



**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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84.30%

**A**

Criteria	Mark
VirtualMeetingSystem	18.0
VirtualRoom	24.0
BreakoutRoom	22.5
Participant	8.0
<b>Total (out of 86.0)</b>	<b>72.5</b>

## VirtualMeetingSystem Class

Passed 8/10; Partially passed 1/10; Failed 1/10.

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>listParticipantsInAllBreakoutRooms()</code>	2.0 / 2.0
Method	<code>allocateParticipants(String)</code>	0.0 / 10.0
<p>Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.length()" because "participantID" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p>		
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>public void allocateParticipants(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 <code>createVirtualRoom(String)</code> method runs with args ( <code>"VirtualRoom"</code> )		✓
Check <code>allocateParticipants(String)</code> method runs with args ( <code>"RR"</code> )		✗
Method	<code>loadParticipantData(String)</code>	1.0 / 5.0

Does not alter the participantID 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 loadParticipantData(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 first attribute with type String[] equals an array with size 50	✓
Check participantID attribute equals an array with size 50 +1.0	✓
Check first attribute with type String[] equals not an array containing null +1.0	✓
Check participantID attribute equals not an array containing null	✗

## VirtualRoom Class

Passed 14/14.

Attribute	breakoutRooms	1.0 / 1.0
Attribute	breakoutRoomLimit	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	listBreakoutRooms()	2.0 / 2.0
Method	findBreakoutRoom(int)	2.0 / 2.0
Method	createBreakoutRooms()	2.0 / 2.0
Method	openBreakoutRoom(int)	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

## BreakoutRoom Class

Passed 15/16; Partially passed 1/16.

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>listParticipants()</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

## 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
Method	<code>getParticipantID()</code>	1.0 / 1.0