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

Narin Ramnehal (816015907)

51.74%

C

Criteria	Mark
VirtualMeetingSystem	1.0
VirtualRoom	17.5
BreakoutRoom	13.5
Participant	7.5
Bonuses	+5.0
Total (out of 86.0)	**44.5**

Grade Changes

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

Bonuses	
Question Bonus: allocateParticipants(String)	+5.0

VirtualMeetingSystem Class

Partially passed 1/10; Failed 9/10.

Method	createVirtualRoom(String)	0.0 / 2.0

Does not alter the room 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 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`	✓
Check `room` attribute equals `not null`	✗

Method	allocateParticipants(String)	0.0 / 10.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "out.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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 invoke "out.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.getNumberOfBreakoutRooms()" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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.Narin_Ramnehal_657843_assignsubmission_file_.VirtualRoom.findBreakoutRoom(int)" because "this.room" 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)` ✗

Method	loadParticipantData(String)	1.0 / 5.0

Does not alter the data 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 `data` attribute equals `an array with size 50` +1.0 ✓

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

Check `data` 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	`closeBreakoutRoom(int)`	2.0 / 2.0
Method	`getNumberOfBreakoutRooms()`	1.0 / 1.0
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	listParticipantsInBreakoutRoom(int)	0.0 / 2.0

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

Check `listParticipantsInBreakoutRoom(int)` method returns `not null` with args (`1`) ✗

Method	addParticipantToBreakoutRoom(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 `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 ✓

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

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

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

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	getBreakoutRoomID()	1.0 / 1.0

Method	getOpen()	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

Cannot be further tested because testing relies on the addParticipant method that does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.participants" 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	addParticipant(String)	0.0 / 2.0

Does not work as anticipated: produced java.lang.NullPointerException: Cannot store to object array because "this.participants" 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 store to object array because "this.participants" 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	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

Passed 4/5; Partially passed 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)`	1.5 / 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 `public static boolean verifyID(String)` method exists and defined properly ✓

Check `verifyID(String)` method returns `true` with args (`"12345678"`) +1.5 ✓

Check `verifyID(String)` method returns `false` with args (`"1234"`) ✗