The University of the West Indies, St. Augustine
COMP 2603 Object Oriented Programming I
Assignment 1 Grade Sheet
2020/2021 Semester 2

Josie Lewis (816020986)

8.72%

F3

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	4.0
BreakoutRoom	2.5
Participant	1.0
Total (out of 86.0)	**7.5**

VirtualMeetingSystem Class

Failed 10/10.

Method	`loadParticipantData(String)`	0.0 / 5.0

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

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` ✗

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

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 `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

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 `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 ✗

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

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 `VirtualMeetingSystem()` constructor exists and is accessible ✓

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

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

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

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

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

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

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

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 `VirtualMeetingSystem()` constructor exists and is accessible ✓

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

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

Method	listParticipantsInAllBreakoutRooms()	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 `VirtualMeetingSystem()` constructor exists and is accessible ✓

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

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

VirtualRoom Class

Passed 1/14; Partially passed 2/14; Failed 11/14.

Attribute	`name`	1.0 / 1.0

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

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 ✗

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 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 `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 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 `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

Is not testable because testing relies on the breakoutRooms 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 `breakoutRooms` attribute exists ✗

Method	openBreakoutRoom(int)	0.0 / 2.0

Is not testable because testing relies on the breakoutRooms 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 `createBreakoutRooms()` method exists and is accessible ✓

Check `closeBreakoutRoom(int)` method exists and is accessible ✓

Check `breakoutRooms` attribute exists ✗

Method	closeBreakoutRoom(int)	0.0 / 2.0

Is not testable because testing relies on the breakoutRooms 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 `createBreakoutRooms()` method exists and is accessible ✓

Check `breakoutRooms` attribute exists ✗

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	getNumberOfBreakoutRooms()	0.0 / 1.0

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 `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

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 `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 ✗

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 ✗

BreakoutRoom Class

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

Method	openBreakoutRoom()	1.0 / 1.0

Attribute	breakoutRoomID	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 breakoutRoomID` attribute exists and defined properly ✗

Attribute	breakoutRoomSize	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 breakoutRoomSize` attribute exists and defined properly ✗

Attribute	participants	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 Participant[] participants` attribute exists and defined properly ✗

Attribute	numberOfParticipants	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 int numberOfParticipants` attribute exists and defined properly ✗

Attribute	open	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 boolean open` attribute exists and defined properly ✗

Attribute	breakoutRoomNumberCounter	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 static int breakoutRoomNumberCounter` attribute exists and defined properly ✗

Constructor	**BreakoutRoom(String)**	1.0 / 3.0

Does not initialize the breakoutRoomID 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` ✗

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 invoke "out.Josie_Lewis_657720_assignsubmission_file_.Participant.verifyID(String)" because "this.Obj" 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	**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 — `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 — `addParticipant(String)` 0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Josie_Lewis_657720_assignsubmission_file_.Participant.verifyID(String)" because "this.Obj" 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

Cannot be further tested because testing relies on the addParticipant method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Josie_Lewis_657720_assignsubmission_file_.Participant.verifyID(String)" because "this.Obj" 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 `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")` ✗

Method	closeBreakoutRoom()	0.0 / 1.0

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

Check `open` attribute exists ✓

Check `numberOfParticipants` attribute exists ✓

Check `public void closeBreakoutRoom()` method exists and defined properly ✓

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

Check `closeBreakoutRoom()` method runs ✗

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 ✗

Method	toString()	0.5 / 2.0

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

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` ✗

Participant Class

Partially passed 1/5; Failed 4/5.

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

Constructor	**Participant(String)**	1.0 / 2.0

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

Check `public Participant(String)` constructor exists and defined properly ✓

Check `Participant(String)` constructor creates instances with args `("12345678")` +1.0 ✓

Check `participantID` attribute equals `equalToIgnoringWhiteSpace("12345678")` ✗

Method	**toString()**	0.0 / 2.0

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

Check `participantID` attribute exists ✗

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	**getParticipantID()**	0.0 / 1.0

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

Check `participantID` attribute exists   ✗