

## Introduction

WorkshopReviewSystemTestAll.java contains all test case of methods in WorkshopReviewSystem Class exclude main method

WorkshopReviewSystemTestMain.java contains test case of main methods in WorkshopReviewSystem Class

WorkshopReviewPaperTest.java contains all test case of methods in WorkshopPaper Class

WorkshopReviewTest.java contains all test case of methods in WorkshopReview Class

Other .java files named the same as the original code is the version that we modified during the process of wrting test case

## Bug Report For WorkshopReviewSystem (Main Class)

ID	date	time	Class	Method	Bug description
1	05/04/2017	15:53	Review System	PaperOverview	No exception caught when no papers
2	06/04/2017	11:43	Review System	PaperOverview	Only print paper title and one score instead of average score and each review
3	05/04/2017	16:24	Review System	PrintAPaper	For input paperID = 1, the output showed the details of Paper 2 not Paper 1
4	05/04/2017	16:24	Review System	PrintAPaper	No error created for paperID not in array
5	06/04/2017	11:43	Review System	PrintAPaper	Return error message when a paper doesn't have three score and review

## JUnit Test Cases Report

ID	time created	Method	Test Description	input	output	Pass/Fail	Pass/Fail time	Reason
<b>Class: WorkshopReview</b>								
1	31-03-17	Default Constructor	test if this method set a default score and review	null	two assertEquals methods are passed	Passed	31/03/2017	
2	31-03-17	Main Constructor	test if this method set score and review correctly	4 and "great"	two assertEquals methods are passed	Passed	06/04/2017	
3	31-03-17		input a review that less than minimum amount of text to test if exception can be caught.	word	output catch exception	Failed	06/04/2017	No exceptin caught
4	31-03-17		test if this method can return score	null	Returnedscore	Passed	06/04/2017	
5	31-03-17		input scores out of range to test if exception can be caught	6	catch exception, errThrown1 = true	Failed	06/04/2017	No exceptin caught
6	31-03-17	setScore	input scores out of range to test if exception can be caught	-1	catch exception, errThrown2 = true	Failed	06/04/2017	No exceptin caught
7	31-03-17		input scores out of range to test if exception can be caught	-4	catch exception, errThrown3 = true	Failed	06/04/2017	No exceptin caught
8	31-03-17		sets the value to the correct variable and produce error	score = 1	produce an error if something is wrong	Passed	06/04/2017	
9	31-03-17	getReview	returns the text-based review part as a String	null	the text-based review part of the object,	Passed	06/04/2017	
10	31-03-17	setReview	input a review that less than minimum amount of text to test if exception can be caught.	str3 = "word"	output catch exception	Failed	06/04/2017	No exception thrown for text too short
11	31-03-17		update of the text-based review	str2 = "great"	produce an error	Passed	06/04/2017	
12	31-03-17	toString	test if this method override the the standard toString method by return the correct string	null	return score of a paper, text-based review on a new line	Passed	06/04/2017	
<b>Class: WorkshopPaper</b>								
13	31-03-17	Default Constructor	Test the output of the default constructor is working as designed		Default paper title Array of null review objects	Passed	2/4/17 21:32	
14	31-03-17	Main Constructor	Test the Main constructor responds to different input correctly and throws exception when there is erroneous input	"Paper Title"	"Paper Title" as paper title Array of null review objects	Passed	2/4/17 21:32	
15	31-03-17			"" (empty string)	Exception thrown	Failed	2/4/17 21:32	No exception thrown
16	31-03-17	getPTitle	Check the getPTitle() correctly returns the paper title	"Title"	"Title"	Passed	2/4/17 21:32	
17	31-03-17	setPTitle	Test the title is set properly, and the error message is thrown if the string is empty	"Test Title"	"Test Title"	Passed	6/4/2017	
18	31-03-17			""	Exception thrown	Failed	6/4/2017	No exception caught
19	31-03-17	addReview	Test review is added correctly	testReview (x3 for PReview [0..2])	PReview[0..2] not null	Passed	2/4/17 21:32	
20	31-03-17		Test error is thrown for incorrect input and adding more reviews than limit	""	Exception thrown	Failed	6/4/17 11:48	No exception created for incorrect input
21	31-03-17			testReview when there are already 3 reviews in array	Exception thrown			
22	31-03-17	getAverageScore	Test the average score is correctly created	null - no average to calculate	Exception thrown	Failed	2017-04-02 21:3	No exception caught
				Average score	Float average score	Passed	4/4/2017 16:17	
23	31-03-17	toString()	Test the string representation is correctly created	testReviews[]	Details of the reviews same as what was given	Failed	4/4/2017 16:04	Actual output did not match expected output.

