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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52.91%
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Criteria	Mark
VirtualMeetingSystem	6.0
VirtualRoom	12.0
BreakoutRoom	11.5
Participant	6.0
Bonuses	+10.0
Total (out of 86.0)	**45.5**

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

VirtualMeetingSystem Class

Passed 3/10; Failed 7/10.

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

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

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

Method	**loadParticipantData(String)**	0.0 / 5.0

Does not alter the details 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 `details` attribute equals `an array with size 50` ✗

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.charAt(int)" 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

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 `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)` ✓

Check `addParticipant(String, int)` method returns `true` with args `("12345678", 1)` ✗

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

Returns some values but not all. We expect your method to return a set of values, but instead yours returns

only some.

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)` ✓

Check `addParticipant(String, int)` method runs with args `("12345678", 1)` ✓

Check `listParticipants(int)` method returns `a string containing "VirtualRoom"` with args `(1)` ✗

Method **`listAllBreakoutRooms()`** 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 `createVirtualRoom(String)` method exists and is accessible ✓

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

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 `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)` ✓

Check `addParticipant(String, int)` method runs with args `("12345678", 1)` ✓

Check `findParticipantBreakoutRoom(String)` method returns `not null` with args `("12345678")` ✗

Method	**`listParticipantsInAllBreakoutRooms()`**	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 `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 ✗

VirtualRoom Class

Passed 6/14; Failed 8/14.

Constructor	**`VirtualRoom(String, int)`**	2.0 / 2.0
Constructor	**`VirtualRoom(String)`**	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 **findParticipantBreakoutRoom(String)** 2.0 / 2.0

Attribute **breakoutRooms** 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 BreakoutRoom[] breakoutRooms` attribute exists and defined properly ✗

Attribute **breakoutRoomLimit** 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 breakoutRoomLimit` attribute exists and defined properly ✗

Attribute **name** 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 String name` attribute exists and defined properly ✗

Method **listBreakoutRooms()** 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 `VirtualRoom(String)` constructor exists and is accessible ✓

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

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

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 **`getNumberOfBreakoutRooms()`** 0.0 / 1.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Jiles_Ramjattan_657776_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.breakoutRooms[count]" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

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

Check `breakoutRoomLimit` attribute exists ✓

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

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

Check `getNumberOfBreakoutRooms()` method returns value equal to attribute `breakoutRoomLimit` ✗

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 8/16; Partially passed 1/16; Failed 7/16.

Attribute	**breakoutRoomID**	1.0 / 1.0
Attribute	**participants**	1.0 / 1.0
Attribute	**numberOfParticipants**	1.0 / 1.0
Attribute	**open**	1.0 / 1.0
Constructor	**BreakoutRoom(String)**	3.0 / 3.0
Method	**getBreakoutRoomID()**	1.0 / 1.0

Method	`getOpen()`	1.0 / 1.0

Method	`getNumberOfParticipants()`	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 ✗

Attribute	`breakoutRoomNumberCounter`	0.0 / 1.0

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

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

Method	`findParticipant(String)`	0.0 / 2.0

Is not testable because testing relies on the openBreakoutRoom 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `addParticipant(String)` method exists and is accessible ✓

Check `openBreakoutRoom()` method exists and is accessible ✗

Method	`addParticipant(String)`	0.0 / 2.0

Is not testable because testing relies on the openBreakoutRoom 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `openBreakoutRoom()` method exists and is accessible ✗

Method	`listParticipants()`	0.0 / 2.0

Is not testable because testing relies on the openBreakoutRoom 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `addParticipant(String)` method exists and is accessible ✓

Check `openBreakoutRoom()` method exists and is accessible ✗

Method **`openBreakoutRoom()`** 0.0 / 1.0

Is not testable because testing relies on the closeBreakoutRoom 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `closeBreakoutRoom()` method exists and is accessible ✗

Method **`closeBreakoutRoom()`** 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 `open` attribute exists ✓

Check `numberOfParticipants` attribute exists ✓

Check `public void closeBreakoutRoom()` 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `breakoutRoomID` attribute exists ✓

Check `numberOfParticipants` attribute exists ✓

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

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

Check `openBreakoutRoom()` method runs ✓

Check `toString()` method returns string containing attribute `breakoutRoomID` +0.5 ✓

Check `toString()` method returns string containing attribute `numberOfParticipants` +0.5 ✓

Check `toString()` method returns string containing attribute `breakoutRoomID` in format `breakoutRoomID OPEN` +0.5 ✓

Check `toString()` method returns string containing attribute `numberOfParticipants` in format `OPEN numberOfParticipants` ✗

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

Does not return anticipated type. We expect your method to be defined with a particular return type, but yours isn't.

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