

# 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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F1

Criteria	Mark
VirtualMeetingSystem	16.0
VirtualRoom	5.0
BreakoutRoom	11.5
Participant	5.0
Bonuses	+5.0
Total (out of 86.0)	42.5

## **Grade Changes**

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0

## VirtualMeetingSystem Class

Passed 4/10; Failed 6/10.

Method allocateParticipants(String)	10.0 / 10.0
Method openBreakoutRoom(int)	2.0 / 2.0
Method closeBreakoutRoom(int)	2.0 / 2.0
Method findParticipantBreakoutRoom(String)	2.0 / 2.0
Method loadParticipantData(String)	0.0 / 5.0
Does not alter the IDs attribute as it should. We expect your method to change the values of a of instance attributes, but yours doesn't, or it does it in an unanticipated way.	a particular set
Check VirtualMeetingSystem() constructor exists and is accessible	✓
Check public void loadParticipantData(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 first attribute with type String[] equals an array with size 50	✓
Check IDs attribute equals an array with size 50	×

Method	createVirtualRoom(String)	0.0 / 2.0

Does not alter the VR 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 VirtualMeetingSystem() constructor exists and is accessible	✓	
Check public void createVirtualRoom(String) method exists and defined properly	✓	
Check VirtualMeetingSystem() constructor creates instances	✓	
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓	
Check first attribute with type VirtualRoom equals not null	✓	
Check VR attribute equals not null	X	

Method add	lParticipant(String,	int)	0.0 / 2.0
Does not work as anticipated for valid inpossibly return an anticipated value) who	• •	• • • • • • • • • • • • • • • • • • • •	and
Check VirtualMeetingSystem() const	ructor exists and is acce	ssible	✓
Check loadParticipantData(String)	method exists and is ac	cessible	✓
Check createVirtualRoom(String) m	ethod exists and is acce	ssible	✓
Check openBreakoutRoom(int) method	d exists and is accessible	е	✓
Check public boolean addParticipa	nt(String, int) meth	od exists and defined properly	✓
Check VirtualMeetingSystem() const	ructor creates instances		✓
Check loadParticipantData(String) ("src/al/test/resources/participa	•		✓
Check createVirtualRoom(String) m	ethod runs with args ("	/irtualRoom")	✓
Check openBreakoutRoom(int) method	d runs with args (1)		✓
Check addParticipant(String, int)	method returns true wi	th args ("12345678", 1)	X

Method	listParticipants(int)	0.0 / 3.0
Is not defined. We expect your attribisn't or not defined at all.	oute, method or constructor to be defined i	n a particular way, but yours
Check VirtualMeetingSystem() C	constructor exists and is accessible	✓
Check createVirtualRoom(String	g) method exists and is accessible	✓
Check openBreakoutRoom(int) me	ethod exists and is accessible	✓

Check addParticipant(String, int) method exists and is accessible	1
Check public String listParticipants(int) method exists and defined properly	X
Method listAllBreakoutRooms()	0.0 / 2.0
Returns some values but not all. We expect your method to return a set of values, but instead yours only some.	s returns
Check VirtualMeetingSystem() constructor exists and is accessible	✓
Check createVirtualRoom(String) method exists and is accessible	✓
Check public String listAllBreakoutRooms() method exists and defined properly	✓
Check VirtualMeetingSystem() constructor creates instances	✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓
Check listAllBreakoutRooms() method returns a string containing "VirtualRoom"	X
Method listParticipantsInAllBreakoutRooms()	0.0 / 2.0
Is not defined. We expect your attribute, method or constructor to be defined in a particular way, bu isn't or not defined at all.	t yours
Check VirtualMeetingSystem() constructor exists and is accessible	✓
Check createVirtualRoom(String) method exists and is accessible	✓
Check openBreakoutRoom(int) method exists and is accessible	✓
Check addParticipant(String, int) method exists and is accessible	✓
Check public String listParticipantsInAllBreakoutRooms() method exists and defined	×

### VirtualRoom Class

properly

Passed 2/14; Partially passed 2/14; Failed 10/14.

Attribute name 1.0 / 1.0

Method	listBreakoutRooms()	2.0 / 2.0
Attribute	breakoutRooms	0.0 / 1.
Is not defined. We expect isn't or not defined at all.	your attribute, method or constructor to be defined in a particular way, I	but yours
Check private Breakou	tRoom[] breakoutRooms attribute exists and defined properly	>
Attribute	breakoutRoomLimit	0.0 / 1.0
	er. We expect your attribute or method to have the final keyword indican un-overridable method, but yours doesn't.	ting that it
Check private final in	nt breakoutRoomLimit attribute exists and defined properly	>
Constructor	VirtualRoom(String)	0.5 / 2.0
Does not initialize the namattributes, but yours does	ne attribute. We expect your constructor to initialize a particular set of in he.	stance
Check public VirtualRo	pom(String) constructor exists and defined properly	•
Check VirtualRoom(Str	ing) constructor creates instances with args ("VirtualRoom") +0.5	•
Check name attribute equa	als "VirtualRoom"	>
Constructor	VirtualRoom(String, int)	1.5 / 2.0
Does not initialize the brea	akoutRooms attribute. We expect your constructor to initialize a particulurs doesn't.	ar set of
Check public VirtualRo	pom(String, int) constructor exists and defined properly	·
Check VirtualRoom(Str. 10) +0.5	ing, int) constructor creates instances with args ("VirtualRoom",	•
Check name attribute equa	als "VirtualRoom" +0.5	v

