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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80.23%

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Criteria	Mark
VirtualMeetingSystem	11.0
VirtualRoom	23.0
BreakoutRoom	20.0
Participant	5.0
Bonuses	+10.0
Total (out of 86.0)	**69.0**

Grade Changes

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

Bonuses	
Merit Bonus: Early submission	+5.0
Question Bonus: allocateParticipants(String)	+5.0

VirtualMeetingSystem Class

Passed 1/10; Partially passed 1/10; Failed 8/10.

Method	`allocateParticipants(String)`	10.0 / 10.0

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	`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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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/a1/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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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.Evan_Ramlal_657755_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 `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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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.Evan_Ramlal_657755_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[i]" 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)`		✗

Method	**loadParticipantData(String)**	1.0 / 5.0

Does not alter the people 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/a1/test/resources/participant.dat")`	✓
Check first attribute with type `String[]` equals `an array with size 50`	✓
Check `people` attribute equals `an array with size 50` **+1.0**	✓
Check first attribute with type `String[]` equals `not an array containing null` **+1.0**	✓
Check `people` attribute equals `not an array containing null`	✗

VirtualRoom Class

Passed 13/14; Failed 1/14.

Attribute	**breakoutRooms**	1.0 / 1.0
Attribute	**name**	1.0 / 1.0
Constructor	**VirtualRoom(String, int)**	2.0 / 2.0
Constructor	**VirtualRoom(String)**	2.0 / 2.0
Method	**listBreakoutRooms()**	2.0 / 2.0

Method	`findBreakoutRoom(int)`	2.0 / 2.0
Method	`createBreakoutRooms()`	2.0 / 2.0
Method	`openBreakoutRoom(int)`	2.0 / 2.0
Method	`closeBreakoutRoom(int)`	2.0 / 2.0
Method	`findParticipantBreakoutRoom(String)`	2.0 / 2.0
Method	`getNumberOfBreakoutRooms()`	1.0 / 1.0
Method	`listParticipantsInBreakoutRoom(int)`	2.0 / 2.0
Method	`addParticipantToBreakoutRoom(String, int)`	2.0 / 2.0
Attribute	`breakoutRoomLimit`	0.0 / 1.0

Does not have final modifier. We expect your attribute or method to have the final keyword indicating that it is a constant attribute or an un-overridable method, but yours doesn't.

Check `private final int breakoutRoomLimit` attribute exists and defined properly   ✗

BreakoutRoom Class

Passed 14/16; Failed 2/16.

Attribute	`breakoutRoomSize`	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	`findParticipant(String)`	2.0 / 2.0

Method	`toString()`	2.0 / 2.0
Method	`getBreakoutRoomID()`	1.0 / 1.0
Method	`getOpen()`	1.0 / 1.0
Method	`addParticipant(String)`	2.0 / 2.0
Method	`listParticipants()`	2.0 / 2.0
Method	`openBreakoutRoom()`	1.0 / 1.0
Method	`closeBreakoutRoom()`	1.0 / 1.0
Method	`getNumberOfParticipants()`	1.0 / 1.0
Attribute	**breakoutRoomID**	0.0 / 1.0

Should not have final modifier . We expect your attribute or method to be defined without the final keyword, but yours is.

Check `private String breakoutRoomID` attribute exists and defined properly ✗

Attribute	**participants**	0.0 / 1.0

Should not have final modifier . We expect your attribute or method to be defined without the final keyword, but yours is.

Check `private Participant[] participants` attribute exists and defined properly ✗

Participant Class

Passed 3/5; Failed 2/5.

Constructor	`Participant(String)`	2.0 / 2.0
Method	`toString()`	2.0 / 2.0
Method	`getParticipantID()`	1.0 / 1.0

Attribute	participantID	0.0 / 1.0

Should not have final modifier . We expect your attribute or method to be defined without the final keyword, but yours is.

Check `private String participantID` attribute exists and defined properly ✗

Method	verifyID(String)	0.0 / 2.0

Is not a class method. We expect your method to be defined with the static keyword indicating that it is an class method, but yours isn't.

Check `public static boolean verifyID(String)` method exists and defined properly ✗