



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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68.02%

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Criteria	Mark
VirtualMeetingSystem	15.0
VirtualRoom	19.5
BreakoutRoom	19.0
Participant	6.0
Deductions	-1.0
Total (out of 86.0)	58.5

Grade Changes

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

Deductions	
Formatting Error: Incorrect archive format (please use .zip)	-1

VirtualMeetingSystem Class

Passed 7/10; Partially passed 1/10; Failed 2/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
Method	<code>addParticipant(String, int)</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>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
Does not work as anticipated: produced java.lang.NullPointerException: Cannot read field "value" because "original" 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>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>listParticipants(int)</code>	0.0 / 3.0
Returns some values but not all. We expect your method to return a set of values, but instead yours returns only some.		
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>)		✓
Check <code>addParticipant(String, int)</code> method runs with args (<code>"12345678", 1</code>)		✓
Check <code>listParticipants(int)</code> method returns a string containing <code>"VirtualRoom"</code> with args (<code>1</code>)		✗

Method	<code>loadParticipantData(String)</code>	1.0 / 5.0
Does not alter the <code>parArray</code> 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 <code>parArray</code> attribute equals an array with size 50 +1.0	✓
Check first attribute with type <code>String[]</code> equals not an array containing null +1.0	✓
Check <code>parArray</code> attribute equals not an array containing null	✗

VirtualRoom Class

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

Attribute	<code>breakoutRooms</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>addParticipantToBreakoutRoom(String, int)</code>	2.0 / 2.0
Attribute	<code>breakoutRoomLimit</code>	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 <code>private final int breakoutRoomLimit</code> attribute exists and defined properly		✗
Constructor	<code>VirtualRoom(String, int)</code>	1.5 / 2.0
Does not initialize the <code>breakoutRooms</code> 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 name 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
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Returns incorrect values. We expect your method to return a particular value, but instead yours returns another incorrect one.

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 name	✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	1.0 / 2.0
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Returns incorrect values. We expect your method to return a particular value, but instead yours returns another incorrect one.

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 `listParticipantsInBreakoutRoom(int)` method returns not null with args (1) +1.0



Check `listParticipantsInBreakoutRoom(int)` method returns string containing attribute name with args (1)



BreakoutRoom Class

Passed 13/16; Partially passed 1/16; Failed 2/16.

Attribute	<code>breakoutRoomID</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
Constructor	<code>BreakoutRoom(String)</code>	3.0 / 3.0
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>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
Attribute	<code>breakoutRoomSize</code>	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 breakoutRoomSize` attribute exists and defined properly



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.

Check `private static int breakoutRoomNumberCounter` attribute exists and defined properly



Method

`toString()`

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 `BreakoutRoom(String)` constructor exists and is accessible



Check `breakoutRoomID` attribute exists



Check `numberOfParticipants` attribute exists



Check `public String toString()` method exists and defined properly



Check `BreakoutRoom(String)` constructor creates instances with args ("Room1")



Check `openBreakoutRoom()` method runs



Check `toString()` method returns string containing attribute `breakoutRoomID +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 4/5; Failed 1/5.

Attribute

`participantID`

1.0 / 1.0

Constructor

`Participant(String)`

2.0 / 2.0

Method

`toString()`

2.0 / 2.0

Method	<code>getParticipantID()</code>	1.0 / 1.0
Method	<code>verifyID(String)</code>	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 <code>public static boolean verifyID(String)</code> method exists and defined properly		✖