Black Box Defects

Defect	Defect Description	Correction	Module where the defect is found	Severity (S1, S2 or S3)
	In Instructor client, when click "Create Test", an			
	"Open File" window is prompted instead of "Save			
	File" window. Only by cancelling the promted	Swapped the actions of "Create Test"		
	window can user enter "Create Test" interface, which			
1	is very confusing.	actionListener	Menu	2
		Swapped the actions of "Edit Test" and		
	In Instructor client, clicking "Edit Test" button will go	"Grade Test" in corresponding		
2	into "Grade Test" mode	actionListener	Menu	2
	In Instructor client, opening a saved test, user will	In reconstructComboBox change i <		
3	find last question is lost	test.length() -1 to i < test.length()	Create Test	2
	In Instructor client, edit test function does not			
	prompt user to open a test, so that user has to load	This defect actually doesn't exist.		
4	a test manually from menu	Resolved by fixing defect #1	Create Test	3
	In Instructor client - "Create Test" - "Multiple Choice			
	Questions", creating a new choice will add 2 same	Removed replicated function call for add		
5	choices into choice list	choice	Create Test	2
	In Instructor client - "Create Test" - "Multiple Choice			
	Questions", deleted choice will appear, twice as	Remove deleted choice from "question"		
6	described in Defect #2, when a new choice is added	as well as from "listModel"	Create Test	2
	In Instructor client - "Create Test" - "Multiple Choice			
	Questions", sometimes when adding a new choice	Save content of "answerTextArea" in		
7	the textfield of "Answer" will be emptied	"saveQuestion()"	Create Test	2
	In Instructor client - "Create Test", content in the			
	textfield of "Answer" is not saved when user switch	Save content of "answerTextArea" in		
8	to other questions	"saveQuestion()"	Create Test	2
	In Instructor client - "Create Test", changing "Point			
	possible" for one question will change that of all	Reload "pointsPossible" for when		
9	questions in current exam	question is switched	Create Test	2
	In Instructor client - "Create Test", "Point possible"			
40	for every question will be lost when current exam is	Reload "pointsPossible" for when	O (T (
10	saved, closed, and then re-opened	question is switched	Create Test	2
		In prevQButtonActionPerformed change		
		if(!(test.length() == 0) && current <		
		test.length()) to if(!(test.length() == 0)		
		&& current >1); change current++ to		
		current; In nextQButtonActionPerformed change		
		question = test.getQuestion(current -		
		1);		
		questionComboBox.setSelectedIndex(c		
		urrent - 1); to question =		
		test.getQuestion(current + 1);		
	In Instructor client - "Create Test", "previous" and	questionComboBox.setSelectedIndex(c		
11	"next" buttons are reversed in effect	urrent + 1)	Create Test	2

	In Instructor client - "Create Test" - "Short Answer			
	Questions", consecutively creating two question			
	without clicking next or previous button will cause	Call "saveQuestion" in actionListener of		
12	the content of first question to be lost	new question button	Create Test	2
	In Instructor client - "Create Test" - "Programming			
	Questions", consecutively creating two question			
	without clicking next or previous button will cause	Call "saveQuestion" in actionListener of		
13	the content of first question to be lost	new question button	Create Test	2
	In Instructor client - "Create Test", content in the			
	textfield of "Answer" is not saved when user save	Save content of "answerTextArea" in		
14	current test and then re-open it	"saveQuestion()"	Create Test	2
	In Instructor client - "Create Test" - "Properties",			
	when entering everything in expected format, user			
	needs to click "Apply" twice to close the	Delete duplicated creation of property		
