



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

Isaiah Norcisse (816016804)

58.72%

**C+**

Criteria	Mark
VirtualMeetingSystem	12.0
VirtualRoom	10.5
BreakoutRoom	15.0
Participant	8.0
Bonuses	+5.0
<b>Total (out of 86.0)</b>	<b>50.5</b>

## Grade Changes

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

### Bonuses

Question Bonus: allocateParticipants(String)

+5.0

## VirtualMeetingSystem Class

Passed 2/10; Failed 8/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
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Method	<code>allocateParticipants(String)</code>	10.0 / 10.0
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Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
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Does not alter the data 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 data attribute equals an array with size 50 ✗

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 invoke "out.Isaiah_Norcisse_657783_assignsubmission_file_.BreakoutRoom.getBreakoutRoomNumberCounter()" 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 invoke "out.Isaiah_Norcisse_657783_assignsubmission_file_.BreakoutRoom.getBreakoutRoomNumberCounter()" 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 ( <code>"VirtualRoom"</code> )	✓
Check <code>openBreakoutRoom(int)</code> method runs with args ( <code>1</code> )	✗

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke`

"out.Isaiah\_Norcisse\_657783\_assignsubmission\_file\_.BreakoutRoom.getBreakoutRoomNumberCounter()" because "this.breakoutRooms[i]" 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 public boolean openBreakoutRoom(int) 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)	✗

Method	closeBreakoutRoom(int)	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Isaiah\_Norcisse\_657783\_assignsubmission\_file\_.BreakoutRoom.getBreakoutRoomNumberCounter()" because "this.breakoutRooms[i]" 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 public boolean closeBreakoutRoom(int) method exists and defined properly	✓
Check VirtualMeetingSystem() constructor creates instances	✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")	✓
Check closeBreakoutRoom(int) method runs with args (1)	✗

Method	listAllBreakoutRooms()	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Isaiah\_Norcisse\_657783\_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 VirtualMeetingSystem() constructor exists and is accessible	✓
Check createVirtualRoom(String) method exists and is accessible	✓
Check public String listAllBreakoutRooms() 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>listAllBreakoutRooms()</code> method returns a string containing <code>"VirtualRoom"</code>	✗

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 invoke "out.Isaiah_Norcisse_657783_assignsubmission_file_.BreakoutRoom.getBreakoutRoomNumberCounter()" 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 ( <code>"VirtualRoom"</code> )	✓
Check <code>openBreakoutRoom(int)</code> method runs with args ( <code>1</code> )	✗

Method	<code>listParticipantsInAllBreakoutRooms()</code>	0.0 / 2.0
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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	✓
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	✗

## VirtualRoom Class

Passed 5/14; Partially passed 2/14; Failed 7/14.

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>createBreakoutRooms()</code>	2.0 / 2.0
Method	<code>getNumberOfBreakoutRooms()</code>	1.0 / 1.0
Attribute	<code>breakoutRooms</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 BreakoutRoom[] breakoutRooms</code> attribute exists and defined properly		✗
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		✗
Method	<code>findBreakoutRoom(int)</code>	0.0 / 2.0
Does not work as anticipated for valid inputs. We expect your method to work in a particular way (and possibly return an anticipated value) when given valid inputs, but yours doesn't.		
Check <code>VirtualRoom(String)</code> constructor exists and is accessible		✓
Check <code>createBreakoutRooms()</code> 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 ( <code>"VirtualRoom"</code> )		✓
Check <code>createBreakoutRooms()</code> method runs		✓

Check `findBreakoutRoom(int)` method returns not null with args (1)



Method

`openBreakoutRoom(int)`

0.0 / 2.0

Cannot be further tested because testing relies on another method that Does not alter the `breakoutRooms` 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 `VirtualRoom(String)` constructor exists and is accessible



Check `createBreakoutRooms()` method exists and is accessible



Check `closeBreakoutRoom(int)` method exists and is accessible



Check `breakoutRooms` attribute exists



Check `public boolean openBreakoutRoom(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)



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



Check `breakoutRooms` attribute equals an array containing `hasProperty("open", true)`



Method

`closeBreakoutRoom(int)`

0.0 / 2.0

Cannot be further tested because testing relies on another method that Does not alter the `breakoutRooms` 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 `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)



Check breakoutRooms attribute equals an array containing hasProperty("open", false)



Method

findParticipantBreakoutRoom(String)

0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Isaiah\_Norcisse\_657783\_assignsubmission\_file\_.Participant.getParticipantID()" because the return value of "out.Isaiah\_Norcisse\_657783\_assignsubmission\_file\_.BreakoutRoom.findParticipant(String)" 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)



Check addParticipantToBreakoutRoom(String, int) method runs with args ("12345678", 1)



Check findParticipantBreakoutRoom(String) method returns not null with args ("12345678")



Method

listParticipantsInBreakoutRoom(int)

0.0 / 2.0

Does not work as anticipated for valid inputs. We expect your method to work in a particular way (and possibly return an anticipated value) when given valid inputs, but yours doesn't.

Check VirtualRoom(String) constructor exists and is accessible



Check createBreakoutRooms() method exists and is accessible



Check addParticipantToBreakoutRoom(String, int) method exists and is accessible



Check public String listParticipantsInBreakoutRoom(int) 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>	1.0 / 2.0
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Cannot be further tested because testing relies on the `listParticipantsInBreakoutRoom` method that does not alter the value 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>createBreakoutRooms()</code> method exists and is accessible	✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method exists and is accessible	✓
Check public boolean <code>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 (1)	✓
Check <code>addParticipantToBreakoutRoom(String, int)</code> method returns true with args ( <code>"12345678"</code> , 1) +1.0	✓
Check <code>listParticipantsInBreakoutRoom(int)</code> method returns a string containing <code>"12345678"</code> with args (1)	✗

Method	<code>listBreakoutRooms()</code>	1.5 / 2.0
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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 public String <code>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 `listBreakoutRooms()` method returns string containing attribute `name` +1.5 ✓

Check `listBreakoutRooms()` method returns string containing attribute `breakoutRooms` in format `"breakoutRoom_1.toString() \n breakoutRoom_2.toString() \n ... breakoutRoom_n.toString() "` ✗

## BreakoutRoom Class

Passed 11/16; Partially passed 1/16; Failed 4/16.

Attribute	<code>breakoutRoomID</code>	1.0 / 1.0
Attribute	<code>breakoutRoomSize</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>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
Attribute	<code>participants</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 Participant[] participants</code> attribute exists and defined properly ✗		

Method	<code>findParticipant(String)</code>	0.0 / 2.0
Does not work as anticipated for valid inputs. We expect your method to work in a particular way (and possibly return an anticipated value) when given valid inputs, but yours doesn't.		
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" )		✓
Check <code>findParticipant(String)</code> method returns <code>not null</code> with args ( "10000000" )		✗

Method	<code>getOpen()</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>open</code> attribute exists		✓
Check <code>public boolean getOpen()</code> method exists and defined properly		✗

Method	<code>listParticipants()</code>	0.0 / 2.0
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>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		✗

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 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