



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

Kyle Fonrose (816002546)

11.40%

**F3**

| Criteria                   | Mark       |
|----------------------------|------------|
| VirtualMeetingSystem       | 18.0       |
| VirtualRoom                | 24.0       |
| BreakoutRoom               | 21.0       |
| Participant                | 8.0        |
| Deductions                 | -61.2      |
| <b>Total (out of 86.0)</b> | <b>9.8</b> |

## Grade Changes

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

| Deductions   |       |
|--|-------|
| Formatting Error: Incorrect archive format (please use .zip)   | -1    |
| Plagiarism Detected: "Repeated Infraction of Academic Dishonesty" from cluster with 3 other persons (-70%) | -60.2 |

## 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 |
| 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. |   |            |
| Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible  |   | ✓          |
| Check <code>loadParticipantData(String)</code> method exists and is accessible  |   | ✓          |

|  |   |
|--|---|
| Check <code>createVirtualRoom(String)</code> method exists and is accessible   | ✓ |
| Check <code>public void allocateParticipants(String)</code> method exists and defined properly                                   | ✓ |
| Check <code>VirtualMeetingSystem()</code> constructor creates instances  | ✓ |
| Check <code>loadParticipantData(String)</code> method runs with args<br>( <code>"src/al/test/resources/participant.dat"</code> ) | ✓ |
| Check <code>createVirtualRoom(String)</code> method runs with args ( <code>"VirtualRoom"</code> )                                | ✓ |
| Check <code>allocateParticipants(String)</code> method runs with args ( <code>"RR"</code> )                                      | ✗ |

|        |  |           |
|--------|--|-----------|
| Method | <code>loadParticipantData(String)</code> | 1.0 / 5.0 |
|--------|--|-----------|

Does not alter the `fileData` 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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible   | ✓ |
| Check <code>public void loadParticipantData(String)</code> method exists and defined properly                                    | ✓ |
| Check <code>VirtualMeetingSystem()</code> constructor creates instances  | ✓ |
| Check <code>loadParticipantData(String)</code> method runs with args<br>( <code>"src/al/test/resources/participant.dat"</code> ) | ✓ |
| Check first attribute with type <code>String[]</code> equals an array with size 50   | ✓ |
| Check <code>fileData</code> attribute equals an array with size 50 +1.0  | ✓ |
| Check first attribute with type <code>String[]</code> equals not an array containing null +1.0                                   | ✓ |
| Check <code>fileData</code> attribute equals not an array containing null  | ✗ |

## VirtualRoom Class

Passed 14/14.

|           |                            |           |
|-----------|----------------------------|-----------|
| Attribute | <code>breakoutRooms</code> | 1.0 / 1.0 |
|-----------|----------------------------|-----------|

|           |                                |           |
|-----------|--------------------------------|-----------|
| Attribute | <code>breakoutRoomLimit</code> | 1.0 / 1.0 |
|-----------|--------------------------------|-----------|

|           |                   |           |
|-----------|-------------------|-----------|
| Attribute | <code>name</code> | 1.0 / 1.0 |
|-----------|-------------------|-----------|

|             |  |           |
|-------------|--|-----------|
| Constructor | <code>VirtualRoom(String, int)</code>                  | 2.0 / 2.0 |
| Constructor | <code>VirtualRoom(String)</code>                       | 2.0 / 2.0 |
| Method      | <code>listBreakoutRooms()</code>                       | 2.0 / 2.0 |
| Method      | <code>findBreakoutRoom(int)</code>                     | 2.0 / 2.0 |
| Method      | <code>createBreakoutRooms()</code>                     | 2.0 / 2.0 |
| Method      | <code>openBreakoutRoom(int)</code>                     | 2.0 / 2.0 |
| Method      | <code>closeBreakoutRoom(int)</code>                    | 2.0 / 2.0 |
| Method      | <code>findParticipantBreakoutRoom(String)</code>       | 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 |

## BreakoutRoom Class

Passed 15/16; Partially passed 1/16.

|             |  |           |
|-------------|--|-----------|
| 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 |
| Constructor | <code>BreakoutRoom(String)</code>      | 3.0 / 3.0 |

|   |  |           |
|---|--|-----------|
| 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 |
| 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 ( <code>"Room1"</code> )  |  | ✓         |
| Check <code>openBreakoutRoom()</code> method runs   |  | ✓         |
| Check <code>addParticipant(String)</code> method runs with args ( <code>"10000000"</code> )   |  | ✓         |
| Check <code>listParticipants()</code> method returns string containing attribute <code>breakoutRoomID + 1.0</code>  |  | ✓         |
| Check <code>listParticipants()</code> method returns string containing attribute <code>participants</code> in format<br><code>"participant_1.toString() \n participant_2.toString() \n ... participant_n.toString()"</code> |  | ✗         |

## 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 |