



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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22.09%

F3

| Criteria | Mark |
|----------------------------|-------------|
| VirtualMeetingSystem | 6.0 |
| VirtualRoom | 3.0 |
| BreakoutRoom | 5.5 |
| Participant | 4.5 |
| Total (out of 86.0) | 19.0 |

VirtualMeetingSystem Class

Passed 3/10; Failed 7/10.

| | | |
|--------|------------------------------------|-----------|
| 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>loadParticipantData(String)</code> | 0.0 / 5.0 |
|--------|--|-----------|

Does not accept required arguments. We expect your method to be defined with the particular argument types in a particular order, but yours isn't.

| | |
|--|---|
| Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible | ✓ |
|--|---|

| | |
|---|---|
| Check <code>public void loadParticipantData(String)</code> method exists and defined properly | ✗ |
|---|---|

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

Does not have anticipated type. We expect your attribute to be defined with a particular type, but yours isn't.

| | |
|--|---|
| Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible | ✓ |
|--|---|

| | |
|---|---|
| Check <code>public void createVirtualRoom(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 first attribute with type <code>VirtualRoom</code> equals <code>not null</code> | ✗ |
|---|---|

| | | |
|--------|---|------------|
| Method | <code>allocateParticipants(String)</code> | 0.0 / 10.0 |
|--------|---|------------|

Is not testable because testing relies on the `loadParticipantData` method that does not accept required arguments. We expect your method to be defined with the particular argument types in a particular order, but yours isn't.

| | |
|--|---|
| Check <code>VirtualMeetingSystem()</code> constructor exists and is accessible | ✓ |
|--|---|

| | |
|--|---|
| Check <code>loadParticipantData(String)</code> method exists and is accessible | ✗ |
|--|---|

| | | |
|--------|--|-----------|
| Method | <code>addParticipant(String, int)</code> | 0.0 / 2.0 |
|--------|--|-----------|

Is not testable because testing relies on the loadParticipantData method that does not accept required arguments. We expect your method to be defined with the particular argument types in a particular order, but yours isn't.

Check VirtualMeetingSystem() constructor exists and is accessible ✓

Check loadParticipantData(String) method exists and is accessible ✗

| Method | listParticipants(int) | 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 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) ✓

Check addParticipant(String, int) method runs with args ("12345678", 1) ✓

Check listParticipants(int) method returns a string containing "VirtualRoom" with args (1) ✗

| Method | listAllBreakoutRooms() | 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 VirtualMeetingSystem() constructor exists and is accessible ✓

Check createVirtualRoom(String) method exists and is accessible ✓

Check public String listAllBreakoutRooms() method exists and defined properly ✗

| Method | listParticipantsInAllBreakoutRooms() | 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 `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 ✗

VirtualRoom Class

Passed 2/14; Partially passed 2/14; Failed 10/14.

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

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

| | | |
|-----------|--------------------------------|-----------|
| Attribute | <code>breakoutRoomLimit</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 `private final int breakoutRoomLimit` attribute exists and defined properly ✗

| | | |
|-------------|---------------------------------------|-----------|
| Constructor | <code>VirtualRoom(String, int)</code> | 0.5 / 2.0 |
|-------------|---------------------------------------|-----------|

Does not initialize the name attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check `public VirtualRoom(String, int)` constructor exists and defined properly ✓

Check `VirtualRoom(String, int)` constructor creates instances with args ("VirtualRoom", 10) +0.5 ✓

Check `name` attribute equals "VirtualRoom" ✗

| | | |
|-------------|----------------------------------|-----------|
| Constructor | <code>VirtualRoom(String)</code> | 0.5 / 2.0 |
|-------------|----------------------------------|-----------|

Does not initialize the name attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check `public VirtualRoom(String)` constructor exists and defined properly ✓

Check `VirtualRoom(String)` constructor creates instances with args ("VirtualRoom") +0.5 ✓

Check name attribute equals "VirtualRoom" ✗

Method `listBreakoutRooms()` 0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `createBreakoutRooms()` method exists and is accessible ✗

Method `findBreakoutRoom(int)` 0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `createBreakoutRooms()` method exists and is accessible ✗

Method `createBreakoutRooms()` 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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `breakoutRooms` attribute exists ✓

Check `public void createBreakoutRooms()` method exists and defined properly ✗

Method `openBreakoutRoom(int)` 0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible ✓