Check breakoutRoomLimit attribute equals 10 +0.5

Check breakoutRooms attribute equals an array with size 10

Does not work as anticipated for valid inputs. We expect your method to work in a particular way possibly return an anticipated value) when given valid inputs, but yours doesn't.	(and
Check VirtualRoom(String) constructor exists and is accessible	1
Check createBreakoutRooms() method exists and is accessible	✓
Check public BreakoutRoom findBreakoutRoom(int) method exists and defined properly	✓
Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom")	✓
Check createBreakoutRooms() method runs	1
Check findBreakoutRoom(int) method returns not null with args (1)	×
Method createBreakoutRooms()	0.0 / 2.0
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We expeattribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a	•
Check VirtualRoom(String) constructor exists and is accessible	✓
Check breakoutRooms attribute exists	×
Method openBreakoutRoom(int)	0.0 / 2.0
Method openBreakoutRoom(int)  Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experiently attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a second constructor to be defined in a particular way.	ect your
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We expe	ect your
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experiently attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experimentally attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a Check VirtualRoom(String) constructor exists and is accessible	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We expeditive attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a Check VirtualRoom(String) constructor exists and is accessible  Check createBreakoutRooms() method exists and is accessible	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We expenditure attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a Check VirtualRoom(String) constructor exists and is accessible  Check createBreakoutRooms() method exists and is accessible  Check closeBreakoutRoom(int) method exists and is accessible	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experattribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a Check VirtualRoom(String) constructor exists and is accessible  Check createBreakoutRooms() method exists and is accessible  Check closeBreakoutRoom(int) method exists and is accessible  Check breakoutRooms attribute exists	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We expectative the stable because testing relies on the breakoutRooms attribute that is not defined. We expectative the stable because testing relies on the breakoutRooms attribute that is not defined. We expectative the stable because testing relies on the breakoutRooms attribute that is not defined. We expectative that is not defined. We expectative that is not defined.	ect your all.
Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experimentally attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a Check VirtualRoom(String) constructor exists and is accessible  Check createBreakoutRooms() method exists and is accessible  Check closeBreakoutRoom(int) method exists and is accessible  Check breakoutRooms attribute exists  Method  closeBreakoutRoom(int)  Is not testable because testing relies on the breakoutRooms attribute that is not defined. We experimentally attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at a second constructor to be defined in a particular way, but yours isn't or not defined at a second constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined at a constructor to be defined in a particular way, but yours isn't or not defined in a particular way, but yours isn't or not defined in a particular way, but yours isn't or not defined in a particular way.	ect your all.

Check breakoutRooms attribute exists X findParticipantBreakoutRoom(String) Method 0.0 / 2.0Is not testable because testing relies on the listParticipantsInBreakoutRoom method that is not defined. We expect your attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at all. Check VirtualRoom(String) constructor exists and is accessible Check createBreakoutRooms() method exists and is accessible Check listParticipantsInBreakoutRoom(int) method exists and is accessible getNumberOfBreakoutRooms() Method 0.0 / 1.0Returns abnormal values. We expect your method to return a particular value, but instead yours returns a value that is not feasible nor valid. Check VirtualRoom(String) constructor exists and is accessible Check breakoutRoomLimit attribute exists Check public int getNumberOfBreakoutRooms() method exists and defined properly Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom") Check getNumberOfBreakoutRooms() method returns value equal to attribute X breakoutRoomLimit listParticipantsInBreakoutRoom(int) 0.0 / 2.0Method Is not defined. We expect your attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at all. 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

X

properly

Is not testable because testing relies on the listParticipantsInBreakoutRoom method that is not defined. We expect your attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at all.

Check VirtualRoom(String) constructor exists and is accessible

Check createBreakoutRooms() method exists and is accessible

Check listParticipantsInBreakoutRoom(int) method exists and is accessible

#### **BreakoutRoom Class**

Passed 6/16; Partially passed 3/16; Failed 7/16.

Attribute	breakoutRoomID	1.0 / 1.0
Attribute	participants	1.0 / 1.0
Attribute	numberOfParticipants	1.0 / 1.0
Attribute	open	1.0 / 1.0
Method	openBreakoutRoom()	1.0 / 1.0
Method	<pre>closeBreakoutRoom()</pre>	1.0 / 1.0
Attribute	breakoutRoomSize	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 int break	outRoomSize attribute exists and defined pro	pperly X

# Attribute breakoutRoomNumberCounter 0.0 / 1.0

Is not a class attribute. We expect your attribute to be defined with the static keyword indicating that it is a class attribute, but yours isn't.

