



**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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63.95%

**B-**

Criteria	Mark
VirtualMeetingSystem	10.0
VirtualRoom	17.5
BreakoutRoom	19.5
Participant	8.0
<b>Total (out of 86.0)</b>	<b>55.0</b>

## VirtualMeetingSystem Class

Passed 5/10; Failed 5/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
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Method	<code>addParticipant(String, int)</code>	2.0 / 2.0
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Method	<code>openBreakoutRoom(int)</code>	2.0 / 2.0
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Method	<code>closeBreakoutRoom(int)</code>	2.0 / 2.0
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Method	<code>findParticipantBreakoutRoom(String)</code>	2.0 / 2.0
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Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
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Does not alter the `idArray` 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 ( <code>"src/al/test/resources/participant.dat"</code> )	✓
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Check first attribute with type <code>String[]</code> equals an array with size 50	✓
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Check <code>idArray</code> attribute equals an array with size 50	✗
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Method	<code>allocateParticipants(String)</code>	0.0 / 10.0
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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	✓
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Check <code>loadParticipantData(String)</code> method exists and is accessible	✓
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Check <code>createVirtualRoom(String)</code> method exists and is accessible	✓
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Check <code>public void allocateParticipants(String)</code> method exists and defined properly	✗
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Method	<code>listParticipants(int)</code>	0.0 / 3.0
Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Chad_Bhagwandeem_657831_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[x]" 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 listParticipants(int)</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 )		✓
Check <code>addParticipant(String, int)</code> method runs with args ( "12345678", 1 )		✓
Check <code>listParticipants(int)</code> method returns a string containing "VirtualRoom" with args ( 1 )		✗

Method	<code>listAllBreakoutRooms()</code>	0.0 / 2.0
Does not work as anticipated: produced java.lang.ArrayIndexOutOfBoundsException: Index 5 out of bounds for length 5. 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>public String listAllBreakoutRooms()</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>listAllBreakoutRooms()</code> method returns a string containing "VirtualRoom"		✗

Method	<code>listParticipantsInAllBreakoutRooms()</code>	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Chad\_Bhagwandeem\_657831\_assignsubmission\_file\_.Participant.getParticipantID()" because "this.participants[x]" 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 listParticipantsInAllBreakoutRooms()</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 )	✓
Check <code>addParticipant(String, int)</code> method runs with args ( "12345678", 1 )	✓
Check <code>listParticipantsInAllBreakoutRooms()</code> method returns a string containing "12345678"	✗

## VirtualRoom Class

Passed 9/14; Partially passed 2/14; Failed 3/14.

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
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"</code> , <code>10</code> ) +0.5		✓
Check <code>name</code> attribute equals <code>"VirtualRoom"</code> +0.5		✓
Check <code>breakoutRoomLimit</code> attribute equals <code>10</code> +0.5		✓
Check <code>breakoutRooms</code> attribute equals an array with size <code>10</code>		✗
Method	<code>listBreakoutRooms()</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.ArrayIndexOutOfBoundsException: Index 5 out of bounds for length 5</code> . We expect your method to run without problems, but instead yours contains bad code that creates problems.		
Check <code>VirtualRoom(String)</code> 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>		✗
Method	<code>getNumberOfBreakoutRooms()</code>	0.0 / 1.0
Returns abnormal values. We expect your method to return a particular value, but instead yours returns a value that is not feasible nor valid.		
Check <code>VirtualRoom(String)</code> constructor exists and is accessible		✓

Check <code>breakoutRoomLimit</code> attribute exists	✓
Check <code>public int getNumberOfBreakoutRooms()</code> method exists and defined properly	✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args ( <code>"VirtualRoom"</code> )	✓
Check <code>getNumberOfBreakoutRooms()</code> method returns value equal to attribute <code>breakoutRoomLimit</code>	✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "out.Chad_Bhagwandeem_657831_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[x]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</code>		
Check <code>VirtualRoom(String)</code> constructor exists and is accessible		✓
Check <code>createBreakoutRooms()</code> method exists and is accessible		✓
Check <code>addParticipantToBreakoutRoom(String, int)</code> method exists and is accessible		✓
Check <code>public String listParticipantsInBreakoutRoom(int)</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>listParticipantsInBreakoutRoom(int)</code> method returns <code>not null</code> with args (1)		✗

Method	<code>addParticipantToBreakoutRoom(String, int)</code>	1.0 / 2.0
Cannot be further tested because testing relies on the <code>listParticipantsInBreakoutRoom</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "out.Chad_Bhagwandeem_657831_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[x]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</code>		
Check <code>VirtualRoom(String)</code> constructor exists and is accessible		✓
Check <code>createBreakoutRooms()</code> method exists and is accessible		✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method exists and is accessible		✓
Check <code>public boolean addParticipantToBreakoutRoom(String, int)</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>openBreakoutRoom(int)</code> method runs with args <code>(1)</code>	✓
Check <code>addParticipantToBreakoutRoom(String, int)</code> method returns <code>true</code> with args <code>("12345678", 1)</code> <b>+1.0</b>	✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method returns a string containing <code>"12345678"</code> with args <code>(1)</code>	✗

## BreakoutRoom Class

Passed 13/16; Partially passed 2/16; Failed 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>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>	0.0 / 2.0
<p>Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Chad_Bhagwandeem_657831_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[x]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</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 ( "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</code>		✗
Method	<code>toString()</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>breakoutRoomID</code> attribute exists		✓
Check <code>numberOfParticipants</code> attribute exists		✓
Check <code>public String toString()</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>toString()</code> method returns string containing attribute <code>breakoutRoomID</code> +0.5		✓



Check toString() method returns string containing attribute numberOfParticipants +0.5



Check toString() method returns string containing attribute breakoutRoomID in format  
breakoutRoomID OPEN



## 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
Method	getParticipantID()	1.0 / 1.0