



**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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77.91%

**A-**

| Criteria                   | Mark        |
|----------------------------|-------------|
| VirtualMeetingSystem       | 19.0        |
| VirtualRoom                | 13.0        |
| BreakoutRoom               | 22.0        |
| Participant                | 8.0         |
| Bonuses                    | +5.0        |
| <b>Total (out of 86.0)</b> | <b>67.0</b> |

## Grade Changes

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

| Bonuses                                      |      |
|--|------|
| Question Bonus: allocateParticipants(String) | +5.0 |

## VirtualMeetingSystem Class

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

|   |   |             |
|---|---|-------------|
| Method  | <code>createVirtualRoom(String)</code>    | 2.0 / 2.0   |
| Method  | <code>allocateParticipants(String)</code> | 10.0 / 10.0 |
| 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>addParticipant(String, int)</code>  | 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 <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>openBreakoutRoom(int)</code> method exists and is accessible  |   | ✓           |
| Check <code>public boolean addParticipant(String, int)</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>openBreakoutRoom(int)</code> method runs with args (1)                           | ✓ |
| Check <code>addParticipant(String, int)</code> method returns true with args ("12345678", 1) | ✗ |

| Method   | <code>listParticipants(int)</code> | 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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible   |                                    | ✓         |
| Check <code>createVirtualRoom(String)</code> method exists and is accessible   |                                    | ✓         |
| Check <code>openBreakoutRoom(int)</code> method exists and is accessible   |                                    | ✓         |
| Check <code>addParticipant(String, int)</code> method exists and is accessible   |                                    | ✓         |
| Check <code>public String listParticipants(int)</code> method exists and defined properly                              |                                    | ✓         |
| Check <code>VirtualMeetingSystem()</code> constructor creates instances  |                                    | ✓         |
| Check <code>createVirtualRoom(String)</code> method runs with args ("VirtualRoom")                                     |                                    | ✓         |
| Check <code>openBreakoutRoom(int)</code> method runs with args (1)   |                                    | ✓         |
| Check <code>addParticipant(String, int)</code> method runs with args ("12345678", 1)                                   |                                    | ✓         |
| Check <code>listParticipants(int)</code> method returns a string containing "VirtualRoom" with args (1)                |                                    | ✗         |

| Method  | <code>findParticipantBreakoutRoom(String)</code> | 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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible  |  | ✓         |
| Check <code>createVirtualRoom(String)</code> method exists and is accessible  |  | ✓         |
| Check <code>openBreakoutRoom(int)</code> method exists and is accessible  |  | ✓         |
| Check <code>addParticipant(String, int)</code> method exists and is accessible  |  | ✓         |
| Check <code>public String findParticipantBreakoutRoom(String)</code> method exists and defined properly   |  | ✓         |
| Check <code>VirtualMeetingSystem()</code> constructor creates instances   |  | ✓         |

|   |   |
|---|---|
| Check <code>createVirtualRoom(String)</code> method runs with args ( "VirtualRoom" )                    | ✓ |
| Check <code>openBreakoutRoom(int)</code> method runs with args ( 1 )                                    | ✓ |
| Check <code>addParticipant(String, int)</code> method runs with args ( "12345678", 1 )                  | ✓ |
| Check <code>findParticipantBreakoutRoom(String)</code> method returns not null with args ( "12345678" ) | ✗ |

| Method   | <code>listParticipantsInAllBreakoutRooms()</code> | 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 <code>VirtualMeetingSystem()</code> constructor exists and is accessible   |   | ✓         |
| Check <code>createVirtualRoom(String)</code> method exists and is accessible   |   | ✓         |
| Check <code>openBreakoutRoom(int)</code> method exists and is accessible   |   | ✓         |
| Check <code>addParticipant(String, int)</code> method exists and is accessible   |   | ✓         |
| Check <code>public String listParticipantsInAllBreakoutRooms()</code> method exists and defined properly               |   | ✓         |
| Check <code>VirtualMeetingSystem()</code> constructor creates instances  |   | ✓         |
| Check <code>createVirtualRoom(String)</code> method runs with args ( "VirtualRoom" )                                   |   | ✓         |
| Check <code>openBreakoutRoom(int)</code> method runs with args ( 1 )   |   | ✓         |
| Check <code>addParticipant(String, int)</code> method runs with args ( "12345678", 1 )                                 |   | ✓         |
| Check <code>listParticipantsInAllBreakoutRooms()</code> method returns a string containing "12345678"                  |   | ✗         |

| Method  | <code>loadParticipantData(String)</code> | 1.0 / 5.0 |
|---|--|-----------|
| Does not alter the array 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  |  | ✓         |

```
("src/al/test/resources/participant.dat")
```

|  |   |
|--|---|
| Check first attribute with type <code>String[]</code> equals an array with size 50             | ✓ |
| Check array 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 array attribute equals not an array containing null                                      | ✗ |