Class: WrokshopReviewSystem (Main Class)							
24	06-04-17	PrintAPaper	test if this method can print a non-exists paper	5	Something went wrong: java.lang. IndexOutOfBoundsException: Index: 4, Size: 3	Passed	06/04/2017 13:0
25	06-04-17	PrintAPaper	test if this method can print a specified paper with its title followed by all of its scores and reviews	3	paper indexed 3 with all of its scores and reviews	Passed	06/04/2017 13:0
26	06-04-17	InputCommandThatNonExists	this test case is to test what if user input a command that cannot be recognised by the system	AAA	Something went wrong: java.lang. NumberFormatException: For input string: "AAA"	Passed	06/04/2017 13:0
27	06-04-17	PrintPaperOverview	Test if this method can print all paper title followed by its average score and all of its reviews	null	print out all paper with one of its score	Failed	06/04/2017 13:0 Bug: it should print out all paper title followed by its average score and all of its reviews instead of all paper with one of its score and no review
28	06-04-17	AddPaper	Add paper to workshop	lalala	[Paper added]	Passed	06/04/2017 13:0
29	06-04-17	AddReview	Add review and score to a exists paper	1, 4, lalala	[Review added to Paper 1]	Passed	06/04/2017 13:0
30	06-04-17	Exit	test if the loop can successfully exit	X	Goodbye!	Passed	06/04/2017 13:0
31	06-04-17	AddReview	input a paper that non-exists to test if this method throw err message when user tries to add review to a non-exists paper	8, 4, lalala	Something went wrong: java.lang. IndexOutOfBoundsException: Index: 7, Size: 3	Passed	06/04/2017 13:0

## Change Log For What We've Changed In The Original Version of Code

ID	time changed	Method	Original Test Description/Change Description	Reason for change	Test Results	Pass/Fail time	Comments
WorkshopReview							
3			input a review that less than minimum amount of text to test if exception can be caught.	/	Failed	06/04/2017	No exception thrown for text too short
3-1	6-4-2017 12:32	Main Constructor	Added exception throwing for input length less than 5	Needed to test for the minimum amount of text and throw exception when the input is incorrect	Passed	06/04/2017 - 13:03	
5,6,7		setScore	input scores out of range to test if exception can be caught	/	Failed	06/04/2017	No exception caught
8-1	6-4-2017 13:09	setScore	Added test conditions and exception throwing	Needed to check if the input is in range and throw exception when the input is incorrect	Failed	06/04/2017 - 13:16	Input out of range (Range checked was incorrect)
5-8-1;	6-4-2017 13:19	setScore	Changed ranges checked for	Set incorrect ranges for the input	Passed	06/04/2017 - 13:46	
10		setReview			Failed	06/04/2017	No exception thrown for text too short
10-1	6-4-2017 13:46	setReview	Added exception throwing for input length less than 5	Needed to test for the minimum amount of text and throw exception when the input is incorrect	Passed	06/04/2017 - 13:46	
WorkshopPaper							
15			no exception thrown for empty string	/	Failed	2/4/17 21:32	No exception caught
15-1	06-04-17	Main Constructor	Added exception throwing to method	create an error if the string is empty	Passed	06/04/2017 - 13:55	
18		setPTitle	no exception thrown for empty string	/	Failed	6/4/2017	No exception caught
18-1	06/04/2017 - 13:57		Added exception throwing to method	create an error if the string is empty	Passed	06/04/2017 - 14:00	
20		addReview	No error created for incorrect input	/	Failed	2017-04-06 11:48	No exception created for incorrect input
20-1	06-04-17		correct input	add the error while incorrect input	Passed	6/4/17 14:00	
22			No error created	/	Failed	06/04/2017	
22-1	06-04-17	getAverageScore	Added error checking and exception throwing for null and over array limit errors		Passed	06/04/2017	
23		toString()	Output did not match	/	Failed	4/4/2017 16:04	Actual output did not match expected output. Scores did not match.
23-1	06-04-17		ROutputs index[0~4] Math.round.out[1~5]	ROutput should be Math-1	Passed	06/04/2017 13:48:00	