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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45.35%
F1

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	15.5
BreakoutRoom	15.5
Participant	8.0
Total (out of 86.0)	**39.0**

VirtualMeetingSystem Class

Failed 10/10.

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

Is not testable because testing relies on a constructor 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 ✕

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

Is not testable because testing relies on a constructor 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 ✕

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

Is not testable because testing relies on a constructor 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 ✕

Method **`addParticipant(String, int)`** 0.0 / 2.0

Is not testable because testing relies on a constructor 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 ✕

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

Is not testable because testing relies on a constructor 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 ✕

Method **`openBreakoutRoom(int)`** 0.0 / 2.0

Is not testable because testing relies on a constructor 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 ✗

Method	**`closeBreakoutRoom(int)`**	0.0 / 2.0

Is not testable because testing relies on a constructor 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 ✗

Method	**`listAllBreakoutRooms()`**	0.0 / 2.0

Is not testable because testing relies on a constructor 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 ✗

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

Is not testable because testing relies on a constructor 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 ✗

Method	**`listParticipantsInAllBreakoutRooms()`**	0.0 / 2.0

Is not testable because testing relies on a constructor 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 ✗

VirtualRoom Class

Passed 8/14; Partially passed 1/14; Failed 5/14.

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	**`findBreakoutRoom(int)`**	2.0 / 2.0
Method	**`createBreakoutRooms()`**	2.0 / 2.0
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 ✗

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: produced java.lang.ArrayIndexOutOfBoundsException: Index 5 out of bounds for length 5. 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 `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

Returns abnormal values. We expect your method to return a particular value, but instead yours returns a value that is not feasible nor valid.

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	`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()"` ✗

BreakoutRoom Class

Passed 11/16; Partially passed 2/16; Failed 3/16.

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
Method	**toString()**	2.0 / 2.0
Method	**getBreakoutRoomID()**	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

Is not an instance attribute. We expect your attribute to be defined without the static keyword indicating that it is an instance attribute, but yours isn't.

Check `private final int breakoutRoomSize` 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	**findParticipant(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 `BreakoutRoom(String)` constructor exists and is accessible ✓

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

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

Check `public Participant findParticipant(String)` 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 `findParticipant(String)` method returns `not null` with args `("10000000")` ✗

Method **`getOpen()`** 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 `public boolean getOpen()` method exists and defined properly ✗

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 5/5.

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