



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

Saajida Khan (816013388)

31.40%

**F3**

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	4.0
BreakoutRoom	15.0
Participant	8.0
<b>Total (out of 86.0)</b>	<b>27.0</b>

## VirtualMeetingSystem Class

Failed 1/1.

VirtualMeetingSystem

0.0 / 32.0

Class not found. Could not find the VirtualMeetingSystem class or your submission did not compile properly.

## VirtualRoom Class

Passed 1/14; Partially passed 2/14; Failed 11/14.

Method

getNumberOfBreakoutRooms()

1.0 / 1.0

Attribute

breakoutRooms

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 `private BreakoutRoom[] breakoutRooms` attribute exists and defined properly

✗

Attribute

breakoutRoomLimit

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 `private final int breakoutRoomLimit` attribute exists and defined properly

✗

Attribute

name

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 `private String name` attribute exists and defined properly

✗

Constructor

VirtualRoom(String, int)

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 ( "VirtualRoom", 10 ) +0.5	✓
Check name attribute equals "VirtualRoom" +0.5	✓
Check <code>breakoutRoomLimit</code> attribute equals 10 +0.5	✓
Check <code>breakoutRooms</code> attribute equals an array with size 10	✗

Constructor	<code>VirtualRoom(String)</code>	1.5 / 2.0
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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)</code> constructor exists and defined properly	✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args ( "VirtualRoom" ) +0.5	✓
Check name attribute equals "VirtualRoom" +0.5	✓
Check <code>breakoutRoomLimit</code> attribute equals 5 +0.5	✓
Check <code>breakoutRooms</code> attribute equals an array with size 5	✗

Method	<code>listBreakoutRooms()</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `createBreakoutRooms` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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>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	✗

Method	<code>findBreakoutRoom(int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `createBreakoutRooms` method that does not work as

anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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>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	✗

Method	<code>createBreakoutRooms()</code>	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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>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	✗

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `createBreakoutRooms` method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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>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	✗

Method	<code>closeBreakoutRoom(int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `createBreakoutRooms` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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>breakoutRooms</code> attribute exists	✓
Check <code>public boolean closeBreakoutRoom(int)</code> method exists and defined properly	✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args ( "VirtualRoom" )	✓
Check <code>createBreakoutRooms()</code> method runs	✗

Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
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Is not testable because testing relies on the `listParticipantsInBreakoutRoom` method that 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>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	✗

Method	<code>listParticipantsInBreakoutRoom(int)</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>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 `public String listParticipantsInBreakoutRoom(int)` method exists and defined properly

✗

Method

`addParticipantToBreakoutRoom(String, int)`

0.0 / 2.0

Is not testable because testing relies on the `listParticipantsInBreakoutRoom` method that 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `createBreakoutRooms()` method exists and is accessible

✓

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

✗

## BreakoutRoom Class

Passed 12/16; Failed 4/16.

Attribute

`breakoutRoomID`

1.0 / 1.0

Attribute

`breakoutRoomSize`

1.0 / 1.0

Attribute

`participants`

1.0 / 1.0

Attribute

`numberOfParticipants`

1.0 / 1.0

Attribute

`open`

1.0 / 1.0

Attribute

`breakoutRoomNumberCounter`

1.0 / 1.0

Constructor

`BreakoutRoom(String)`

3.0 / 3.0

Method

`toString()`

2.0 / 2.0

Method

`getBreakoutRoomID()`

1.0 / 1.0

Method

`getOpen()`

1.0 / 1.0

Method

`openBreakoutRoom()`

1.0 / 1.0

Method	<code>closeBreakoutRoom()</code>	1.0 / 1.0
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Method	<code>findParticipant(String)</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.Saajida_Khan_657717_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 `BreakoutRoom(String)` constructor exists and is accessible ✓
- Check `addParticipant(String)` method exists and is accessible ✓
- Check `openBreakoutRoom()` method exists and is accessible ✓
- Check `public Participant findParticipant(String)` 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	<code>addParticipant(String)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Saajida_Khan_657717_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 `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	<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.Saajida\_Khan\_657717\_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 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	getNumberOfParticipants()	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 BreakoutRoom(String) constructor exists and is accessible		✓
Check numberOfParticipants attribute exists		✓
Check public int getNumberOfParticipants() method exists and defined properly		✗

## 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