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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34.88%

F3

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	7.0
BreakoutRoom	15.0
Participant	8.0
Total (out of 86.0)	**30.0**

VirtualMeetingSystem Class

Failed 10/10.

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

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

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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")` ✗

VirtualRoom Class

Passed 4/14; Partially passed 2/14; Failed 8/14.

Attribute	**`breakoutRooms`**	1.0 / 1.0
Attribute	**`breakoutRoomLimit`**	1.0 / 1.0
Attribute	**`name`**	1.0 / 1.0
Method	**`getNumberOfBreakoutRooms()`**	1.0 / 1.0
Constructor	**`VirtualRoom(String, int)`**	1.5 / 2.0

Does not initialize the breakoutRooms 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` +0.5 ✓

Check `breakoutRooms` attribute equals `an array with size 10` ✗

Constructor	**`VirtualRoom(String)`**	1.5 / 2.0

Does not initialize the breakoutRooms 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` +0.5 ✓

Check `breakoutRooms` attribute equals `an array with size 5` ✗

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

Cannot be further tested because testing relies on the createBreakoutRooms method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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 ✗

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

Cannot be further tested because testing relies on the createBreakoutRooms method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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 ✗

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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 ✗

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

Cannot be further tested because testing relies on the createBreakoutRooms method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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 ✗

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

Cannot be further tested because testing relies on the createBreakoutRooms method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.breakoutRooms" 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 `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 ✗

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

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

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

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

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

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

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

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

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

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

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

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

BreakoutRoom Class

Passed 12/16; Partially passed 1/16; Failed 3/16.

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
Method	**`toString()`**	2.0 / 2.0
Method	**`getBreakoutRoomID()`**	1.0 / 1.0
Method	**`getOpen()`**	1.0 / 1.0
Method	**`openBreakoutRoom()`**	1.0 / 1.0
Method	**`closeBreakoutRoom()`**	1.0 / 1.0
Method	**`getNumberOfParticipants()`**	1.0 / 1.0
Constructor	**`BreakoutRoom(String)`**	2.0 / 3.0

Does not initialize the participants 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` +0.5 ✓

Check `participants` attribute equals `an array with size 10` ✗

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

Cannot be further tested because testing relies on the addParticipant method that does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.participants" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

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")` ✗

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.participants" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.

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

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

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

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

Check `openBreakoutRoom()` method runs ✓

Check `addParticipant(String)` method returns `true` with args `("10000000")` ✗

Method **`listParticipants()`** 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 `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 ✗

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