



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

Kymberly Byanile (814117667)

34.88%

F3

Criteria	Mark
VirtualMeetingSystem	10.0
VirtualRoom	4.0
BreakoutRoom	7.0
Participant	6.0
Bonuses	+5.0
Deductions	-2.0
Total (out of 86.0)	30.0

Grade Changes

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0
Deductions	
Formatting Error: Incorrect archive format (please use .zip)	-1
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Passed 1/10; Failed 9/10.

Method	allocateParticipants(String)	10.0 / 10.0
Method	loadParticipantData(String)	0.0 / 5.0
Does not have anticipated type. We expect your attribute to be defined with a particular type, but yours isn't.		
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		✗
Method	createVirtualRoom(String)	0.0 / 2.0
Does not alter the tempVRoom 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 createVirtualRoom(String) 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 first attribute with type <code>VirtualRoom</code> equals <code>not null</code>	✓
Check <code>tempVRoom</code> attribute equals <code>not null</code>	✗

Method	<code>addParticipant(String, int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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>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>)	✗

Method	<code>listParticipants(int)</code>	0.0 / 3.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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)	✗

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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>public boolean openBreakoutRoom(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)	✗

Method	<code>closeBreakoutRoom(int)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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>public boolean closeBreakoutRoom(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>closeBreakoutRoom(int)</code> method runs with args (1)	✗

Method	<code>listAllBreakoutRooms()</code>	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Kymberly_Byanile_657778_assignsubmission_file_.BreakoutRoom.toString()" because "this.breakoutRooms[i]" 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>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>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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 findParticipantBreakoutRoom(String)</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)	✗

Method	<code>listParticipantsInAllBreakoutRooms()</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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 (<code>"VirtualRoom"</code>)	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✗

VirtualRoom Class

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

Attribute	<code>breakoutRooms</code>	1.0 / 1.0
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Attribute	<code>name</code>	1.0 / 1.0
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Attribute	<code>breakoutRoomLimit</code>	0.0 / 1.0
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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	✗
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Constructor	<code>VirtualRoom(String, int)</code>	1.0 / 2.0
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Does not initialize the `breakoutRoomLimit` 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	✓
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Check <code>VirtualRoom(String, int)</code> constructor creates instances with args (<code>"VirtualRoom"</code> , <code>10</code>)	✓
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+0.5

Check name attribute equals "VirtualRoom" +0.5	✓
Check breakoutRoomLimit attribute equals 10	✗

Constructor	VirtualRoom(String)	1.0 / 2.0
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Does not initialize the breakoutRoomLimit attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check public VirtualRoom(String) constructor exists and defined properly	✓
Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom") +0.5	✓
Check name attribute equals "VirtualRoom" +0.5	✓
Check breakoutRoomLimit attribute equals 5	✗

Method	listBreakoutRooms()	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Kymberly_Byanile_657778_assignsubmission_file_.BreakoutRoom.toString()" because "this.breakoutRooms[i]" 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 public String listBreakoutRooms() method exists and defined properly	✓
Check VirtualRoom(String) constructor creates instances with args ("VirtualRoom")	✓
Check createBreakoutRooms() method runs	✓
Check listBreakoutRooms() method returns string containing attribute name	✗

Method	findBreakoutRoom(int)	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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 <code>public BreakoutRoom findBreakoutRoom(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>findBreakoutRoom(int)</code> method returns not null with args (1)	✗

Method	<code>createBreakoutRooms()</code>	0.0 / 2.0
Cannot be further tested because testing relies on another method that Does not alter the <code>breakoutRooms</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>VirtualRoom(String)</code> constructor exists and is accessible	✓	
Check <code>breakoutRooms</code> attribute exists	✓	
Check <code>public void createBreakoutRooms()</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>breakoutRooms</code> attribute equals not an array containing null	✗	

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
Cannot be further tested because testing relies on the <code>closeBreakoutRoom</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" is null</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>closeBreakoutRoom(int)</code> method exists and is accessible	✓	
Check <code>breakoutRooms</code> attribute exists	✓	
Check <code>public boolean openBreakoutRoom(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 `closeBreakoutRoom(int)` method runs with args (1)

✗

Method

`closeBreakoutRoom(int)`

0.0 / 2.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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 `breakoutRooms` attribute exists

✓

Check `public boolean closeBreakoutRoom(int)` method exists and defined properly

✓

Check `VirtualRoom(String)` constructor creates instances with args ("VirtualRoom")

✓

Check `createBreakoutRooms()` method runs

✓

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

✗

Method

`findParticipantBreakoutRoom(String)`

0.0 / 2.0

Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" 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 `addParticipantToBreakoutRoom(String, int)` method exists and is accessible

✓

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

✓

Check `VirtualRoom(String)` constructor creates instances with args ("VirtualRoom")