15	"Properties" window	window instance	Create Test	3
	In Instructor client - "Create Test" - "Properties",			
	user cannot use "cancel" buttons to close the	Close "Properties" window in cancel		
16	window	button's actionListener	Create Test	2
	In Instructor client - "Create Test" - "Save" and "Save	Swapped the actions of "Save" and		
	as" is opposite, "Save" acts as "Save as", and	"Save As" in corresponding		
17	"Save as" acts as "Save"	actionListener	Create Test	2
		Add if(((ArrayList)		
		test.getQuestions()).size() > 0){		
	In Instructor client - "Create Test", if consecutively	saveQuestion();		
	create new questions without clicking next or	}statement in newSAActionPerformed(),		
	previous button, required fields of each question can	newMCActionPerformed(),		
18	be left empty	newProgActionPerformed()	Create Test	3
	In Instructor client - "Create Test", user can save a	Add if else statement if empty then		
19	test even if required fields are empty	prompt the user anddo nothing	Create Test	3
		if(Integer.parseInt(ptsPossStr)< 0		
		Integer.parseInt(ptsPossStr) >100){		
	In Instructor client - "Create Test", "Point possible"	error("Please enter a valid point.");		
20	can take neative values	}	Create Test	3
	In Instructor client - "Create Test", user need to click	Delete duplicated creation of property		
21	exit 2 times to exit properties window	window instance	Create Test	3
	In Instructor client - "Create Test", when user enter a	if(Integer.parseInt(ptsPossStr)< 0		
	very large number in "point possible" field all other	Integer.parseInt(ptsPossStr) >100){		
	questions change to the one	error("Please enter a valid point.");		
22	question user changed	 }	Create Test	2
	In Instructor client - "Create Test", when user enter a	if(Integer.parseInt(ptsPossStr)< 0		
	very large number in "point possible" field and save	Integer.parseInt(ptsPossStr) >100){		
	there will not be any prompt to let ueser re-enter and	error("Please enter a valid point.");		
23	the change will not be saved.	}	Create Test	3
	In Instructor client - "Create Test", when user open a	Catch IOException and throw a		
	file of wrong format, there will not be prompt to let	message to let user know about the		
24	user knwon is invalid, but the file won't be opened	format problem	Create Test	3
	In Instructor client - "Edit Test", when a test is	Save content of "answerTextArea" in		
25	opened, all textfields for "Answer" are empty	"saveQuestion()"	Edit Test	2
	In Instructor client - "Edit Test" - "Properties" - "Start			
	Time", when enter an invalid time the program will	Add try cath block in it to prompt user		
26	crash without prompt	to renter	Edit Test	3

	Time", when	Add try cath block in it to prompt user		
	enter an invalid time the program will crash without	to renter		
	prompt			
	In Instructor client - "Edit Test" - "Properties" - when			
	click on apply button the start time and end time will			
28	be saved even if the end time is less than start time	Add if statement to check validity	Edit Test	
	In Instructor client - "Edit Test", deleting a question	Delete last item from		
	will not decrease number of questions, but only	"questionComboBox" when a question		
29	replace deleted question with its preceding question	is deleted	Edit Test	3
	In Instructor client - "Edit Test", when user changes			
	a time, cancel button in properties window will then			
30	not work	Implement cancle function	Edit Test	2
	In Instructor client - "Edit Test", user need to click	Delete duplicated creation of property		
31	exit 2 times to exit properties window	window instance	Edit Test	3
	In Instructor client - "Edit Test", when user enter a			
	very large number in "point possible" field all other			
32	questions change to the one question user changed	Add try catch block to avoid it.	Edit Test	2
