



The University of the West Indies, St. Augustine
COMP 2603 Object Oriented Programming I
Assignment 1 Grade Sheet
2020/2021 Semester 2

Casidy Mohamed (816013169)

84.88%

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Criteria	Mark
VirtualMeetingSystem	23.0
VirtualRoom	18.5
BreakoutRoom	14.5
Participant	8.0
Bonuses	+10.0
Deductions	-1.0
Total (out of 86.0)	73.0

Grade Changes

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

Bonuses	
Merit Bonus: Early submission	+5.0
Question Bonus: allocateParticipants(String)	+5.0

Deductions	
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Passed 6/10; Failed 4/10.

Method	<code>loadParticipantData(String)</code>	5.0 / 5.0
Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
Method	<code>allocateParticipants(String)</code>	10.0 / 10.0
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>addParticipant(String, int)</code>	0.0 / 2.0
<p>Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.equals(Object)" because the return value of "out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p> <p>Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible ✓</p> <p>Check <code>loadParticipantData(String)</code> method exists and is accessible ✓</p>		

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>)	✓
Check <code>addParticipant(String, int)</code> method returns <code>true</code> with args (<code>"12345678", 1</code>)	✗

Method	<code>listParticipants(int)</code>	0.0 / 3.0
Cannot be further tested because testing relies on the <code>addParticipant</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "String.equals(Object)"</code> because the return value of <code>"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()"</code> 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 (<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>)		✗

Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
Cannot be further tested because testing relies on the <code>addParticipant</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "String.equals(Object)"</code> because the		

return value of "out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()" 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 openBreakoutRoom(int) method exists and is accessible	✓
Check addParticipant(String, int) method exists and is accessible	✓
Check public String findParticipantBreakoutRoom(String) 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)	✗

Method	listParticipantsInAllBreakoutRooms()	0.0 / 2.0
Cannot be further tested because testing relies on the addParticipant method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.equals(Object)" because the return value of "out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()" 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 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)`



VirtualRoom Class

Passed 10/14; Partially passed 2/14; Failed 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, 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>getNumberOfBreakoutRooms()</code>	1.0 / 1.0

Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `addParticipantToBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "String.equals(Object)"` because the return value of `"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()"` is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check `VirtualRoom(String)` constructor exists and is accessible ✓

Check `createBreakoutRooms()` method exists and is accessible ✓

Check `listParticipantsInBreakoutRoom(int)` method exists and is accessible ✓

Check <code>addParticipantToBreakoutRoom(String, int)</code> method exists and is accessible	✓
Check <code>public String findParticipantBreakoutRoom(String)</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 runs with args (<code>"12345678", 1</code>)	✗

Method	<code>addParticipantToBreakoutRoom(String, int)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "String.equals(Object)"</code> because the return value of <code>"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()"</code> is null. 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>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>)		✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	1.0 / 2.0
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 ("VirtualRoom")	✓
Check <code>createBreakoutRooms()</code> method runs	✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method returns not null with args (1) +1.0	✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method returns string containing attribute name with args (1)	✗

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 <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 ("VirtualRoom")		✓
Check <code>createBreakoutRooms()</code> method runs		✓
Check <code>listBreakoutRooms()</code> method returns string containing attribute name +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 12/16; Partially passed 1/16; Failed 3/16.

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
Constructor	<code>BreakoutRoom(String)</code>	3.0 / 3.0
Method	<code>getBreakoutRoomID()</code>	1.0 / 1.0
Method	<code>getOpen()</code>	1.0 / 1.0
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>findParticipant(String)</code>	0.0 / 2.0
<p>Cannot be further tested because testing relies on the <code>addParticipant</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "String.equals(Object)"</code> because the return value of <code>"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()"</code> 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>public Participant findParticipant(String)</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>)		✗
Method	<code>addParticipant(String)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "String.equals(Object)"</code> because the return value of		

"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

- Check `BreakoutRoom(String)` constructor exists and is accessible ✓
- Check `openBreakoutRoom()` method exists and is accessible ✓
- Check `public boolean addParticipant(String)` method exists and defined properly ✓
- Check `BreakoutRoom(String)` constructor creates instances with args ("Room1") ✓
- Check `openBreakoutRoom()` method runs ✓
- Check `addParticipant(String)` method returns `true` with args ("10000000") ✗

Method

`listParticipants()`

0.0 / 2.0

Cannot be further tested because testing relies on the `addParticipant` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "String.equals(Object)"` because the return value of `"out.Casidy_Mohamed_657801_assignsubmission_file_.Participant.getParticipantID()"` is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

- Check `BreakoutRoom(String)` constructor exists and is accessible ✓
- Check `addParticipant(String)` method exists and is accessible ✓
- Check `openBreakoutRoom()` method exists and is accessible ✓
- Check `breakoutRoomID` attribute exists ✓
- Check `public String listParticipants()` method exists and defined properly ✓
- Check `BreakoutRoom(String)` constructor creates instances with args ("Room1") ✓
- Check `openBreakoutRoom()` method runs ✓
- Check `addParticipant(String)` method runs with args ("10000000") ✗

Method

`toString()`

0.5 / 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 `BreakoutRoom(String)` constructor exists and is accessible ✓
- Check `breakoutRoomID` 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 +0.5</code>	✓
Check <code>toString()</code> method returns string containing attribute <code>numberOfParticipants</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
Method	<code>getParticipantID()</code>	1.0 / 1.0