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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43.60%
F2

Criteria	Mark
VirtualMeetingSystem	1.0
VirtualRoom	8.0
BreakoutRoom	17.5
Participant	6.0
Bonuses	+5.0
Total (out of 86.0)	**37.5**

Grade Changes

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0

VirtualMeetingSystem Class

Partially passed 1/10; Failed 9/10.

Method	`createVirtualRoom(String)`	0.0 / 2.0

Something went wrong. Something went wrong.

Check `VirtualMeetingSystem()` constructor exists and is accessible ✓

Check `public void createVirtualRoom(String)` method exists and defined properly ✗

Method	`allocateParticipants(String)`	0.0 / 10.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.virtualRooms" 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/a1/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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 data 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 `data` attribute equals `an array with size 50` +1.0 ✓

Check first attribute with type `String[]` equals `not an array containing null` +1.0 ✓

Check `data` attribute equals `not an array containing null` ✗

VirtualRoom Class

Passed 5/14; Failed 9/14.

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

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 ✗

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 **createBreakoutRooms()** 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 `breakoutRooms` attribute exists ✓

Check `public void createBreakoutRooms()` method exists and defined properly ✓

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

Check `createBreakoutRooms()` method runs ✓

Check `breakoutRooms` attribute equals `not an array containing null` ✗

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 **`closeBreakoutRoom(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 `breakoutRooms` attribute exists ✓

Check `public boolean closeBreakoutRoom(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 `breakoutRooms` attribute equals `an array containing hasProperty("open", false)` ✗

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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `createBreakoutRooms()` method exists and is accessible ✓

Check `listParticipantsInBreakoutRoom(int)` method exists and is accessible ✓

Check `addParticipantToBreakoutRoom(String, int)` method exists and is accessible ✓

Check `public String findParticipantBreakoutRoom(String)` 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 **`getNumberOfBreakoutRooms()`** 0.0 / 1.0

Something went wrong. Something went wrong.

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

Check `breakoutRoomLimit` attribute exists ✓

Check `public int getNumberOfBreakoutRooms()` method exists and defined properly ✗

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 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 `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 12/16; Partially passed 2/16; Failed 2/16.

Attribute	**`breakoutRoomID`**	1.0 / 1.0
Attribute	**`participants`**	1.0 / 1.0
Attribute	**`numberOfParticipants`**	1.0 / 1.0
Attribute	**`open`**	1.0 / 1.0
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	**openBreakoutRoom()**	1.0 / 1.0
Method	**closeBreakoutRoom()**	1.0 / 1.0
Method	**getNumberOfParticipants()**	1.0 / 1.0

Attribute	**breakoutRoomSize**	0.0 / 1.0

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

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

Attribute	**breakoutRoomNumberCounter**	0.0 / 1.0

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

Check `private static int breakoutRoomNumberCounter` attribute exists and defined properly ✗

Constructor	**BreakoutRoom(String)**	1.5 / 3.0

Does not initialize the breakoutRoomSize attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check `public BreakoutRoom(String)` constructor exists and defined properly ✓

Check `BreakoutRoom(String)` constructor creates instances with args `("Room1")` +1.0 ✓

Check `breakoutRoomID` attribute equals `not null` +0.5 ✓

Check `breakoutRoomSize` attribute equals `10` ✗

Method	**listParticipants()**	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 `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")` ✓

Check `listParticipants()` method returns string containing attribute `breakoutRoomID` +1.0 ✓

Check `listParticipants()` method returns string containing attribute `participants` in format `"participant_1.toString() \n participant_2.toString() \n ... participant_n.toString()"` ✗

Participant Class

Passed 4/5; Failed 1/5.

Attribute	**`participantID`**	1.0 / 1.0
Constructor	**`Participant(String)`**	2.0 / 2.0
Method	**`toString()`**	2.0 / 2.0
Method	**`getParticipantID()`**	1.0 / 1.0
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 ✗