	In Instructor client - "Edit Test", when user enter a			
	very large number in "point possible" field and save,			
	there will not be any prompt to let ueser re-enter and	Add try cath block to catch invalid		
33	the change will not be saved.	number	Edit Test	3
	In Instructor client - "Edit Test", when user open a	Catch IOException and throw a		
	file of wrong format, there will not be prompt to let	message to let user know about the		
34	user knwon is invalid, but the file won't be opened	format problem	Edit Test	3
		Swapped the actions of "Save" and		
	In Instructor client - "Edit Test", "Save As" function	"Save As" in corresponding		
35	does not work	actionListener	Edit Test	2
	In Instructor client - "Grade Test", if no test key is			
	given, clicking auto-grade will cause the whole	Catch the exception, and add a popup		
36	system crash	alert to notify user to load key first.	Grade Test	2
	In Instructor client - "Grade Test", if user open			
	student answer first, then open test key, user will	Catch the exception, and add a popup		
37	not be able to grade	alert to notify user to load key first.	Grade Test	3
	In Instructor client - "Grade Test", student key and			
	test answer will always be the same file, there is no			
38	need to create two tabs	Design problem, no correction.	Grade Test	3
	In Instructor client - "Grade Test", user cannot see			
39	the key answer	Fixed by fixing student client module	Grade Test	1
	In Instructor client - "Grade Test", user cannot see			
40	the student answer	Fixed by fixing student client module	Grade Test	1
	In Instructor client - "Grade Test", user cannot make			
41	comments	Enabled comment textarea.	Grade Test	2
	In Instructor client - "Grade Test", auto-grade does	Fixed by moving the loadQuetion code		
42	not work	block beyond the grade part	Grade Test	2
<u> </u>	In Instructor client - "Grade Test", the score can't be	Fixed by correcting the next and prev		
	saved correctly, only one question score will be	button, also modify action when		
43	saved	clicking questionComboBox	Grade Test	1
	In Instructor client - "Grade Test", total points is			<u> </u>
	wrong, it becomes negative, which should be			
44	positive	Fixed the calculation of the points	Grade Test	1
	In Instructor client - "Grade Test", Language label	Tweaked the defualt text for language	2.230 .000	ļ ·
45	shows incorrectly	label	Grade Test	2
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In Instructor client - "Grade Test", the layout of "student answer" is not correct, it should be above			
the student answer text field	No need to fix	Grade Test	3
In Instructor client - "Grade Test", score percentage			
is wrong	Fixed the calculation of the points	Grade Test	1
In Instructor client - "Grade Test", "save" option acts			
as "save as"	Swapped these two button functions	Grade Test	2
In Instructor client - "Grade Test", "previous" and			
"next" is opposite	Swapped these two button functions	Grade Test	2
In Instructor client - "Grade Test", "save as" option			
acts as "save"	Swapped these two button functions	Grade Test	2
In Instructor client - "Grade Test", "exit" doesn't			
work.	Added exit function for that button	Grade Test	2
In Instructor client - "Grade Test", selecting a wrong			
file will cause the system to crash	Catch exceptions to avoid crash	Grade Test	1
In Instructor client - "Grade Test", the layout for	·		
everything is not good after maximum the window	No need to fix	Grade Test	3
	check if the 'questions' arraylist is null		
In the student client, after typing first and last name,	'select a test first' text in		
	NextActionPerformed()	Take Test	1
·	V		
	change into 'select test'	Take Test	2
'			
	•		
In the student UI, hit 'previous' in left bottom corner.			
