

# The University of the West Indies, St. Augustine COMP 2603 Object Oriented Programming I Assignment 1 Grade Sheet 2020/2021 Semester 2

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Criteria	Mark
VirtualMeetingSystem	15.0
VirtualRoom	21.5
BreakoutRoom	18.5
Participant	8.0
Bonuses	+5.0
Total (out of 86.0)	68.0

### **Grade Changes**

Observe any deductions or bonuses that you have incurred or earned.

Bonuses	
Merit Bonus: Early submission	+5.0

#### VirtualMeetingSystem Class

Passed 7/10; Partially passed 1/10; Failed 2/10.

Method	createVirtualRoom(String)	2.0 / 2.0	
Method	addParticipant(String, int)	2.0 / 2.0	
Method	openBreakoutRoom(int)	2.0 / 2.0	
Method	closeBreakoutRoom(int)	2.0 / 2.0	
Method	listAllBreakoutRooms()	2.0 / 2.0	
Method	findParticipantBreakoutRoom(String)	2.0 / 2.0	
Method	listParticipantsInAllBreakoutRooms()	2.0 / 2.0	
Method	allocateParticipants(String)	0.0 / 10.0	
Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.isEmpty()" because "participantID" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.			
Check VirtualMe	Check VirtualMeetingSystem() constructor exists and is accessible		
Check loadParti	Check loadParticipantData(String) method exists and is accessible		
Check createVirtualRoom(String) method exists and is accessible		✓	
Check public void allocateParticipants(String) method exists and defined properly		✓	
Check VirtualMeetingSystem() constructor creates instances			

<pre>Check loadParticipantData(String) method runs with args ("src/al/test/resources/participant.dat")</pre>	✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓
Check allocateParticipants(String) method runs with args ("RR")	×

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Method	listParticipants(int)	0.0 / 3.0
Returns some values but not all. We only some.	e expect your method to return a set of values, but in	nstead yours returns
Check VirtualMeetingSystem()	constructor exists and is accessible	✓
Check createVirtualRoom(Strin	g) method exists and is accessible	✓
Check openBreakoutRoom(int) m	ethod exists and is accessible	✓
Check addParticipant(String,	int) method exists and is accessible	✓
Check public String listParti	cipants(int) method exists and defined properly	✓
Check VirtualMeetingSystem()	constructor creates instances	✓
Check createVirtualRoom(Strin	g) method runs with args ("VirtualRoom")	✓
Check openBreakoutRoom(int) m	ethod runs with args (1)	✓
Check addParticipant(String,	int) method runs with args ("12345678", 1)	✓

Method	loadParticipantData(String)	1.0 / 5.0

X

Does not alter the participant attribute as it should. We expect your method to change the values of a particular set of instance attributes, but yours doesn't, or it does it in an unanticipated way.

Check listParticipants(int) method returns a string containing "VirtualRoom" with

args (1)

Check VirtualMeetingSystem() constructor exists and is accessible

Check public void loadParticipantData(String) method exists and defined properly ✓

Check VirtualMeetingSystem() constructor creates instances ✓

Check loadParticipantData(String) method runs with args

Check first attribute with type String[] equals an array with size 50

("src/al/test/resources/participant.dat")

Check participant attribute equals an a	array with size 50 +1.0	
Check first attribute with type String[] ed	quals not an array containing null +1.0	,
Check participant attribute equals not	an array containing null	

### VirtualRoom Class

Passed 11/14; Partially passed 2/14; Failed 1/14.

Attribute	breakoutRooms	1.0 / 1.0
Attribute	name	1.0 / 1.0
Constructor	VirtualRoom(String, int)	2.0 / 2.0
Constructor	VirtualRoom(String)	2.0 / 2.0
Method	<pre>findBreakoutRoom(int)</pre>	2.0 / 2.0
Method	createBreakoutRooms()	2.0 / 2.0
Method	openBreakoutRoom(int)	2.0 / 2.0
Method	closeBreakoutRoom(int)	2.0 / 2.0
Method	findParticipantBreakoutRoom(String)	2.0 / 2.0
Method	getNumberOfBreakoutRooms()	1.0 / 1.0
Method	addParticipantToBreakoutRoom(String, int)	2.0 / 2.0
Attribute	breakoutRoomLimit	0.0 / 1.0
Does not have final modifier. We expect your attribute or method to have the final keyword indicating that it is a constant attribute or an un-overridable method, but yours doesn't.		
Check private final i	nt breakoutRoomLimit attribute exists and defined properly	×