## VirtualRoom Class

Passed 8/14; Failed 6/14.

|   |                                       |           |
|---|---------------------------------------|-----------|
| 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>createBreakoutRooms()</code>    | 2.0 / 2.0 |
| Method  | <code>openBreakoutRoom(int)</code>    | 2.0 / 2.0 |
| Method  | <code>findBreakoutRoom(int)</code>    | 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 <code>VirtualRoom(String)</code> constructor exists and is accessible   |                                       | ✓         |
| Check <code>createBreakoutRooms()</code> method exists and is accessible  |                                       | ✓         |
| Check <code>public BreakoutRoom findBreakoutRoom(int)</code> method exists and defined properly   |                                       | ✓         |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ( <code>"VirtualRoom"</code> )   |                                       | ✓         |

|  |   |
|--|---|
| Check <code>createBreakoutRooms()</code> method runs                           | ✓ |
| Check <code>findBreakoutRoom(int)</code> method returns not null with args (1) | ✗ |

| Method  | <code>closeBreakoutRoom(int)</code> | 0.0 / 2.0 |
|---|-------------------------------------|-----------|
| Cannot be further tested because testing relies on another method that Does not alter the <code>breakoutRooms</code> 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>VirtualRoom(String)</code> constructor exists and is accessible   | ✓                                   |           |
| Check <code>createBreakoutRooms()</code> method exists and is accessible  | ✓                                   |           |
| Check <code>breakoutRooms</code> attribute exists   | ✓                                   |           |
| Check <code>public boolean closeBreakoutRoom(int)</code> method exists and defined properly   | ✓                                   |           |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ("VirtualRoom")  | ✓                                   |           |
| Check <code>createBreakoutRooms()</code> method runs  | ✓                                   |           |
| Check <code>closeBreakoutRoom(int)</code> method runs with args (1)   | ✓                                   |           |
| Check <code>breakoutRooms</code> attribute equals an array containing <code>hasProperty("open", false)</code>   | ✗                                   |           |

| Method  | <code>findParticipantBreakoutRoom(String)</code> | 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 <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   | ✓  |           |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ("VirtualRoom")  | ✓  |           |
| Check <code>createBreakoutRooms()</code> method runs  | ✓  |           |
| Check <code>openBreakoutRoom(int)</code> method runs with args (1)  | ✓  |           |

|   |   |
|---|---|
| Check <code>addParticipantToBreakoutRoom(String, int)</code> method runs with args ( "12345678", 1 )    | ✓ |
| Check <code>findParticipantBreakoutRoom(String)</code> method returns not null with args ( "12345678" ) | ✗ |

| Method   | <code>getNumberOfBreakoutRooms()</code> | 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 <code>VirtualRoom(String)</code> constructor exists and is accessible  |   | ✓         |
| Check <code>breakoutRoomLimit</code> attribute exists  |   | ✓         |
| Check <code>public int getNumberOfBreakoutRooms()</code> method exists and defined properly  |   | ✓         |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ( "VirtualRoom" )   |   | ✓         |
| Check <code>getNumberOfBreakoutRooms()</code> method returns value equal to attribute <code>breakoutRoomLimit</code>                           |   | ✗         |

| Method  | <code>listParticipantsInBreakoutRoom(int)</code> | 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 <code>VirtualRoom(String)</code> constructor exists and is accessible   |  | ✓         |
| Check <code>createBreakoutRooms()</code> method exists and is accessible  |  | ✓         |
| Check <code>addParticipantToBreakoutRoom(String, int)</code> method exists and is accessible  |  | ✓         |
| Check <code>public String listParticipantsInBreakoutRoom(int)</code> method exists and defined properly   |  | ✓         |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ( "VirtualRoom" )  |  | ✓         |
| Check <code>createBreakoutRooms()</code> method runs  |  | ✓         |
| Check <code>listParticipantsInBreakoutRoom(int)</code> method returns not null with args (1)  |  | ✗         |

| Method  | <code>addParticipantToBreakoutRoom(String, int)</code> | 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 <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>public boolean addParticipantToBreakoutRoom(String, int)</code> method exists and defined properly                         | ✓ |
| Check <code>VirtualRoom(String)</code> constructor creates instances with args ( <code>"VirtualRoom"</code> )                          | ✓ |
| Check <code>createBreakoutRooms()</code> method runs   | ✓ |
| Check <code>openBreakoutRoom(int)</code> method runs with args ( <code>1</code> )  | ✓ |
| Check <code>addParticipantToBreakoutRoom(String, int)</code> method returns <code>true</code> with args ( <code>"12345678", 1</code> ) | ✗ |

## BreakoutRoom Class

Passed 16/16.

|             |  |           |
|-------------|--|-----------|
| 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>listParticipants()</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 |

## 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 |