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

Clepatra Arrindell-Walker (813001054)
48.84%
F1

Criteria	Mark
VirtualMeetingSystem	8.0
VirtualRoom	8.0
BreakoutRoom	13.0
Participant	8.0
Bonuses	+5.0
Total (out of 86.0)	**42.0**

Grade Changes

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

Bonuses	
Merit Bonus: Early submission	+5.0

VirtualMeetingSystem Class

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

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

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

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

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

Does not work as anticipated: produced java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory). 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 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")` ✗

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

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 createVirtualRoom(String)` method exists and defined properly ✓

Check `VirtualMeetingSystem()` constructor creates instances ✓

Check `createVirtualRoom(String)` method runs with args `("VirtualRoom")` ✓

Check first attribute with type `VirtualRoom` equals `not null` ✗

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

Cannot be further tested because testing relies on the loadParticipantData method that does not work as anticipated: produced java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory). 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")` ✗

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

Cannot be further tested because testing relies on the loadParticipantData method that does not work as anticipated: produced java.io.FileNotFoundException: src/a1/test/resources/participant.dat (No such file or directory). 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")` ✗

Method **`listAllBreakoutRooms()`** 0.0 / 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 `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")` ✓

Check `listAllBreakoutRooms()` method returns `a string containing "VirtualRoom"` ✗

Method **`listParticipantsInAllBreakoutRooms()`** 0.0 / 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 `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")` ✓

Check `openBreakoutRoom(int)` method runs with args `(1)` ✓

Check `addParticipant(String, int)` method runs with args `("12345678", 1)` ✓

Check `listParticipantsInAllBreakoutRooms()` method returns `a string containing "12345678"` ✗

Method **`listParticipants(int)`** 2.0 / 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)` +2.0	✓
Check `listParticipants(int)` method returns `a string containing "12345678"` with args `(1)`	✗

VirtualRoom Class

Passed 6/14; Failed 8/14.

Attribute	**`breakoutRooms`**	1.0 / 1.0
Attribute	**`breakoutRoomLimit`**	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	**`getNumberOfBreakoutRooms()`**	1.0 / 1.0
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 invoke "Object.equals(Object)" because "room" 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 invoke "Object.equals(Object)" because "room" 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 invoke "Object.equals(Object)" because "room" 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 invoke "Object.equals(Object)" because "room" 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 invoke "Object.equals(Object)" because "room" 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

Cannot be further tested because testing relies on the createBreakoutRooms method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "Object.equals(Object)" because "room" 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 `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 ✗

Method **`listParticipantsInBreakoutRoom(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 invoke "Object.equals(Object)" because "room" 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 `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 does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "Object.equals(Object)" because "room" 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 `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 9/16; Partially passed 3/16; Failed 4/16.

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	**`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

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

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

Check `breakoutRoomID` attribute exists ✓

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

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

Check `getBreakoutRoomID()` method returns value equal to attribute `breakoutRoomID` ✗

Method **`getOpen()`** 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 `BreakoutRoom(String)` constructor exists and is accessible ✓

Check `open` attribute exists ✓

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

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

Check `getOpen()` method returns value equal to attribute `open` ✗

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 **`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 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