



**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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84.88%

**A**

Criteria	Mark
VirtualMeetingSystem	15.0
VirtualRoom	23.5
BreakoutRoom	21.5
Participant	8.0
Bonuses	+5.0
<b>Total (out of 86.0)</b>	<b>73.0</b>

## Grade Changes

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0

### VirtualMeetingSystem Class

Passed 7/10; Failed 3/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
Method	<code>addParticipant(String, int)</code>	2.0 / 2.0
Method	<code>listParticipants(int)</code>	3.0 / 3.0
Method	<code>openBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>closeBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>listAllBreakoutRooms()</code>	2.0 / 2.0
Method	<code>findParticipantBreakoutRoom(String)</code>	2.0 / 2.0
Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
Does not alter the arr 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		✓
Check <code>public void loadParticipantData(String)</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 first attribute with type <code>String[]</code> equals an array with size 50		✓

Check `arr` attribute equals an array with size 50



Method

`allocateParticipants(String)`

0.0 / 10.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot load from object array because "this.arr" 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 `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



Check `loadParticipantData(String)` method runs with args  
(`"src/al/test/resources/participant.dat"`)



Check `createVirtualRoom(String)` method runs with args (`"VirtualRoom"`)



Check `allocateParticipants(String)` method runs with args (`"RR"`)



Method

`listParticipantsInAllBreakoutRooms()`

0.0 / 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 `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 properly



Check `VirtualMeetingSystem()` constructor creates instances



Check `createVirtualRoom(String)` method runs with args (`"VirtualRoom"`)



Check `openBreakoutRoom(int)` method runs with args (`1`)



Check `addParticipant(String, int)` method runs with args (`"12345678", 1`)



Check `listParticipantsInAllBreakoutRooms()` method returns a string containing "12345678"



## VirtualRoom Class

Passed 13/14; Partially passed 1/14.

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, int)</code>	2.0 / 2.0
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
Method	<code>listBreakoutRooms()</code>	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 <code>createBreakoutRooms()</code> method exists and is accessible	✓
Check <code>public String listBreakoutRooms()</code> method exists and defined properly	✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args ( <code>"VirtualRoom"</code> )	✓
Check <code>createBreakoutRooms()</code> method runs	✓
Check <code>listBreakoutRooms()</code> method returns string containing attribute <code>name</code> +1.5	✓
Check <code>listBreakoutRooms()</code> method returns string containing attribute <code>breakoutRooms</code> in format <code>"breakoutRoom_1.toString() \n breakoutRoom_2.toString() \n ... breakoutRoom_n.toString()"</code>	✗

## BreakoutRoom Class

Passed 14/16; Partially passed 2/16.

Attribute	<code>breakoutRoomID</code>	1.0 / 1.0
Attribute	<code>breakoutRoomSize</code>	1.0 / 1.0
Attribute	<code>participants</code>	1.0 / 1.0
Attribute	<code>numberOfParticipants</code>	1.0 / 1.0
Attribute	<code>open</code>	1.0 / 1.0
Attribute	<code>breakoutRoomNumberCounter</code>	1.0 / 1.0
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
Constructor	<code>BreakoutRoom(String)</code>	3.5 / 3.0
Method	<code>listParticipants()</code>	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.		
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 ( "Room1" )		✓
Check <code>openBreakoutRoom()</code> method runs		✓
Check <code>addParticipant(String)</code> method runs with args ( "10000000" )		✓
Check <code>listParticipants()</code> method returns string containing attribute <code>breakoutRoomID + 1.0</code>		✓
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 5/5.

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>verifyID(String)</code>	2.0 / 2.0
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Method	<code>getParticipantID()</code>	1.0 / 1.0
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