



**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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47.67%

**F1**

| Criteria                   | Mark        |
|----------------------------|-------------|
| VirtualMeetingSystem       | 0.0         |
| VirtualRoom                | 16.5        |
| BreakoutRoom               | 14.0        |
| Participant                | 5.5         |
| Bonuses                    | +5.0        |
| <b>Total (out of 86.0)</b> | <b>41.0</b> |

## Grade Changes

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

| Bonuses                       |      |
|-------------------------------|------|
| Merit Bonus: Early submission | +5.0 |

### VirtualMeetingSystem Class

Failed 10/10.

|  |  |           |
|--|--|-----------|
| Method   | <code>loadParticipantData(String)</code> | 0.0 / 5.0 |
| Is not testable because testing relies on a constructor that 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>VirtualMeetingSystem()</code> constructor exists and is accessible   |  | ✗         |

|  |  |           |
|--|--|-----------|
| Method   | <code>createVirtualRoom(String)</code> | 0.0 / 2.0 |
| Is not testable because testing relies on a constructor that 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>VirtualMeetingSystem()</code> constructor exists and is accessible   |  | ✗         |

|  |   |            |
|--|---|------------|
| Method   | <code>allocateParticipants(String)</code> | 0.0 / 10.0 |
| Is not testable because testing relies on a constructor that 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>VirtualMeetingSystem()</code> constructor exists and is accessible   |   | ✗          |

|  |  |           |
|--|--|-----------|
| Method   | <code>addParticipant(String, int)</code> | 0.0 / 2.0 |
| Is not testable because testing relies on a constructor that 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>VirtualMeetingSystem()</code> constructor exists and is accessible   |  | ✗         |

|        |                                    |           |
|--------|------------------------------------|-----------|
| Method | <code>listParticipants(int)</code> | 0.0 / 3.0 |
|--------|------------------------------------|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

|        |                                    |           |
|--------|------------------------------------|-----------|
| Method | <code>openBreakoutRoom(int)</code> | 0.0 / 2.0 |
|--------|------------------------------------|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

|        |                                     |           |
|--------|-------------------------------------|-----------|
| Method | <code>closeBreakoutRoom(int)</code> | 0.0 / 2.0 |
|--------|-------------------------------------|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

|        |                                     |           |
|--------|-------------------------------------|-----------|
| Method | <code>listAllBreakoutRooms()</code> | 0.0 / 2.0 |
|--------|-------------------------------------|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

|        |  |           |
|--------|--|-----------|
| Method | <code>findParticipantBreakoutRoom(String)</code> | 0.0 / 2.0 |
|--------|--|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

|        |   |           |
|--------|---|-----------|
| Method | <code>listParticipantsInAllBreakoutRooms()</code> | 0.0 / 2.0 |
|--------|---|-----------|

Is not testable because testing relies on a constructor that 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 `VirtualMeetingSystem()` constructor exists and is accessible

✗

## VirtualRoom Class

Passed 9/14; Partially passed 1/14; Failed 4/14.

|   |  |           |
|---|--|-----------|
| Attribute   | <code>breakoutRooms</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>findBreakoutRoom(int)</code>                     | 2.0 / 2.0 |
| Method  | <code>createBreakoutRooms()</code>                     | 2.0 / 2.0 |
| Method  | <code>findParticipantBreakoutRoom(String)</code>       | 2.0 / 2.0 |
| Method  | <code>getNumberOfBreakoutRooms()</code>                | 1.0 / 1.0 |
| Method  | <code>addParticipantToBreakoutRoom(String, int)</code> | 2.0 / 2.0 |
| Attribute   | <code>breakoutRoomLimit</code>                         | 0.0 / 1.0 |
| <p>Does not have final modifier. We expect your attribute or method to have the final keyword indicating that it is a constant attribute or an un-overridable method, but yours doesn't.</p> <p>Check <code>private final int breakoutRoomLimit</code> attribute exists and defined properly</p>  |  |           |
| Method  | <code>openBreakoutRoom(int)</code>                     | 0.0 / 2.0 |
| <p>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.</p> <p>Check <code>VirtualRoom(String)</code> constructor exists and is accessible</p> <p>Check <code>createBreakoutRooms()</code> method exists and is accessible</p> <p>Check <code>closeBreakoutRoom(int)</code> method exists and is accessible</p> |  |           |

|  |   |
|--|---|
| Check breakoutRooms attribute exists   | ✓ |
| Check public boolean openBreakoutRoom(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 openBreakoutRoom(int) method runs with args (1)                              | ✓ |
| Check breakoutRooms attribute equals an array containing hasProperty("open", true) | ✗ |

|        |                        |           |
|--------|------------------------|-----------|
| 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 | listParticipantsInBreakoutRoom(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 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 | <code>listBreakoutRooms()</code> | 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 8/16; Partially passed 2/16; Failed 6/16.

