



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

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40.70%

F2

Criteria	Mark
VirtualMeetingSystem	2.0
VirtualRoom	11.0
BreakoutRoom	15.0
Participant	8.0
Deductions	-1.0
Total (out of 86.0)	35.0

Grade Changes

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

Deductions	
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Passed 1/10; Failed 9/10.

Method	<code>createVirtualRoom(String)</code>	2.0 / 2.0
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Method	<code>loadParticipantData(String)</code>	0.0 / 5.0
Does not work as anticipated: produced java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory). 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>public void loadParticipantData(String)</code> method exists and defined properly		✓
Check <code>VirtualMeetingSystem()</code> constructor creates instances		✓
Check <code>loadParticipantData(String)</code> method runs with args ("src/a1/test/resources/participant.dat")		✗

Method	<code>allocateParticipants(String)</code>	0.0 / 10.0
Cannot be further tested because testing relies on the <code>loadParticipantData</code> method that does not work as anticipated: produced java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory). 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>public void allocateParticipants(String)</code> method exists and defined properly		✓

Check <code>VirtualMeetingSystem()</code> constructor creates instances	✓
Check <code>loadParticipantData(String)</code> method runs with args (<code>"src/a1/test/resources/participant.dat"</code>)	✗

Method	<code>addParticipant(String, int)</code>	0.0 / 2.0
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Cannot be further tested because testing relies on the `loadParticipantData` method that does not work as anticipated: produced `java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory)`. 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/a1/test/resources/participant.dat"</code>)	✗

Method	<code>listParticipants(int)</code>	0.0 / 3.0
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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 listParticipants(int)</code> method exists and defined properly	✗

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.Abigail_Goorachan_657690_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>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 (<code>"VirtualRoom"</code>)	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✗

Method	<code>closeBreakoutRoom(int)</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Abigail_Goorachan_657690_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>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 (<code>"VirtualRoom"</code>)	✓
Check <code>closeBreakoutRoom(int)</code> method runs with args (<code>1</code>)	✗

Method	<code>listAllBreakoutRooms()</code>	0.0 / 2.0
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Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.Abigail_Goorachan_657690_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
<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.Abigail_Goorachan_657690_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.</code></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 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.Abigail_Goorachan_657690_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.</code></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 7/14; 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
Constructor	<code>VirtualRoom(String)</code>	2.0 / 2.0
Method	<code>createBreakoutRooms()</code>	2.0 / 2.0
Method	<code>closeBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>listBreakoutRooms()</code>	0.0 / 2.0
Returns incorrect values. We expect your method to return a particular value, but instead yours returns another incorrect one.		
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		✓

Check `listBreakoutRooms()` method returns string containing attribute `name`

✗

Method

`findBreakoutRoom(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 `public BreakoutRoom findBreakoutRoom(int)` method exists and defined properly

✓

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

✓

Check `createBreakoutRooms()` 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

`findParticipantBreakoutRoom(String)`

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>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>)	✓
Check <code>addParticipantToBreakoutRoom(String, int)</code> method runs with args (<code>"12345678"</code> , <code>1</code>)	✓
Check <code>findParticipantBreakoutRoom(String)</code> method returns <code>not null</code> with args (<code>"12345678"</code>)	✗

Method	<code>getNumberOfBreakoutRooms()</code>	0.0 / 1.0
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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>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 (<code>"VirtualRoom"</code>)	✓
Check <code>getNumberOfBreakoutRooms()</code> method returns value equal to attribute <code>breakoutRoomLimit</code>	✗

Method	<code>listParticipantsInBreakoutRoom(int)</code>	0.0 / 2.0
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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	✓
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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
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>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)	✓	
Check <code>addParticipantToBreakoutRoom(String, int)</code> method returns true with args (<code>"12345678", 1</code>)	✗	

BreakoutRoom Class

Passed 11/16; Partially passed 2/16; Failed 3/16.

Attribute	<code>breakoutRoomID</code>	1.0 / 1.0
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Attribute	<code>breakoutRoomSize</code>	1.0 / 1.0
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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>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>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)" because "this.participants[i]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</code></p> <p>Check <code>BreakoutRoom(String)</code> constructor exists and is accessible ✓</p> <p>Check <code>addParticipant(String)</code> method exists and is accessible ✓</p> <p>Check <code>openBreakoutRoom()</code> method exists and is accessible ✓</p> <p>Check <code>public Participant findParticipant(String)</code> method exists and defined properly ✓</p> <p>Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1") ✓</p> <p>Check <code>openBreakoutRoom()</code> method runs ✓</p> <p>Check <code>addParticipant(String)</code> method runs with args ("10000000") ✗</p>		
Method	<code>addParticipant(String)</code>	0.0 / 2.0
Does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot invoke</code>		

"Object.equals(Object)" because "this.participants[i]" 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
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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 "Object.equals(Object)" because "this.participants[i]" 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	toString()	0.5 / 2.0
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Returns some values but not all. We expect your method to return a set of values, but instead yours returns only some.

- | | |
|---|---|
| Check BreakoutRoom(String) constructor exists and is accessible | ✓ |
| Check breakoutRoomID 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 +0.5</code>	✓
Check <code>toString()</code> method returns string containing attribute <code>numberOfParticipants</code>	✗

Participant Class

Passed 5/5.

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>verifyID(String)</code>	2.0 / 2.0
Method	<code>getParticipantID()</code>	1.0 / 1.0