**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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53.49%
**C**

| Criteria | Mark |
|---|---|
| VirtualMeetingSystem | 7.0 |
| VirtualRoom | 16.0 |
| BreakoutRoom | 19.0 |
| Participant | 6.0 |
| Deductions | -2.0 |
| **Total (out of 86.0)** | **46.0** |

## Grade Changes

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

| Deductions | |
|---|---|
| Logic Error: Erroneously prompted user for input | -2 |

## VirtualMeetingSystem Class

Passed 3/10; Partially passed 1/10; Failed 6/10.

| Method | **`addParticipant(String, int)`** | 2.0 / 2.0 |
|---|---|---|

| Method | **`openBreakoutRoom(int)`** | 2.0 / 2.0 |
|---|---|---|

| Method | **`listParticipantsInAllBreakoutRooms()`** | 2.0 / 2.0 |
|---|---|---|

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

Takes too long to execute. We expect your method to run within a reasonable amount of time, but yours didn't; it may contain infinite loops or other functionality that makes it take an unreasonable time to run.

| | |
|---|---|
| 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")` | ✗ |

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

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

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

Does not work as anticipated: produced java.lang.StackOverflowError. 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

Cannot be further tested because testing relies on the createVirtualRoom method that takes too long to execute. We expect your method to run within a reasonable amount of time, but yours didn't; it may contain infinite loops or other functionality that makes it take an unreasonable time to run.

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")` ✗

Method **`findParticipantBreakoutRoom(String)`** 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 findParticipantBreakoutRoom(String)` method exists and defined properly ✗

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

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

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

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

## VirtualRoom Class

Passed 9/14; Partially passed 1/14; Failed 4/14.

| | | |
|---|---|---|
| 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 | **`getNumberOfBreakoutRooms()`** | 1.0 / 1.0 |
| 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 | **`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

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 `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 ✗

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

Cannot be further tested because testing relies on the createBreakoutRooms method that takes too long to execute. We expect your method to run within a reasonable amount of time, but yours didn't; it may contain infinite loops or other functionality that makes it take an unreasonable time to run.

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 | ✗ |

| Method | **`listParticipantsInBreakoutRoom(int)`** | 1.0 / 2.0 |
|---|---|---|

Returns incorrect values. We expect your method to return a particular value, but instead yours returns another incorrect one.

| | |
|---|---|
| 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)` | ✗ |

## BreakoutRoom Class

Passed 13/16; Partially passed 2/16; Failed 1/16.

| | | |
|---|---|---|
| Attribute | **`breakoutRoomID`** | 1.0 / 1.0 |
| Attribute | **`breakoutRoomSize`** | 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 | **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 |
| Method | **getBreakoutRoomID()** | 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 `breakoutRoomID` attribute exists | ✓ |
| Check `public String getBreakoutRoomID()` method exists and defined properly | ✗ |

| | | |
|---|---|---|
| Method | **toString()** | 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 `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` | ✗ |

| 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 ✗