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

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

|           |                   |           |
|-----------|-------------------|-----------|
| Attribute | <code>open</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>addParticipant(String)</code>    | 2.0 / 2.0 |
| Method  | <code>openBreakoutRoom()</code>        | 1.0 / 1.0 |
| Method  | <code>closeBreakoutRoom()</code>       | 1.0 / 1.0 |
| Attribute   | <code>breakoutRoomSize</code>          | 0.0 / 1.0 |
| Does not have final modifier. We expect your attribute or method to have the final keyword indicating that it is a constant attribute or an un-overridable method, but yours doesn't. |  |           |
| Check <code>private final int breakoutRoomSize</code> attribute exists and defined properly   |  | ✗         |
| Attribute   | <code>numberOfParticipants</code>      | 0.0 / 1.0 |
| Does not have private access. We expect your attribute, method or constructor to have the private keyword indicating that it has private access, but yours doesn't.                   |  |           |
| Check <code>private int numberOfParticipants</code> attribute exists and defined properly   |  | ✗         |
| Attribute   | <code>breakoutRoomNumberCounter</code> | 0.0 / 1.0 |
| Does not have private access. We expect your attribute, method or constructor to have the private keyword indicating that it has private access, but yours doesn't.                   |  |           |
| Check <code>private static int breakoutRoomNumberCounter</code> attribute exists and defined properly   |  | ✗         |
| Method  | <code>getBreakoutRoomID()</code>       | 0.0 / 1.0 |
| 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>BreakoutRoom(String)</code> constructor exists and is accessible  |  | ✓         |
| Check <code>breakoutRoomID</code> attribute exists  |  | ✓         |
| Check <code>public String getBreakoutRoomID()</code> method exists and defined properly   |  | ✗         |
| Method  | <code>getOpen()</code>                 | 0.0 / 1.0 |
| 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>BreakoutRoom(String)</code> constructor exists and is accessible   | ✓ |
| Check <code>open</code> attribute exists                                       | ✓ |
| Check <code>public boolean getOpen()</code> method exists and defined properly | ✗ |

|        |  |           |
|--------|--|-----------|
| Method | <code>getNumberOfParticipants()</code> | 0.0 / 1.0 |
|--------|--|-----------|

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>BreakoutRoom(String)</code> constructor exists and is accessible               | ✓ |
| Check <code>numberOfParticipants</code> attribute exists                                   | ✓ |
| Check <code>public int getNumberOfParticipants()</code> method exists and defined properly | ✗ |

|        |                         |           |
|--------|-------------------------|-----------|
| Method | <code>toString()</code> | 1.0 / 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 <code>BreakoutRoom(String)</code> constructor exists and is accessible  | ✓ |
| Check <code>breakoutRoomID</code> attribute exists  | ✓ |
| Check <code>numberOfParticipants</code> attribute exists  | ✓ |
| Check <code>public String toString()</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>toString()</code> method returns string containing attribute <code>breakoutRoomID</code> +0.5                                       | ✓ |
| Check <code>toString()</code> method returns string containing attribute <code>numberOfParticipants</code> +0.5                                 | ✓ |
| Check <code>toString()</code> method returns string containing attribute <code>breakoutRoomID</code> in format <code>breakoutRoomID OPEN</code> | ✗ |

|        |                                 |           |
|--------|---------------------------------|-----------|
| Method | <code>listParticipants()</code> | 1.0 / 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 <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 <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>"participant_1.toString() \n participant_2.toString() \n ... participant_<br>n.toString() " | ✗ |

## Participant Class

Passed 3/5; Partially passed 1/5; Failed 1/5.

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

|             |                                  |           |
|-------------|----------------------------------|-----------|
| Constructor | <code>Participant(String)</code> | 2.0 / 2.0 |
|-------------|----------------------------------|-----------|

|        |                                 |           |
|--------|---------------------------------|-----------|
| Method | <code>getParticipantID()</code> | 1.0 / 1.0 |
|--------|---------------------------------|-----------|

|        |                               |           |
|--------|-------------------------------|-----------|
| Method | <code>verifyID(String)</code> | 0.0 / 2.0 |
|--------|-------------------------------|-----------|

Is not a class method. We expect your method to be defined with the `static` keyword indicating that it is an class method, but yours isn't.

|  |   |
|--|---|
| Check <code>public static boolean verifyID(String)</code> method exists and defined properly | ✗ |
|--|---|

|        |                         |           |
|--------|-------------------------|-----------|
| Method | <code>toString()</code> | 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 <code>Participant(String)</code> constructor exists and is accessible | ✓ |
|---|---|

|  |   |
|--|---|
| Check <code>participantID</code> attribute exists  | ✓ |
| Check <code>public String toString()</code> method exists and defined properly   | ✓ |
| Check <code>Participant(String)</code> constructor creates instances with args ( "12345678" )  | ✓ |
| Check <code>toString()</code> method returns string containing attribute <code>participantID + 1.5</code>  | ✓ |
| Check <code>toString()</code> method returns string containing attribute <code>participantID</code> in format<br><code>Participant: participantID</code> | ✗ |