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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24.42%
F3

Criteria	Mark
VirtualMeetingSystem	0.0
VirtualRoom	6.0
BreakoutRoom	4.0
Participant	6.0
Bonuses	+5.0
Total (out of 86.0)	**21.0**

Grade Changes

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

Bonuses	
Merit Bonus: Early submission	+5.0

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 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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getAddParticipant(String)" because "breakoutRooms[roomNumber]" 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") ✓

Check `allocateParticipants(String)` method runs with args ("RR") ✗

Method	addParticipant(String, int)	0.0 / 2.0

Cannot be further tested because testing relies on the openBreakoutRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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") ✓

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

Method	`listParticipants(int)`	0.0 / 3.0

Cannot be further tested because testing relies on the openBreakoutRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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")` ✓

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

Method	`openBreakoutRoom(int)`	0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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")` ✓

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

Method	`closeBreakoutRoom(int)`	0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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")` ✓

Check `closeBreakoutRoom(int)` method runs with args `(1)` ✗

Method	`listAllBreakoutRooms()`	0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot read the array length 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")` ✓

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

Method	`findParticipantBreakoutRoom(String)`	0.0 / 2.0

Cannot be further tested because testing relies on the openBreakoutRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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")` ✓

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

Method	listParticipantsInAllBreakoutRooms()	0.0 / 2.0

Cannot be further tested because testing relies on the openBreakoutRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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")` ✓

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

VirtualRoom Class

Passed 3/14; Partially passed 2/14; Failed 9/14.

Attribute	breakoutRooms	1.0 / 1.0

Attribute	`name`	1.0 / 1.0

Method	`createBreakoutRooms()`	2.0 / 2.0

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   ✗

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"`   ✗

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

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

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

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

Check `public String listBreakoutRooms()` method exists and defined properly ✗

Method	findBreakoutRoom(int)	0.0 / 2.0

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

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 ✗

Method	openBreakoutRoom(int)	0.0 / 2.0

Cannot be further tested because testing relies on the closeBreakoutRoom method that does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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 ✓

Check `closeBreakoutRoom(int)` method runs with args `(1)` ✗

Method	closeBreakoutRoom(int)	0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Micah_Thomas_657795_assignsubmission_file_.BreakoutRoom.getbreakoutRoomNumberCounter()" because "breakoutRooms[i]" 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 ✓

Check `closeBreakoutRoom(int)` method runs with args `(1)` ✗

Method	findParticipantBreakoutRoom(String)	0.0 / 2.0

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot read the array length 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 `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

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

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 ✗

Method	addParticipantToBreakoutRoom(String, int)	0.0 / 2.0

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

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 ✗

BreakoutRoom Class

Passed 4/16; Failed 12/16.

Attribute	breakoutRoomID	1.0 / 1.0
Attribute	participants	1.0 / 1.0
Attribute	numberOfParticipants	1.0 / 1.0
Attribute	open	1.0 / 1.0
Attribute	breakoutRoomSize	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 breakoutRoomSize` 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)**	0.0 / 3.0

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 BreakoutRoom(String)` constructor exists and defined properly ✕

Method	**findParticipant(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 `BreakoutRoom(String)` constructor exists and is accessible ✕

Method	**toString()**	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 `BreakoutRoom(String)` constructor exists and is accessible ✕

Method	**getBreakoutRoomID()**	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 `BreakoutRoom(String)` constructor exists and is accessible ✕

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

Method	addParticipant(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 `BreakoutRoom(String)` constructor exists and is accessible ✗

Method	listParticipants()	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 `BreakoutRoom(String)` constructor exists and is accessible ✗

Method	openBreakoutRoom()	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 `BreakoutRoom(String)` constructor exists and is accessible ✗

Method	closeBreakoutRoom()	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 `BreakoutRoom(String)` constructor exists and is accessible ✗

Method	getNumberOfParticipants()	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 `BreakoutRoom(String)` constructor exists and is accessible ✗

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

Does not have public access. We expect your attribute, method or constructor to have the public keyword indicating that it has public access, but yours doesn't.

Check `public static boolean verifyID(String)` method exists and defined properly   ✗