Method listParticipantsInBreakoutRoom(int)	1.0 / 2.0
Returns incorrect values. We expect your method to return a particular value, but instead yours return another incorrect one.	rns
Check VirtualRoom(String) constructor exists and is accessible	✓
Check createBreakoutRooms() method exists and is accessible	✓
Check addParticipantToBreakoutRoom(String, int) method exists and is accessible	✓
Check public String listParticipantsInBreakoutRoom(int) method exists and defined properly	✓
Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom")	✓
Check createBreakoutRooms() method runs	✓
Check listParticipantsInBreakoutRoom(int) method returns not null with args (1) +1.0	✓
Check listParticipantsInBreakoutRoom(int) method returns string containing attribute name with args (1)	×

Method	listBreakoutRooms()	1.5 / 2.0
Returns correct information in an incorrect given format, but instead yours returns the	ct format. We expect your method to return a particular value value in another format.	e in a
Check VirtualRoom(String) constructor	or exists and is accessible	✓
Check createBreakoutRooms() method	exists and is accessible	✓
Check public String listBreakoutRo	poms() method exists and defined properly	✓
Check VirtualRoom(String) constructor	or creates instances with args ("VirtualRoom")	✓
Check createBreakoutRooms() method	runs	✓
Check listBreakoutRooms() method re	eturns string containing attribute name +1.5	✓
	eturns string containing attribute breakoutRooms in \n breakoutRoom_2.toString() \n	×

Passed 14/16; Partially passed 1/16; Failed 1/16.

Attribute	breakoutRoomID	1.0 / 1.0
Attribute	breakoutRoomSize	1.0 / 1.0
Attribute	participants	1.0 / 1.0
Attribute	numberOfParticipants	1.0 / 1.0
Attribute	open	1.0 / 1.0
Attribute	breakoutRoomNumberCounter	1.0 / 1.0
Constructor	BreakoutRoom(String)	3.0 / 3.0
Method	findParticipant(String)	2.0 / 2.0
Method	<pre>getBreakoutRoomID()</pre>	1.0 / 1.0
Method	getOpen()	1.0 / 1.0
Method	addParticipant(String)	2.0 / 2.0
Method	openBreakoutRoom()	1.0 / 1.0
Method	closeBreakoutRoom()	1.0 / 1.0
Method	getNumberOfParticipants()	1.0 / 1.0
Method	listParticipants()	0.0 / 2.0
Returns incorrect values. W another incorrect one.	e expect your method to return a particular value, but inst	tead yours returns
Check BreakoutRoom(Stri	ng) constructor exists and is accessible	✓
Check addParticipant(St	ring) method exists and is accessible	✓
Check openBreakoutRoom(	) method exists and is accessible	✓
Check breakoutRoomID att	ribute exists	✓

Check public String listParticipants() method exists and defined properly	1	
Check BreakoutRoom(String) constructor creates instances with args ("Room1")	✓	
Check openBreakoutRoom() method runs	✓	
Check addParticipant(String) method runs with args ("10000000")	✓	
Check listParticipants() method returns string containing attribute breakoutRoomID	X	

Method	toString()	0.5 / 2.0
Returns some values but not all. We expect your method to return a set of values, but instead yours returns only some.		
Check BreakoutRoom(String) constructor exist	ts and is accessible	✓
Check breakoutRoomID attribute exists		✓
Check numberOfParticipants attribute exists		✓
Check public String toString() method exist	sts and defined properly	✓
Check BreakoutRoom(String) constructor crea	ites instances with args ("Room1")	✓
Check openBreakoutRoom() method runs		✓
Check toString() method returns string contain	ning attribute breakoutRoomID +0.5	✓
Check toString() method returns string contain	ning attribute numberOfParticipants	X

## Participant Class

Passed 5/5.

Attribute	participantID	1.0 / 1.0
Constructor	Participant(String)	2.0 / 2.0
Method	toString()	2.0 / 2.0
Method	verifyID(String)	2.0 / 2.0