



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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77.91%

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Criteria	Mark
VirtualMeetingSystem	12.0
VirtualRoom	23.0
BreakoutRoom	21.0
Participant	6.0
Bonuses	+5.0
Total (out of 86.0)	67.0

Grade Changes

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

Bonuses

Question Bonus: allocateParticipants(String)

+5.0

VirtualMeetingSystem Class

Passed 2/10; Failed 8/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
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Method	<code>allocateParticipants(String)</code>	10.0 / 10.0
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Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
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Does not alter the allocations 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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
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Check <code>public void loadParticipantData(String)</code> method exists and defined properly	✓
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Check <code>VirtualMeetingSystem()</code> constructor creates instances	✓
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Check <code>loadParticipantData(String)</code> method runs with args ("src/al/test/resources/participant.dat")	✓
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Check first attribute with type <code>String[]</code> equals an array with size 50	✓
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Check allocations attribute equals an array with size 50	✗
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Method	<code>addParticipant(String, int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null`. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
Check <code>loadParticipantData(String)</code> method exists and is accessible	✓
Check <code>createVirtualRoom(String)</code> method exists and is accessible	✓
Check <code>openBreakoutRoom(int)</code> method exists and is accessible	✓
Check <code>public boolean addParticipant(String, int)</code> method exists and defined properly	✓
Check <code>VirtualMeetingSystem()</code> constructor creates instances	✓
Check <code>loadParticipantData(String)</code> method runs with args (<code>"src/al/test/resources/participant.dat"</code>)	✓
Check <code>createVirtualRoom(String)</code> method runs with args (<code>"VirtualRoom"</code>)	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✗

Method	<code>listParticipants(int)</code>	0.0 / 3.0
<p>Cannot be further tested because testing relies on the <code>openBreakoutRoom</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</code></p>		
Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible	✓	
Check <code>createVirtualRoom(String)</code> method exists and is accessible	✓	
Check <code>openBreakoutRoom(int)</code> method exists and is accessible	✓	
Check <code>addParticipant(String, int)</code> method exists and is accessible	✓	
Check <code>public String listParticipants(int)</code> method exists and defined properly	✓	
Check <code>VirtualMeetingSystem()</code> constructor creates instances	✓	
Check <code>createVirtualRoom(String)</code> method runs with args (<code>"VirtualRoom"</code>)	✓	
Check <code>openBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✗	

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke</code>		

"out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check VirtualMeetingSystem() constructor exists and is accessible	✓
Check createVirtualRoom(String) method exists and is accessible	✓
Check public boolean openBreakoutRoom(int) method exists and defined properly	✓
Check VirtualMeetingSystem() constructor creates instances	✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓
Check openBreakoutRoom(int) method runs with args (1)	✗

Method	closeBreakoutRoom(int)	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check VirtualMeetingSystem() constructor exists and is accessible	✓
Check createVirtualRoom(String) method exists and is accessible	✓
Check public boolean closeBreakoutRoom(int) method exists and defined properly	✓
Check VirtualMeetingSystem() constructor creates instances	✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓
Check closeBreakoutRoom(int) method runs with args (1)	✗

Method	listAllBreakoutRooms()	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

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 <code>VirtualMeetingSystem()</code> constructor creates instances	✓
Check <code>createVirtualRoom(String)</code> method runs with args ("VirtualRoom")	✓
Check <code>listAllBreakoutRooms()</code> method returns a string containing "VirtualRoom"	✗

Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Karsten_Lange_657828_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" is null`. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
Check <code>createVirtualRoom(String)</code> method exists and is accessible	✓
Check <code>openBreakoutRoom(int)</code> method exists and is accessible	✓
Check <code>addParticipant(String, int)</code> method exists and is accessible	✓
Check <code>public String findParticipantBreakoutRoom(String)</code> method exists and defined properly	✓
Check <code>VirtualMeetingSystem()</code> constructor creates instances	✓
Check <code>createVirtualRoom(String)</code> method runs with args ("VirtualRoom")	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)	✗

Method	<code>listParticipantsInAllBreakoutRooms()</code>	0.0 / 2.0
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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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
Check <code>createVirtualRoom(String)</code> method exists and is accessible	✓
Check <code>openBreakoutRoom(int)</code> method exists and is accessible	✓
Check <code>addParticipant(String, int)</code> method exists and is accessible	✓
Check <code>public String listParticipantsInAllBreakoutRooms()</code> method exists and defined properly	✗

VirtualRoom Class

Passed 12/14; Partially passed 2/14.