·		Take Test	2
In the student UI, hit 'next' in right bottom corner, the			
_		Take Test	2
	,,		
In the student UI, type first and last name then hit			
	. ,		
		Take Test	2
	V		
In the student UL type first and last name then hit			
		Take Test	2
•			1
	_	Take Test	3
· · · · · · · · · · · · · · · · · · ·	I 		1
	Work with clicking once	Take Test	1
	-	1 2.1.3 1 301	1
		Take Test	1
		. 4.13 1 001	
·		Take Teet	1
	alapiaying the questions	Tane Test	
correct answer input text area for short answer			
COLLECT SHORE INPUT IEVE SIES IOI SHOLL SHORE			
questions instead it might display the multiple			
questions, instead it might display the multiple choice UI.	Change method setQuestionData	Take Test	1
	In Instructor client - "Grade Test", "save" option acts as "save as" In Instructor client - "Grade Test", "previous" and "next" is opposite In Instructor client - "Grade Test", "save as" option acts as "save" In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", selecting a wrong file will cause the system to crash In Instructor client - "Grade Test", the layout for everything is not good after maximum the window In the student client, after typing first and last name, hit 'next', the program crashes. In the student client, the 'Exit test' is a wrong label text which should be 'open exam' In the student UI, hit 'previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit 'previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit 'previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit 'next' in right bottom corner, the program got no response In student client, after submitting the exam, click 'open test' button. There is no response. In student client, you have to click 'exit test' twice to select an exam In student client, after opening the exam, the first question can not be shown correctly. In student client, some questions are not displayed in correct order. In student client, some questions do not have the	In Instructor client - "Grade Test", "save" option acts as "save as" In Instructor client - "Grade Test", "previous" and "next" is opposite In Instructor client - "Grade Test", "save as" option acts as "save" In Instructor client - "Grade Test", "save as" option acts as "save" In Instructor client - "Grade Test", "save as" option acts as "save" In Instructor client - "Grade Test", "selecting a wrong file will cause the system to crash In Instructor client - "Grade Test", the layout for everything is not good after maximum the window In the student client, after typing first and last name, hit 'next', the program crashes. In the student client, the "Exit test is a wrong label text which should be 'open exam' In the student UI, hit 'previous' in left bottom corner, the program got no response In the student UI, thit 'next' in right bottom corner, the program got no response In the student UI, type first and last name then hit 'previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit 'previous' in left bottom corner, the program got no response In student client, after submitting the exam, click 'open test' button. There is no response In student client, you have to click 'exit test' twice to select an exam In student client, after opening the exam, the first question can not be shown correctly. In student client, the exam questions are not displaying the questions are not displaying the questions and concert of sipplaying the questions of sipplayi	In Instructor client - "Grade Test", "save" option acts as "save as" In Instructor client - "Grade Test", "previous" and "next" is opposite In Instructor client - "Grade Test", "previous" and "next" is opposite In Instructor client - "Grade Test", "previous" and "next" is opposite In Instructor client - "Grade Test", "save as" option acts as "save" In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", "exit" doesn't work. In Instructor client - "Grade Test", the layout for everything is not good after maximum the window In the student client, after typing first and last name, hit "next", the program crashes. In the student client, the 'Exit test' is a wrong label text which should be 'open exam' In the student UI, hit 'previous' in left bottom corner, the program got no response In the student UI, hit 'next' in right bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type first and last name then hit previous' in left bottom corner, the program got no response In the student UI, type fir

	supposed to let user select different questions for	displaying the questions		
	the exam. We found that these two buttons can't			
	function correctly to show each questions.			
	In student client, the point is always displayed as	Update corresponding points info when		
66	25, regardless of the actual points assigned	loading question data.	Take Test	2
	In student client, the answer field is not displayed			
67	correctly	Change method setQuestionData	Take Test	1

White Box Defects

Defect			Module where the defect is	Severity (S1, S2
#	Defect Description	Correction	found	or S3)
	In student client, it didn't disable 'previous' button			
1	after opening the test	add Previous.setEnabled(false);	In StudentTestify	S3
	Inside 'NextActionPerformed' and			
	'PreviousActionPerformed' functions, wrong			
	questionIndex increment and decrement order which			
	makes the 'previous' and 'next' button not display	rewrite the two functions to show		
2	questions in order	correct order	In StudentTestify	S1
	In student client, when saving answer for short			
	answer question, the question prompt is also stored	Remove the extra question info		
3	in the answer	stored in the answer	In StudentTestify	S1
	Alert message dialog has content as title, and title	Swapped the positions of content		
4	as content	and title for dialog message.	In GraderTestify	S3
		Add condition in if statement to		
	In Instructor client - "Edit", opening an invalid file will	only check length of "test" if it is	In	
5	result in uncatched NullPointerException	not null	InstructorTestify	S3
	In student client, for multiple choice question, the	Save the answer for multiple		
6	answer is not actually saved	choice question	In StudentTestify	S1