



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

Rayann Bristol (816013958)

36.05%

F3

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	9.5
BreakoutRoom	19.5
Participant	3.0
Deductions	-1.0
Total (out of 86.0)	31.0

Grade Changes

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

Deductions	
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Failed 10/10.

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 virtualRoom 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 VirtualMeetingSystem() constructor creates instances		✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")		✓
Check first attribute with type VirtualRoom equals not null		✓
Check virtualRoom attribute equals not null		✗

Method	allocateParticipants(String)	0.0 / 10.0
Does not work as anticipated: produced java.lang.ArrayIndexOutOfBoundsException: Index 50 out of bounds for length 50. 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 loadParticipantData(String) method exists and is accessible		✓
Check createVirtualRoom(String) method exists and is accessible		✓
Check public void allocateParticipants(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 createVirtualRoom(String) method runs with args ("VirtualRoom")		✓
Check allocateParticipants(String) method runs with args ("RR")		✗

Method	addParticipant(String, int)	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 invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.virtualRoom" 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 loadParticipantData(String) method exists and is accessible		✓
Check createVirtualRoom(String) method exists and is accessible		✓
Check openBreakoutRoom(int) method exists and is accessible		✓
Check public boolean addParticipant(String, int) method exists and defined properly		✓
Check VirtualMeetingSystem() constructor creates instances		✓
Check loadParticipantData(String) method runs with args ("src/al/test/resources/participant.dat")		✓
Check createVirtualRoom(String) method runs with args ("VirtualRoom")		✓

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

✗

Method

`listParticipants(int)`

0.0 / 3.0

Cannot be further tested because testing relies on the `openBreakoutRoom` method that does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` because `"this.virtualRoom"` 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 listParticipants(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

`openBreakoutRoom(int)`

0.0 / 2.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` because `"this.virtualRoom"` 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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.virtualRoom" 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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.getNumberOfBreakoutRooms()" because "this.virtualRoom" 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 VirtualMeetingSystem() constructor creates instances ✓
- Check createVirtualRoom(String) method runs with args ("VirtualRoom") ✓
- Check listAllBreakoutRooms() method returns a string containing "VirtualRoom" ✗

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 invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.virtualRoom" 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 <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
<p>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 invoke "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"</code> because <code>"this.virtualRoom"</code> is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p>		
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 ("VirtualRoom")		✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)		✗

VirtualRoom Class

Passed 6/14; Partially passed 1/14; Failed 7/14.

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
Method	<code>createBreakoutRooms()</code>	2.0 / 2.0
Method	<code>getNumberOfBreakoutRooms()</code>	1.0 / 1.0
Constructor	<code>VirtualRoom(String)</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)</code> constructor exists and defined properly		✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args (<code>"VirtualRoom"</code>) +0.5		✓
Check <code>name</code> attribute equals <code>"VirtualRoom"</code> +0.5		✓
Check <code>breakoutRoomLimit</code> attribute equals <code>5</code> +0.5		✓
Check <code>breakoutRooms</code> attribute equals an array with size <code>5</code>		✗
Method	<code>listBreakoutRooms()</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke "Object.toString()" because "this.breakoutRooms" 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>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 <code>name</code>		✗

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 <code>findBreakoutRoom(int)</code> method returns not null with args (1)		✗

Method	<code>openBreakoutRoom(int)</code>	0.0 / 2.0
Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "Object.equals(Object)" because the return value of "out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" 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 (<code>"VirtualRoom"</code>)		✓
Check <code>createBreakoutRooms()</code> method runs		✓
Check <code>closeBreakoutRoom(int)</code> method runs with args (1)		✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)		✗

Method	<code>closeBreakoutRoom(int)</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>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 (<code>"VirtualRoom"</code>)	✓
Check <code>createBreakoutRooms()</code> method runs	✓
Check <code>closeBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✓
Check <code>breakoutRooms</code> attribute equals an array containing <code>hasProperty("open", false)</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 "Object.equals(Object)"` because the return value of `"out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` 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>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>)	✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "Object.equals(Object)"` because the return value of `"out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` 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>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
<p>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 invoke "Object.equals(Object)"</code> because the return value of <code>"out.Rayann_Bristol_657696_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"</code> is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p>		
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 (1)		✗

BreakoutRoom Class

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

Attribute	<code>breakoutRoomID</code>	1.0 / 1.0
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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
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
Constructor	<code>BreakoutRoom(String)</code>	3.5 / 3.0
Method	<code>findParticipant(String)</code>	0.0 / 2.0
<p>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.</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 ("Room1")		✓
Check <code>openBreakoutRoom()</code> method runs		✓
Check <code>addParticipant(String)</code> method runs with args ("10000000")		✓

Check `findParticipant(String)` method returns not null with args ("10000000")

✗

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 2/5; Failed 3/5.

Attribute

`participantID`

1.0 / 1.0

Method

`verifyID(String)`

2.0 / 2.0

Constructor

`Participant(String)`

0.0 / 2.0

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

Check `public Participant(String)` constructor exists and defined properly

✗

Method

`toString()`

0.0 / 2.0

Is not testable as the class's constructor does not have public access: produced
java.lang.IllegalAccessException: class com.azeldaniel.automarker.marker.Constructor cannot access a
member of class out.Rayann_Bristol_657696_assignsubmission_file_.Participant with modifiers "". We
expect your attribute, method or constructor to have the public keyword indicating that it has public access,
but yours doesn't.

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

Check `participantID` attribute exists ✓

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

Check `Participant(String)` constructor creates instances with args ("12345678") ✗

Method

`getParticipantID()`

0.0 / 1.0

Is not testable as the class's constructor does not have public access: produced
java.lang.IllegalAccessException: class com.azeldaniel.automarker.marker.Constructor cannot access a
member of class out.Rayann_Bristol_657696_assignsubmission_file_.Participant with modifiers "". We
expect your attribute, method or constructor to have the public keyword indicating that it has public access,
but yours doesn't.

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

Check `participantID` attribute exists ✓

Check `public String getParticipantID()` method exists and defined properly ✓

Check `Participant(String)` constructor creates instances with args ("12345678") ✗