

FIRST - Bug #3923

Exception can be thrown trying to ignore question number in question text

03/31/2009 01:04 PM - Ryan McFall

Status:	Resolved	Start date:	03/31/2009
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:	3923		

Description

Start with doc10.pdf, and when selecting vector images, select each image as an individual image, and don't select the letters as part of the image (not sure if the letter part matters).

When Finish is clicked, then the following exception is thrown:

```
Exception in thread "AWT-EventQueue-0" java.lang.StringIndexOutOfBoundsException: String index out of range: 77
at java.lang.String.charAt(Unknown Source)
at edu.msu.first.parser.question.ShortAnswerResponseItem.parse(ShortAnswerResponseItem.java:43)
at edu.msu.first.parser.question.Question.parse(Question.java:315)
```

History

#1 - 03/31/2009 10:37 PM - Sandeep Namilikonda

The Assessment parser routine assumes that image tags will always precede question text, which creates a problem when the choices of a question are images!

When choices of a question are images, the parser requires the user to explicitly choose those images. In such an instance, the separateQuestions(), associateImages() and combineSplitQuestions() routines seem to misconstrue the images to be a part of next question or worse, consider an image tag (for individual choices) as a separate question! These deviant cases can wrongly be labeled as SHORT_ANSWER due to the current logic of classifying questions in PDFAssessment2_4.java!!!

For example, consider the question 28 from doc10.pdf. Here is some debug info that shows the sequence of steps and the defect of the process:

----- SAMPLE -----

INITIAL TEXT

28. You can inject a small dye into cells and by light microscopy observe the dye. Which of the following illustrates cells from a tissue that forms gap junctions?

29. Which of the following is CORRECTLY matched?

A. nucleolus : protein synthesis

AFTER SEPARATE QUESTIONS

28. You can inject a small dye into cells and by light microscopy observe the dye. Which of the following illustrates cells from a tissue that forms gap junctions?

29. Which of the following is CORRECTLY matched?

A. nucleolus : protein synthesis

AFTER ASSOCIATE IMAGES

28. You can inject a small dye into cells and by light microscopy observe the dye. Which of the following illustrates cells from a tissue that forms gap junctions?

29. Which of the following is CORRECTLY matched?

A. nucleolus : protein synthesis

AFTER COMBINE AND SPLIT

28. You can inject a small dye into cells and by light microscopy observe the dye. Which of the following illustrates cells from a tissue that forms gap junctions?

29. Which of the following is CORRECTLY matched?

A. nucleolus : protein synthesis

----- END OF SAMPLE -----

#2 - 07/08/2009 07:05 PM - Sandeep Namilikonda

Handling images being a part of the choices of a multiple-choice question type has been problematic as is the case with doc10.pdf. But, I do not seem to get the exception that this bug was reported for. Hence, I am updating the status on this one to "Works for me".

This bug is related to 3924 as the cause of the two bugs boils down to incorrect association of vector images selected by the user when those images are choices!

#3 - 03/27/2013 02:25 PM - Redmine Admin

Original Bugzilla ID was 3923