✓

Check `createBreakoutRooms()` method runs

✓

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

✗

Method	<code>getNumberOfBreakoutRooms()</code>	0.0 / 1.0
Is not testable because testing relies on the <code>breakoutRoomLimit</code> attribute that is not an instance attribute. We expect your attribute to be defined without the <code>static</code> keyword indicating that it is an instance attribute, but yours isn't.		
Check <code>VirtualRoom(String)</code> constructor exists and is accessible		✓
Check <code>breakoutRoomLimit</code> attribute exists		✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" is null</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>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 not null with args (1)		✗

Method	<code>addParticipantToBreakoutRoom(String, int)</code>	0.0 / 2.0
Cannot be further tested because testing relies on the <code>openBreakoutRoom</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot read field "breakoutRoomID" because "this.breakoutRooms[i]" is null</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>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 ("VirtualRoom")	✓
Check <code>createBreakoutRooms()</code> method runs	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)	✗

BreakoutRoom Class

Passed 5/16; Partially passed 1/16; Failed 10/16.

Attribute	<code>participants</code>	1.0 / 1.0
Attribute	<code>open</code>	1.0 / 1.0
Method	<code>toString()</code>	2.0 / 2.0
Method	<code>openBreakoutRoom()</code>	1.0 / 1.0
Method	<code>closeBreakoutRoom()</code>	1.0 / 1.0
Attribute	<code>breakoutRoomID</code>	0.0 / 1.0
Does not have private access. We expect your attribute, method or constructor to have the private keyword indicating that it has private access, but yours doesn't.		
Check <code>private String breakoutRoomID</code> attribute exists and defined properly		✗
Attribute	<code>breakoutRoomSize</code>	0.0 / 1.0
Does not have private access. We expect your attribute, method or constructor to have the private keyword indicating that it has private access, but yours doesn't.		
Check <code>private final int breakoutRoomSize</code> attribute exists and defined properly		✗
Attribute	<code>numberOfParticipants</code>	0.0 / 1.0
Does not have private access. We expect your attribute, method or constructor to have the private keyword indicating that it has private access, but yours doesn't.		
Check <code>private int numberOfParticipants</code> attribute exists and defined properly		✗

Attribute	<code>breakoutRoomNumberCounter</code>	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 <code>private static int breakoutRoomNumberCounter</code> attribute exists and defined properly		✗
Constructor	<code>BreakoutRoom(String)</code>	1.0 / 3.0
Does not initialize the <code>breakoutRoomID</code> attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.		
Check <code>public BreakoutRoom(String)</code> constructor exists and defined properly		✓
Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1") +1.0		✓
Check <code>breakoutRoomID</code> attribute equals <code>not null</code>		✗
Method	<code>findParticipant(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 "out.Kymberly_Byanile_657778_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[i]" is null</code> . We expect your method to run without problems, but instead yours contains bad code that creates problems.		
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 ("Room1")		✓
Check <code>openBreakoutRoom()</code> method runs		✓
Check <code>addParticipant(String)</code> method runs with args ("10000000")		✗
Method	<code>getBreakoutRoomID()</code>	0.0 / 1.0
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>BreakoutRoom(String)</code> constructor exists and is accessible	✓
Check <code>breakoutRoomID</code> attribute exists	✓
Check <code>public String getBreakoutRoomID()</code> method exists and defined properly	✗

Method	<code>getOpen()</code>	0.0 / 1.0
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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>BreakoutRoom(String)</code> constructor exists and is accessible	✓
Check <code>open</code> attribute exists	✓
Check <code>public boolean getOpen()</code> method exists and defined properly	✗

Method	<code>addParticipant(String)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Kymberly_Byanile_657778_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[i]" is null`. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check <code>BreakoutRoom(String)</code> constructor exists and is accessible	✓
Check <code>openBreakoutRoom()</code> method exists and is accessible	✓
Check <code>public boolean addParticipant(String)</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 returns <code>true</code> with args ("10000000")	✗

Method	<code>listParticipants()</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `addParticipant` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Kymberly_Byanile_657778_assignsubmission_file_.Participant.getParticipantID()" because "this.participants[i]" is null`. We expect your method to run without problems, but instead yours contains bad code that creates problems.

Check <code>BreakoutRoom(String)</code> constructor exists and is accessible	✓
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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")	✗

Method	<code>getNumberOfParticipants()</code>	0.0 / 1.0
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>BreakoutRoom(String)</code> constructor exists and is accessible		✓
Check <code>numberOfParticipants</code> attribute exists		✓
Check <code>public int getNumberOfParticipants()</code> method exists and defined properly		✗

Participant Class

Passed 4/5; Failed 1/5.

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>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 `public static boolean verifyID(String)` method exists and defined properly

