



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

Celeste Seegobin (816019646)

29.65%

F3

Criteria	Mark
VirtualMeetingSystem	4.0
VirtualRoom	6.0
BreakoutRoom	12.0
Participant	4.5
Deductions	-1.0
Total (out of 86.0)	25.5

Grade Changes

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

Deductions

Formatting Error: Incorrect zip name format

-1

VirtualMeetingSystem Class

Passed 2/10; Failed 8/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
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Method	<code>openBreakoutRoom(int)</code>	2.0 / 2.0
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Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
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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	✓
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Check <code>public void loadParticipantData(String)</code> method exists and defined properly	✗
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Method	<code>allocateParticipants(String)</code>	0.0 / 10.0
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Is not testable because testing relies on the `loadParticipantData` 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>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
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Check <code>loadParticipantData(String)</code> method exists and is accessible	✗
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Method	<code>addParticipant(String, int)</code>	0.0 / 2.0
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Is not testable because testing relies on the `loadParticipantData` 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>VirtualMeetingSystem()</code> constructor exists and is accessible	✓
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Check <code>loadParticipantData(String)</code> method exists and is accessible	✗
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Method	<code>listParticipants(int)</code>	0.0 / 3.0
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>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		✗

Method	<code>closeBreakoutRoom(int)</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>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		✗

Method	<code>listAllBreakoutRooms()</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>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		✗

Method	<code>findParticipantBreakoutRoom(String)</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>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	✗

Method	<code>listParticipantsInAllBreakoutRooms()</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>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 4/14; Partially passed 2/14; Failed 8/14.

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



Check name attribute equals `"VirtualRoom"`



Constructor

`VirtualRoom(String)`

0.5 / 2.0

Does not initialize the name 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"`



Method

`listBreakoutRooms()`

0.0 / 2.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot load from 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 `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

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot load from 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 `VirtualRoom(String)` constructor exists and is accessible



Check `createBreakoutRooms()` method exists and is accessible



Check `public BreakoutRoom findBreakoutRoom(int)` 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>openBreakoutRoom(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>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 <code>closeBreakoutRoom(int)</code> method runs with args (1)		✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)		✓
Check <code>breakoutRooms</code> attribute equals an array containing <code>hasProperty("open", true)</code>		✗

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 ("VirtualRoom")		✓

Check <code>createBreakoutRooms()</code> method runs	✓
Check <code>closeBreakoutRoom(int)</code> method runs with args (1)	✓
Check <code>breakoutRooms</code> attribute equals an array containing <code>hasProperty("open", false)</code>	✗

Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
Cannot be further tested because testing relies on the <code>addParticipantToBreakoutRoom</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot read the array length 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>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 ("VirtualRoom")		✓
Check <code>createBreakoutRooms()</code> method runs		✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)		✓
Check <code>addParticipantToBreakoutRoom(String, int)</code> method runs with args ("12345678", 1)		✗

Method	<code>getNumberOfBreakoutRooms()</code>	0.0 / 1.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot load from object array 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>breakoutRoomLimit</code> attribute exists		✓
Check <code>public int getNumberOfBreakoutRooms()</code> method exists and defined properly		✓
Check <code>VirtualRoom(String)</code> constructor creates instances with args ("VirtualRoom")		✓

Check `getNumberOfBreakoutRooms()` method returns value equal to attribute `breakoutRoomLimit`

✗

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

✓

Check `createBreakoutRooms()` method runs

✓

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

✗

Method

`addParticipantToBreakoutRoom(String, int)`

0.0 / 2.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot read the array length because "this.breakoutRooms" 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 `public boolean addParticipantToBreakoutRoom(String, int)` 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 returns true with args (`"12345678"`, 1)

✗

BreakoutRoom Class

Passed 10/16; Failed 6/16.

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
Constructor	<code>BreakoutRoom(String)</code>	3.0 / 3.0
Method	<code>getBreakoutRoomID()</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
Attribute	<code>breakoutRoomNumberCounter</code>	0.0 / 1.0
<p>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.</p> <p>Check <code>private static int breakoutRoomNumberCounter</code> attribute exists and defined properly</p>		✗
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 "Object.equals(Object)"</code> because <code>"this.participants[loc]"</code> is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p> <p>Check <code>BreakoutRoom(String)</code> constructor exists and is accessible</p>		✓

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>toString()</code>	0.0 / 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 <code>BreakoutRoom(String)</code> constructor exists and is accessible	✓	
Check <code>breakoutRoomID</code> 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</code>	✗	

Method	<code>getOpen()</code>	0.0 / 1.0
Returns abnormal values. We expect your method to return a particular value, but instead yours returns a value that is not feasible nor valid.		
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	✓	
Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1")	✓	
Check <code>getOpen()</code> method returns value equal to attribute <code>open</code>	✗	

Method	<code>addParticipant(String)</code>	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "Object.equals(Object)" because "this.participants[loc]" 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 "Object.equals(Object)" because "this.participants[loc]" 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")		✗

Participant Class

Passed 2/5; Partially passed 1/5; Failed 2/5.

Attribute	participantID	1.0 / 1.0
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Constructor	<code>Participant(String)</code>	2.0 / 2.0
Method	<code>verifyID(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>public static boolean verifyID(String)</code> method exists and defined properly		✓
Check <code>verifyID(String)</code> method returns <code>true</code> with args <code>("12345678")</code>		✗
Method	<code>getParticipantID()</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>Participant(String)</code> constructor exists and is accessible		✓
Check <code>participantID</code> attribute exists		✓
Check <code>public String getParticipantID()</code> method exists and defined properly		✗
Method	<code>toString()</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>Participant(String)</code> constructor exists and is accessible		✓
Check <code>participantID</code> attribute exists		✓
Check <code>public String toString()</code> method exists and defined properly		✓
Check <code>Participant(String)</code> constructor creates instances with args <code>("12345678")</code>		✓
Check <code>toString()</code> method returns string containing attribute <code>participantID + 1.5</code>		✓
Check <code>toString()</code> method returns string containing attribute <code>participantID</code> in format <code>Participant: participantID</code>		✗