X

Check private static int breakoutRoomNumberCounter attribute exists and defined properly

Constructor BreakoutRoom(String)	3.5 / 3.0
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Method findPartic	ipant(String)	0.0 / 2.0
Does not work as anticipated for valid inputs. We expossibly return an anticipated value) when given valid	•	nd
Check BreakoutRoom(String) constructor exists a	nd is accessible	✓
Check addParticipant(String) method exists and	d is accessible	1
Check openBreakoutRoom() method exists and is a	accessible	✓
Check public Participant findParticipant(St	cring) method exists and defined properly	✓
Check BreakoutRoom(String) constructor creates	instances with args ("Room1")	✓
Check openBreakoutRoom() method runs		✓
Check addParticipant(String) method runs with	args ("10000000")	✓

Method	<pre>getBreakoutRoomID()</pre>	0.0 / 1.0
Is not defined. We ex	spect your attribute, method or constructor to be defined in a pa	articular way, but yours

X

Check findParticipant(String) method returns not null with args ("10000000")

isn't or not defined at all.

Check breakoutRoomID attribute exists

Check public String getBreakoutRoomID() method exists and defined properly

Method getOpen() 0.0 / 1.0

Is not defined. We expect your attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at all.

Check BreakoutRoom(String) constructor exists and is accessible ✓

Check open attribute exists ✓

Check public boolean getOpen() method exists and defined properly

Check BreakoutRoom(String) constructor exists and is accessible

Method addParticipant(String) 0.0 / 2.0

possibly return an anticipated value) when given bad inputs, but yours doesn't.	
Check BreakoutRoom(String) constructor exists and is accessible	✓
Check openBreakoutRoom() method exists and is accessible	✓
Check public boolean addParticipant(String) method exists and defined properly	✓
Check BreakoutRoom(String) constructor creates instances with args ("Room1")	✓
Check openBreakoutRoom() method runs	✓
Check addParticipant(String) method returns true with args ("10000000")	X

Does not work as anticipated for invalid inputs. We expect your method to work in a particular way (and

Method	<pre>getNumberOfParticipants()</pre>	0.0 / 1.0
Is not defined. We expect your attri	ibute, method or constructor to be defined in a	particular way, but yours
Check BreakoutRoom(String) CO	nstructor exists and is accessible	✓
Check numberOfParticipants att	ribute exists	✓
Check public int getNumberOfF	Participants() method exists and defined pr	operly ×

N	Method toString()	1.0 / 2.0
	Returns correct information in an incorrect format. We expect your method to return a particular value given format, but instead yours returns the value in another format.	e in a
C	Check BreakoutRoom(String) constructor exists and is accessible	✓
C	Check breakoutRoomID attribute exists	✓
C	Check numberOfParticipants attribute exists	✓
C	Check public String toString() method exists and defined properly	✓
C	Check BreakoutRoom(String) constructor creates instances with args ("Room1")	✓
C	Check openBreakoutRoom() method runs	✓
C	Check toString() method returns string containing attribute breakoutRoomID +0.5	✓
C	Check toString() method returns string containing attribute numberOfParticipants +0.5	✓

Check  ${\tt toString()}$  method returns string containing attribute  ${\tt breakoutRoomID}$  in format  ${\tt breakoutRoomID}$  OPEN

X

Method	listParticipants()	1.0 / 2.0
Returns correct information in an incorrect format. We expect your method to return a particular value in a given format, but instead yours returns the value in another format.		lue in a
Check BreakoutRoom(String) construct	or exists and is accessible	✓
Check addParticipant(String) method	d exists and is accessible	✓
Check openBreakoutRoom() method exist	sts and is accessible	✓
Check breakoutRoomID attribute exists		✓
Check public String listParticipan	nts() method exists and defined properly	✓
Check BreakoutRoom(String) construct	cor creates instances with args ("Room1")	✓
Check openBreakoutRoom() method run	S	✓
Check addParticipant(String) method	d runs with args ("10000000")	✓
Check listParticipants() method retu	urns string containing attribute breakoutRoomID +1.0	✓
	urns string containing attribute participants in format icipant_2.toString() \n participant_	×

# Participant Class

Passed 3/5; Failed 2/5.

Attribute	participantID	1.0 / 1.0
Constructor	Participant(String)	2.0 / 2.0
Method	toString()	2.0 / 2.0
Method	verifyID(String)	0.0 / 2.0
Is not a class method. We expect your method to be defined with the static keyword indicating that it is an		

class method, but yours isn't.

Check public static boolean verifyID(String) method exists and defined properly

X

# Method getParticipantID() 0.0 / 1.0

Is not defined. We expect your attribute, method or constructor to be defined in a particular way, but yours isn't or not defined at all.

Check Participant(String) constructor exists and is accessible

Check participantID attribute exists

**√** 

/

 $\textbf{Check} \; \texttt{public} \; \; \texttt{String} \; \; \texttt{getParticipantID()} \; \textbf{method exists and defined properly}$ 

X