



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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78.49%

A-

| Criteria | Mark |
|----------------------------|-------------|
| VirtualMeetingSystem | 18.0 |
| VirtualRoom | 20.0 |
| BreakoutRoom | 21.5 |
| Participant | 8.0 |
| Total (out of 86.0) | 67.5 |

VirtualMeetingSystem Class

Passed 8/10; Partially passed 1/10; Failed 1/10.

| | | |
|--|---|------------|
| Method | <code>createVirtualRoom(String)</code> | 2.0 / 2.0 |
| Method | <code>addParticipant(String, int)</code> | 2.0 / 2.0 |
| Method | <code>listParticipants(int)</code> | 3.0 / 3.0 |
| Method | <code>openBreakoutRoom(int)</code> | 2.0 / 2.0 |
| Method | <code>closeBreakoutRoom(int)</code> | 2.0 / 2.0 |
| Method | <code>listAllBreakoutRooms()</code> | 2.0 / 2.0 |
| Method | <code>findParticipantBreakoutRoom(String)</code> | 2.0 / 2.0 |
| Method | <code>listParticipantsInAllBreakoutRooms()</code> | 2.0 / 2.0 |
| Method | <code>allocateParticipants(String)</code> | 0.0 / 10.0 |
| <p>Does not work as anticipated: produced java.lang.NullPointerException: Cannot invoke "String.length()" because "participantID" is null. We expect your method to run without problems, but instead yours contains bad code that creates problems.</p> <p>Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible ✓</p> <p>Check <code>loadParticipantData(String)</code> method exists and is accessible ✓</p> <p>Check <code>createVirtualRoom(String)</code> method exists and is accessible ✓</p> <p>Check <code>public void allocateParticipants(String)</code> method exists and defined properly ✓</p> <p>Check <code>VirtualMeetingSystem()</code> constructor creates instances ✓</p> <p>Check <code>loadParticipantData(String)</code> method runs with args (<code>"src/al/test/resources/participant.dat"</code>) ✓</p> <p>Check <code>createVirtualRoom(String)</code> method runs with args (<code>"VirtualRoom"</code>) ✓</p> <p>Check <code>allocateParticipants(String)</code> method runs with args (<code>"RR"</code>) ✗</p> | | |
| Method | <code>loadParticipantData(String)</code> | 1.0 / 5.0 |

Does not alter the participantIDs 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/al/test/resources/participant.dat") | ✓ |
| Check first attribute with type String[] equals an array with size 50 | ✓ |
| Check participantIDs attribute equals an array with size 50 +1.0 | ✓ |
| Check first attribute with type String[] equals not an array containing null +1.0 | ✓ |
| Check participantIDs attribute equals not an array containing null | ✗ |

VirtualRoom Class

Passed 12/14; Failed 2/14.

| | | |
|-------------|--------------------------|-----------|
| 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 | <code>getNumberOfBreakoutRooms()</code> | 1.0 / 1.0 |
| Method | <code>listParticipantsInBreakoutRoom(int)</code> | 2.0 / 2.0 |
| Method | <code>addParticipantToBreakoutRoom(String, int)</code> | 2.0 / 2.0 |
| Method | <code>listBreakoutRooms()</code> | 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 <code>VirtualRoom(String)</code> constructor exists and is accessible | | ✓ |
| Check <code>createBreakoutRooms()</code> method exists and is accessible | | ✓ |
| Check <code>public String listBreakoutRooms()</code> method exists and defined properly | | ✗ |
| Method | <code>findParticipantBreakoutRoom(String)</code> | 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 <code>VirtualRoom(String)</code> constructor exists and is accessible | | ✓ |
| Check <code>createBreakoutRooms()</code> method exists and is accessible | | ✓ |
| Check <code>listParticipantsInBreakoutRoom(int)</code> method exists and is accessible | | ✓ |
| Check <code>addParticipantToBreakoutRoom(String, int)</code> method exists and is accessible | | ✓ |
| Check <code>public String findParticipantBreakoutRoom(String)</code> method exists and defined properly | | ✗ |

BreakoutRoom Class

Passed 14/16; Partially passed 2/16.

| | | |
|-----------|-------------------------------|-----------|
| Attribute | <code>breakoutRoomID</code> | 1.0 / 1.0 |
| Attribute | <code>breakoutRoomSize</code> | 1.0 / 1.0 |
| Attribute | <code>participants</code> | 1.0 / 1.0 |

| | | |
|---|--|-----------|
| Attribute | <code>numberOfParticipants</code> | 1.0 / 1.0 |
| Attribute | <code>open</code> | 1.0 / 1.0 |
| Attribute | <code>breakoutRoomNumberCounter</code> | 1.0 / 1.0 |
| Method | <code>findParticipant(String)</code> | 2.0 / 2.0 |
| Method | <code>toString()</code> | 2.0 / 2.0 |
| Method | <code>getBreakoutRoomID()</code> | 1.0 / 1.0 |
| Method | <code>getOpen()</code> | 1.0 / 1.0 |
| Method | <code>addParticipant(String)</code> | 2.0 / 2.0 |
| Method | <code>openBreakoutRoom()</code> | 1.0 / 1.0 |
| Method | <code>closeBreakoutRoom()</code> | 1.0 / 1.0 |
| Method | <code>getNumberOfParticipants()</code> | 1.0 / 1.0 |
| Constructor | <code>BreakoutRoom(String)</code> | 3.5 / 3.0 |
| Method | <code>listParticipants()</code> | 1.0 / 2.0 |
| <p>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.</p> | | |
| Check <code>BreakoutRoom(String)</code> constructor exists and is accessible | | ✓ |
| Check <code>addParticipant(String)</code> method exists and is accessible | | ✓ |
| Check <code>openBreakoutRoom()</code> method exists and is accessible | | ✓ |
| Check <code>breakoutRoomID</code> attribute exists | | ✓ |
| Check <code>public String listParticipants()</code> method exists and defined properly | | ✓ |
| Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1") | | ✓ |
| Check <code>openBreakoutRoom()</code> method runs | | ✓ |
| Check <code>addParticipant(String)</code> 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 | <code>participantID</code> | 1.0 / 1.0 |
| Constructor | <code>Participant(String)</code> | 2.0 / 2.0 |
| Method | <code>toString()</code> | 2.0 / 2.0 |
| Method | <code>verifyID(String)</code> | 2.0 / 2.0 |
| Method | <code>getParticipantID()</code> | 1.0 / 1.0 |