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

Xern Mottley (81601935)

78.49%

A-

Criteria	Mark
VirtualMeetingSystem	17.0
VirtualRoom	18.5
BreakoutRoom	20.0
Participant	8.0
Bonuses	+5.0
Deductions	-1.0
Total (out of 86.0)	**67.5**

Grade Changes

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0

Deductions	
Formatting Error: Incorrect zip name format	-1

VirtualMeetingSystem Class

Passed 4/10; Partially passed 1/10; Failed 5/10.

Method	`createVirtualRoom(String)`	2.0 / 2.0

Method	`allocateParticipants(String)`	10.0 / 10.0

Method	`openBreakoutRoom(int)`	2.0 / 2.0

Method	`closeBreakoutRoom(int)`	2.0 / 2.0

Method	`addParticipant(String, int)`	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 `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)` ✓

Check `addParticipant(String, int)` method returns `true` with args `("12345678", 1)` ✗

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

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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Xern_Mottley_657730_assignsubmission_file_.BreakoutRoom.getBreakoutRoomID()" because "this.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 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

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Xern_Mottley_657730_assignsubmission_file_.BreakoutRoom.findParticipant(String)" because "this.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)` ✓

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

Check `findParticipantBreakoutRoom(String)` method returns `not null` with args `("12345678")` ✗

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	loadParticipantData(String)	1.0 / 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 **+1.0** ✓

Check first attribute with type `String[]` equals not an array containing null **+1.0** ✓

Check `participantID` attribute equals not an array containing null ✗

VirtualRoom Class

Passed 10/14; Partially passed 1/14; Failed 3/14.

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	findBreakoutRoom(int)	2.0 / 2.0
Method	createBreakoutRooms()	2.0 / 2.0
Method	openBreakoutRoom(int)	2.0 / 2.0
Method	listParticipantsInBreakoutRoom(int)	2.0 / 2.0
Method	addParticipantToBreakoutRoom(String, int)	2.0 / 2.0
Method	closeBreakoutRoom(int)	0.0 / 2.0

Cannot be further tested because testing relies on another method that Does not alter the breakoutRooms 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 `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)` ✓

Check `breakoutRooms` attribute equals `an array containing hasProperty("open", false)` ✗

Method	findParticipantBreakoutRoom(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 `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 ✓

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

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

Check `findParticipantBreakoutRoom(String)` method returns `not null` with args (`"12345678"`) ✗

Method	getNumberOfBreakoutRooms()	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 `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	listBreakoutRooms()	1.5 / 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 `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 ✓

Check `listBreakoutRooms()` method returns string containing attribute `name` +1.5 ✓

Check `listBreakoutRooms()` method returns string containing attribute `breakoutRooms` in format `"breakoutRoom_1.toString() \n breakoutRoom_2.toString() \n ... breakoutRoom_n.toString()"` ✗

BreakoutRoom Class

Passed 15/16; Failed 1/16.

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

Method	getNumberOfParticipants()	1.0 / 1.0

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"`)	✗

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