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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71.51%
B+

Criteria	Mark
VirtualMeetingSystem	9.0
VirtualRoom	18.0
BreakoutRoom	20.0
Participant	5.5
Bonuses	+10.0
Deductions	-1.0
Total (out of 86.0)	**61.5**

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

Deductions	
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Passed 4/10; Partially passed 1/10; Failed 5/10.

Method	**createVirtualRoom(String)**	2.0 / 2.0

Method	**openBreakoutRoom(int)**	2.0 / 2.0

Method	**closeBreakoutRoom(int)**	2.0 / 2.0

Method	**listAllBreakoutRooms()**	2.0 / 2.0

Method	**allocateParticipants(String)**	0.0 / 10.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.length()" because "participantID" 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

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 `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 ✗

Method **`listParticipants(int)`** 0.0 / 3.0

Is not testable because testing relies on the addParticipant 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 `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 ✗

Method **`findParticipantBreakoutRoom(String)`** 0.0 / 2.0

Is not testable because testing relies on the addParticipant 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 `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 ✗

Method	`listParticipantsInAllBreakoutRooms()`	0.0 / 2.0

Is not testable because testing relies on the addParticipant 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 `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 ✗

Method	`loadParticipantData(String)`	1.0 / 5.0

Does not alter the participants 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 `participants` attribute equals `an array with size 50` +1.0 ✓

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

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

VirtualRoom Class

Passed 7/14; Partially passed 5/14; Failed 2/14.

Attribute	`breakoutRooms`	1.0 / 1.0

Attribute	`name`	1.0 / 1.0

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

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

Constructor	`VirtualRoom(String, int)`	1.0 / 2.0

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

Check `public VirtualRoom(String, int)` constructor exists and defined properly ✓

Check `VirtualRoom(String, int)` constructor creates instances with args `("VirtualRoom", 10)` +0.5 ✓

Check `name` attribute equals `"VirtualRoom"` +0.5 ✓

Check `breakoutRoomLimit` attribute equals `10` ✗

Constructor	`VirtualRoom(String)`	1.0 / 2.0

Does not initialize the breakoutRoomLimit 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"` +0.5 ✓

Check `breakoutRoomLimit` attribute equals `5` ✗

Method	`getNumberOfBreakoutRooms()`	0.0 / 1.0

Is not testable because testing relies on the breakoutRoomLimit attribute 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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `breakoutRoomLimit` attribute exists ✗

Method **`addParticipantToBreakoutRoom(String, int)`** 1.0 / 2.0

Cannot be further tested because testing relies on the listParticipantsInBreakoutRoom method that does not alter the value 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 `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)` +1.0 ✓

Check `listParticipantsInBreakoutRoom(int)` method returns `a string containing "12345678"` with args `(1)` ✗

Method **`listBreakoutRooms()`** 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 `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` +1.5 ✓

Check `listBreakoutRooms()` method returns string containing attribute `breakoutRooms` in format `"breakoutRoom_1.toString() \n breakoutRoom_2.toString() \n ... breakoutRoom_n.toString()"` ✗

Method **`listParticipantsInBreakoutRoom(int)`** 1.5 / 2.0

Does not alter the value 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 `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)` +1.0 ✓

Check `listParticipantsInBreakoutRoom(int)` method returns string containing attribute `name` with args `(1)` +0.5 ✓

Check `openBreakoutRoom(int)` method runs with args `(1)` +0.5 ✓

Check `addParticipantToBreakoutRoom(String, int)` method runs with args `("12345678", 1)` +0.5 ✓

Check `listParticipantsInBreakoutRoom(int)` method returns `a string containing "12345678"` with args `(1)` ✗

BreakoutRoom Class

Passed 14/16; 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
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
Attribute	**breakoutRoomSize**	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 breakoutRoomSize` attribute exists and defined properly ✗

Method	**getNumberOfParticipants()**	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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `numberOfParticipants` attribute exists ✓

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

Participant Class

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

Attribute	**participantID**	1.0 / 1.0
Constructor	**Participant(String)**	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 ✗

Method	**toString()**	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 `Participant(String)` constructor exists and is accessible ✓

Check `participantID` attribute exists ✓

Check `public String toString()` method exists and defined properly ✓

Check `Participant(String)` constructor creates instances with args `("12345678")` ✓

Check `toString()` method returns string containing attribute `participantID` +1.5 ✓

Check `toString()` method returns string containing attribute `participantID` in format `Participant: participantID` ✗