Attribute	<code>breakoutRooms</code>	1.0 / 1.0
Attribute	<code>breakoutRoomLimit</code>	1.0 / 1.0
Attribute	<code>name</code>	1.0 / 1.0
Constructor	<code>VirtualRoom(String)</code>	2.0 / 2.0
Method	<code>findBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>createBreakoutRooms()</code>	2.0 / 2.0
Method	<code>openBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>closeBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>findParticipantBreakoutRoom(String)</code>	2.0 / 2.0
Method	<code>getNumberOfBreakoutRooms()</code>	1.0 / 1.0
Method	<code>listParticipantsInBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>addParticipantToBreakoutRoom(String, int)</code>	2.0 / 2.0
Constructor	<code>VirtualRoom(String, int)</code>	1.5 / 2.0
Does not initialize the breakoutRooms attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.		
Check <code>public VirtualRoom(String, int)</code> constructor exists and defined properly		✓
Check <code>VirtualRoom(String, int)</code> constructor creates instances with args <code>("VirtualRoom", 10)</code> +0.5		✓
Check name attribute equals <code>"VirtualRoom"</code> +0.5		✓
Check <code>breakoutRoomLimit</code> attribute equals <code>10</code> +0.5		✓

Check breakoutRooms attribute equals an array with size 10



Method

listBreakoutRooms()

1.5 / 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.

Check VirtualRoom(String) constructor exists and is accessible



Check createBreakoutRooms() method exists and is accessible



Check public String listBreakoutRooms() method exists and defined properly



Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom")



Check createBreakoutRooms() method runs



Check listBreakoutRooms() method returns string containing attribute name +1.5



Check listBreakoutRooms() method returns string containing attribute breakoutRooms in format "breakoutRoom_1.toString() \n breakoutRoom_2.toString() \n ... breakoutRoom_n.toString() "



BreakoutRoom Class

Passed 15/16; Partially passed 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	<code>findParticipant(String)</code>	2.0 / 2.0
Method	<code>toString()</code>	2.0 / 2.0
Method	<code>getBreakoutRoomID()</code>	1.0 / 1.0
Method	<code>getOpen()</code>	1.0 / 1.0
Method	<code>addParticipant(String)</code>	2.0 / 2.0
Method	<code>openBreakoutRoom()</code>	1.0 / 1.0
Method	<code>closeBreakoutRoom()</code>	1.0 / 1.0
Method	<code>getNumberOfParticipants()</code>	1.0 / 1.0
Method	<code>listParticipants()</code>	1.0 / 2.0
<p>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.</p>		
Check <code>BreakoutRoom(String)</code> constructor exists and is accessible		✓
Check <code>addParticipant(String)</code> method exists and is accessible		✓
Check <code>openBreakoutRoom()</code> method exists and is accessible		✓
Check <code>breakoutRoomID</code> attribute exists		✓
Check <code>public String listParticipants()</code> method exists and defined properly		✓
Check <code>BreakoutRoom(String)</code> constructor creates instances with args (<code>"Room1"</code>)		✓
Check <code>openBreakoutRoom()</code> method runs		✓
Check <code>addParticipant(String)</code> method runs with args (<code>"10000000"</code>)		✓
Check <code>listParticipants()</code> method returns string containing attribute <code>breakoutRoomID</code> +1.0		✓
Check <code>listParticipants()</code> method returns string containing attribute <code>participants</code> in format <code>"participant_1.toString() \n participant_2.toString() \n ... participant_n.toString()"</code>		✗

Participant Class

Passed 4/5; Failed 1/5.

Attribute	<code>participantID</code>	1.0 / 1.0
Constructor	<code>Participant(String)</code>	2.0 / 2.0
Method	<code>toString()</code>	2.0 / 2.0
Method	<code>getParticipantID()</code>	1.0 / 1.0
Method	<code>verifyID(String)</code>	0.0 / 2.0
<p>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.</p> <p>Check <code>public static boolean verifyID(String)</code> method exists and defined properly</p>		