



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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41.25%

F2

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	18.0
BreakoutRoom	8.0
Participant	2.0
Bonuses	+5.0
Total (out of 80.0)	33.0

Grade Changes

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

Bonuses	
Merit Bonus: Early submission	+5.0

VirtualMeetingSystem Class

Failed 10/10.

Method	loadParticipantData(String)	0.0 / 5.0
Does not alter the participantsIDs 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 participantsIDs attribute equals an array with size 50		✗

Method	createVirtualRoom(String)	0.0 / 2.0
Does not alter the mainRoom 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 `mainRoom` attribute equals `not null`



Method

`allocateParticipants(String)`

0.0 / 10.0

Does not work as anticipated: produced `java.lang.NullPointerException: Cannot invoke "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.getBreakoutRoomLimit()" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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 `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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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 <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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` because `"out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom"` 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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)"` because `"out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom"` 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 ("VirtualRoom")	✓
Check <code>openBreakoutRoom(int)</code> method runs with args (1)	✗

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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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 ("VirtualRoom")	✓
Check <code>closeBreakoutRoom(int)</code> method runs with args (1)	✗

Method	<code>listAllBreakoutRooms()</code>	0.0 / 2.0
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Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.listBreakoutRooms()" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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
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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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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 findParticipantBreakoutRoom(String) 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	listParticipantsInAllBreakoutRooms()	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.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "out.De_Jhan_Aaron_671781_assignsubmission_file_.VirtualMeetingSystem.mainRoom" 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 listParticipantsInAllBreakoutRooms() 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)		✗

VirtualRoom Class

Passed 11/14; Failed 3/14.

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>listBreakoutRooms()</code>	2.0 / 2.0
Method	<code>findBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>createBreakoutRooms()</code>	2.0 / 2.0
Method	<code>openBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>closeBreakoutRoom(int)</code>	2.0 / 2.0
Method	<code>getNumberOfBreakoutRooms()</code>	1.0 / 1.0
Method	<code>findParticipantBreakoutRoom(String)</code>	0.0 / 2.0
Does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.participants" 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 `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	<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 `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	<code>addParticipantToBreakoutRoom(String, 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 `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 <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 returns <code>true</code> with args <code>("12345678", 1)</code>	✗

BreakoutRoom Class

Passed 6/16; Partially passed 1/16; Failed 9/16.

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
Attribute	<code>breakoutRoomNumberCounter</code>	1.0 / 1.0
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		

Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Class	Should not be printed	0.0 / 1.0
Should not be printed. Should not be printed.		
Constructor	BreakoutRoom(String)	2.0 / 3.0
Does not initialize the participants attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.		
Check <code>public BreakoutRoom(String)</code> constructor exists and defined properly		✓
Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1") +1.0		✓
Check <code>breakoutRoomID</code> attribute equals <code>not null</code> +0.5		✓
Check <code>breakoutRoomSize</code> attribute equals <code>10</code> +0.5		✓
Check <code>participants</code> attribute equals an array with size 10		✗

Participant Class

Passed 1/5; Partially passed 1/5; Failed 3/5.

Attribute	participantID	1.0 / 1.0
Class	Should not be printed	0.0 / 1.0

Should not be printed. Should not be printed.

Class	Should not be printed	0.0 / 1.0
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Should not be printed. Should not be printed.

Class	Should not be printed	0.0 / 1.0
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Should not be printed. Should not be printed.

Constructor	Participant(String)	1.0 / 2.0
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Does not initialize the participantID attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check <code>public Participant(String)</code> constructor exists and defined properly	✓
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Check <code>Participant(String)</code> constructor creates instances with args ("12345678") +1.0	✓
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Check <code>participantID</code> attribute equals <code>equalToIgnoringWhiteSpace("12345678")</code>	✗
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