature to be quantitative and allow only meter as measurement unit.

```
login : admin
```

```
editor version : 5.4.0
```

```
server : test.e-taxonomy.eu (edit-test) / cyprus
```

```
schema version : 5.0.0.0.20180514
```

```
os : Windows Server 2012 R2 6.3 amd64
```

```
java : 1.8.0_121
```

```
java.lang.IndexOutOfBoundsException: Index: 1, Size: 1
```

```
    at java.util.ArrayList.rangeCheck(ArrayList.java:653)
    at java.util.ArrayList.get(ArrayList.java:429)
    at eu.etaxonomy.taxeditor.ui.combo.TermComboElement.widgetSelected(TermComboElement.java:286)
    at org.eclipse.swt.widgets.TypedListener.handleEvent(TypedListener.java:249)
    at org.eclipse.swt.widgets.EventTable.sendEvent(EventTable.java:84)
    at org.eclipse.swt.widgets.Display.sendEvent(Display.java:4418)
    at org.eclipse.swt.widgets.Widget.sendEvent(Widget.java:1079)
    at org.eclipse.swt.widgets.Widget.sendEvent(Widget.java:1103)
    at org.eclipse.swt.widgets.Widget.sendEvent(Widget.java:1088)
    at org.eclipse.swt.widgets.Widget.notifyListeners(Widget.java:802)
    at org.eclipse.swt.custom.CCombo.listEvent(CCombo.java:1175)
    at org.eclipse.swt.custom.CCombo$1.handleEvent(CCombo.java:116)
    at org.eclipse.swt.widgets.EventTable.sendEvent(EventTable.java:84)
    at org.eclipse.swt.widgets.Display.sendEvent(Display.java:4418)
    at org.eclipse.swt.widgets.Widget.sendEvent(Widget.java:1079)
    at org.eclipse.swt.widgets.Display.runDeferredEvents(Display.java:4236)
```

```
        at org.eclipse.swt.widgets.Display.readAndDispatch(Display.java:3824)
        at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine$4.run(PartRenderingEngine.java:1121)
        at org.eclipse.core.databinding.observable.Realm.runWithDefault(Realm.java:336)
        at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine.run(PartRenderingEngine.java:1022)
        at org.eclipse.e4.ui.internal.workbench.E4Workbench.createAndRunUI(E4Workbench.java:150)
        at org.eclipse.ui.internal.Workbench$5.run(Workbench.java:693)
        at org.eclipse.core.databinding.observable.Realm.runWithDefault(Realm.java:336)
        at org.eclipse.ui.internal.Workbench.createAndRunWorkbench(Workbench.java:610)
        at org.eclipse.ui.PlatformUI.createAndRunWorkbench(PlatformUI.java:148)
        at eu.etaxonomy.taxeditor.Application.start(Application.java:24)
        at org.eclipse.equinox.internal.app.EclipseAppHandle.run(EclipseAppHandle.java:196)
    )
        at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.runApplication(EclipseAppLauncher.java:134)
        at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.start(EclipseAppLauncher.java:104)
        at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:388)
        at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:243)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at org.eclipse.equinox.launcher.Main.invokeFramework(Main.java:673)
        at org.eclipse.equinox.launcher.Main.basicRun(Main.java:610)
        at org.eclipse.equinox.launcher.Main.run(Main.java:1519)
```

## Associated revisions

### Revision 1610c4b8 - 11/02/2018 09:19 AM - Patrick Plitzner

ref #7883 Revert visibility of class members + delete ambiguous method

### Revision dca5b257 - 11/02/2018 11:59 AM - Patrick Plitzner

ref #7883 Revert visibility of class members + delete ambiguous method

## History

### #1 - 11/02/2018 09:18 AM - Patrick Plitzner

Fixed the problem by removing ambiguous method `setTerms()` which "overwrote" the actual filtering of the terms according to the definition of the feature.

```
public void setTerms(List<T> terms) //#1
```

```
public void setTerms(ArrayList<T> terms) // #2
```

This is a real tricky case because the methods are actually different and are called depending on the type of the reference of the list.

```
List list = new ArrayList();  
setTerms(list); //calls #1
```

```
ArrayList list = new ArrayList();  
setTerms(list); //calls #2
```

@Katja: Aside from the method, you changed a lot of class members from private to protected and also added getters and setters. I suppose this was for MisappliedRelationshipComboElement. But in the end you did not use those methods so I removed them. Please review.

**#2 - 11/02/2018 09:42 AM - Patrick Plitzner**

- Status changed from *New* to *Resolved*
- Assignee changed from *Patrick Plitzner* to *Katja Luther*
- % Done changed from *0* to *50*

**#3 - 11/05/2018 12:10 PM - Katja Luther**

- Status changed from *Resolved* to *Closed*
- Assignee changed from *Katja Luther* to *Patrick Plitzner*

this works as expected.