

FIRST - Bug #3877

Exception occurs generating XML for FillInTheBlank blank question

03/10/2009 12:29 PM - Ryan McFall

Status:	Resolved	Start date:	03/10/2009
Priority:	Normal	Due date:	
Assignee:	Sandeep Namilikonda	% Done:	0%
Category:	parser	Estimated time:	0.00 hour
Target version:	client-prototype	Spent time:	0.00 hour
Bugzilla-Id:	3877		

Description

When attempting to import my computer graphics exam from this semester, which I will attach, I get the following exception on pressing the Finish button in the wizard:

```
Exception in thread "AWT-EventQueue-0" java.lang.StringIndexOutOfBoundsException: String index out of range: 0
at java.lang.String.charAt(Unknown Source)
at edu.msu.first.parser.question.FillInTheBlankResponseItem.generateXML(FillInTheBlankResponseItem.java:82)
at edu.msu.first.parser.question.Question.generateXML(Question.java:180)
at edu.msu.first.parser.gui.MainWindow.importPDF(MainWindow.java:690)
at edu.msu.first.parser.gui.MainWindow$3.wizardCompleted(MainWindow.java:591)
at edu.msu.first.wizard.WizardFrame.fireWizardCompleted(WizardFrame.java:330)
at edu.msu.first.wizard.WizardFrame.finish(WizardFrame.java:230)
```

History

#1 - 03/10/2009 12:31 PM - Ryan McFall

This is the file that causes the exception.

#2 - 03/10/2009 12:32 PM - Ryan McFall

Notes: I drew a "header" selection around the heading at the top of the document, and also ignored the introductory text on the first page. I also draw boxes around the two vector images which are simply empty rectangles on two separate pages. I suspect the error occurs without these two actions, however.

#3 - 03/12/2009 03:59 AM - Ryan McFall

I'm wrong about the error occurring without the actions mentioned in comment [#2](#). The header selection is not important; but if you don't do the image rasterization process on pages 2 and 3, the error does not occur.

#4 - 03/25/2009 09:57 AM - Sandeep Namilikonda

Reason for Bug 3877: generateXML() in FillInTheBlankResponseItem.java

```
while(condition1) {
while(condition2) // condition1 violation is not caught here!
// resulted in stringOutOfBound access! {}
}
```

Fix: Simple modification to the inside while() to check for cond1 && cond2 resolved the issue!

The violation is only caught when the "blank" appears at the end of the question text! When the image corresponding to question 2 is not scanned explicitly by the user, the last blank is not at the end of the question text. e.g.,

----- Start snippet -----

...

at the far left edge. The shape of the object should remain the same. (3 pts) Line # to change: c. Draw the contents of the

screen window if the code from part (a) above were modified as follows

...

...

----- End of snippet -----

#5 - 03/27/2013 02:24 PM - Redmine Admin

Original Bugzilla ID was 3877

Files

midterm-2009.pdf	67.5 KB	03/10/2009	Ryan McFall
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