Check `createBreakoutRooms()` method exists and is accessible

✗

Method

`closeBreakoutRoom(int)`

0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `createBreakoutRooms()` method exists and is accessible

✗

Method

`findParticipantBreakoutRoom(String)`

0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `createBreakoutRooms()` method exists and is accessible

✗

Method

`getNumberOfBreakoutRooms()`

0.0 / 1.0

Is not testable because testing relies on the `breakoutRoomLimit` attribute 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `breakoutRoomLimit` attribute exists

✗

Method

`listParticipantsInBreakoutRoom(int)`

0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `createBreakoutRooms()` method exists and is accessible

✗

Method

`addParticipantToBreakoutRoom(String, int)`

0.0 / 2.0

Is not testable because testing relies on the `createBreakoutRooms` method 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 `VirtualRoom(String)` constructor exists and is accessible

✓

Check `createBreakoutRooms()` method exists and is accessible



BreakoutRoom Class

Passed 4/16; Partially passed 2/16; Failed 10/16.

Attribute

`breakoutRoomID`

1.0 / 1.0

Attribute

`numberOfParticipants`

1.0 / 1.0

Attribute

`open`

1.0 / 1.0

Method

`closeBreakoutRoom()`

1.0 / 1.0

Attribute

`breakoutRoomSize`

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 `private final int breakoutRoomSize` attribute exists and defined properly



Attribute

`participants`

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 `private Participant[] participants` attribute exists and defined properly



Attribute

`breakoutRoomNumberCounter`

0.0 / 1.0

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

Check `private static int breakoutRoomNumberCounter` attribute exists and defined properly



Constructor

`BreakoutRoom(String)`

1.0 / 3.0

Does not initialize the `breakoutRoomID` attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

| | |
|--|---|
| Check <code>public BreakoutRoom(String)</code> constructor exists and defined properly | ✓ |
| Check <code>BreakoutRoom(String)</code> constructor creates instances with args ("Room1") +1.0 | ✓ |
| Check <code>breakoutRoomID</code> attribute equals <code>not null</code> | ✗ |

| Method | <code>findParticipant(String)</code> | 0.0 / 2.0 |
|--|--------------------------------------|-----------|
| Cannot be further tested because testing relies on the <code>addParticipant</code> method that does not work as anticipated: produced <code>java.lang.NullPointerException: Cannot store to object array because "this.participant" is null</code> . We expect your method to run without problems, but instead yours contains bad code that creates problems. | | |
| 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>public Participant findParticipant(String)</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") | | ✗ |

| 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 `public boolean getOpen()` method exists and defined properly

✗

Method

`addParticipant(String)`

0.0 / 2.0

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

`openBreakoutRoom()`

0.0 / 1.0

Cannot be further tested because testing relies on another method that Does not alter the open 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>BreakoutRoom(String)</code> constructor exists and is accessible | ✓ |
| Check <code>closeBreakoutRoom()</code> method exists and is accessible | ✓ |
| Check <code>open</code> attribute exists | ✓ |
| Check <code>public void openBreakoutRoom()</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>open</code> attribute equals <code>true</code> | ✗ |

| | | |
|--------|--|-----------|
| 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> | 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 <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 `toString()` method returns string containing attribute `numberOfParticipants`



Participant Class

Passed 2/5; Partially passed 2/5; Failed 1/5.

Attribute

`participantID`

1.0 / 1.0

Method

`getParticipantID()`

1.0 / 1.0

Constructor

`Participant(String)`

1.0 / 2.0

Does not initialize the `participantID` attribute. We expect your constructor to initialize a particular set of instance attributes, but yours doesn't.

Check `public Participant(String)` constructor exists and defined properly



Check `Participant(String)` constructor creates instances with args ("12345678") +1.0



Check `participantID` attribute equals `equalToIgnoringWhiteSpace("12345678")`



Method

`verifyID(String)`

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 `public static boolean verifyID(String)` method exists and defined properly



Method

`toString()`

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 `Participant(String)` constructor exists and is accessible



Check `participantID` attribute exists



Check `public String toString()` method exists and defined properly



Check `Participant(String)` constructor creates instances with args ("12345678")



Check `toString()` method returns string containing attribute `participantID` +1.5



Check `toString()` method returns string containing attribute `participantID` in format

Participant: `participantID`

