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

AJAY GUNNESS (816021061)
5.81%
F3

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	0.5
BreakoutRoom	4.5
Participant	1.0
Deductions	-1.0
Total (out of 86.0)	**5.0**

Grade Changes

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

Deductions	
Formatting Error: Incorrect zip name format	-1

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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

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

Cannot be further tested because testing relies on the createVirtualRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot load from object array because "this.virtualRooms" 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 load from object array because "this.virtualRooms" 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

Partially passed 1/14; Failed 13/14.

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 ✗

Constructor	**`VirtualRoom(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 `public VirtualRoom(String)` constructor exists and defined properly ✗

Constructor **`VirtualRoom(String, int)`** 0.5 / 2.0

Does not initialize the name 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"` ✗

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

Method **`findBreakoutRoom(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 `VirtualRoom(String)` constructor exists and is accessible ✗

Method **`createBreakoutRooms()`** 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 `VirtualRoom(String)` 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 `VirtualRoom(String)` 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 `VirtualRoom(String)` 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 `VirtualRoom(String)` constructor exists and is accessible ✗

Method	`getNumberOfBreakoutRooms()`	0.0 / 1.0

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 `VirtualRoom(String)` constructor exists and is accessible ✗

Method	`listParticipantsInBreakoutRoom(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 `VirtualRoom(String)` constructor exists and is accessible ✗

Method	`addParticipantToBreakoutRoom(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 `VirtualRoom(String)` constructor exists and is accessible ✗

BreakoutRoom Class

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

Method	`openBreakoutRoom()`	1.0 / 1.0

Method	`closeBreakoutRoom()`	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

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 ✗

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

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 **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 for invalid inputs. We expect your method to work in a particular way (and possibly return an anticipated value) when given bad inputs, but yours doesn't.

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 **`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` ✗

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 `participants` ✗

Participant Class

Partially passed 1/5; Failed 4/5.

Attribute **`participantID`** 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 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 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 `Participant(String)` constructor exists and is accessible ✓

Check `participantID` attribute exists ✗

Method **`verifyID(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 `public static boolean verifyID(String)` method exists and defined properly ✓

Check `verifyID(String)` method returns `true` with args `("12345678")` ✗

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

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

Check `participantID` attribute exists ✗