

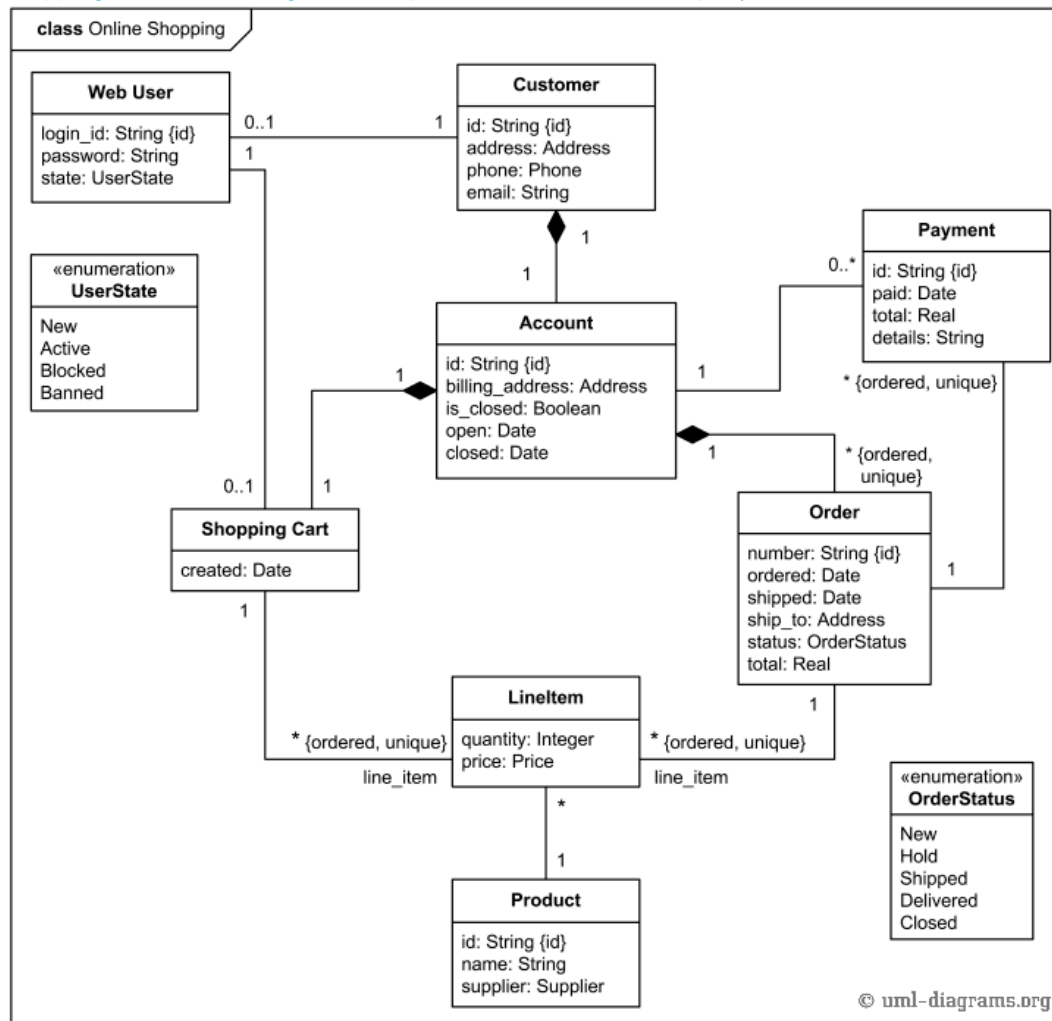
<b>Status</b>	Finished
<b>Started</b>	Sunday, 6 October 2024, 6:45 PM
<b>Completed</b>	Sunday, 6 October 2024, 6:48 PM
<b>Duration</b>	3 mins 18 secs
<b>Grade</b>	<b>10.00</b> out of 10.00 ( <b>100%</b> )

## Question 1

Correct

Mark 1.00 out of 1.00

Which of the following is correct about the class relationship in Fig5.2.2.4 (<https://www.uml-diagrams.org/examples/online-shopping-domain-uml-diagram-example.html?context=cls-examples>)?



Select one:

- ☐ a. A Customer object consists of only one Account object.
- ☐ b. A WebUser object relates to only one (or is a) Customer object, but a Customer object may relate to one or no WebUser object.
- ☒ c. All the other answers are correct. ✓
- ☐ d. An Account may have no or many Payment.

Correct

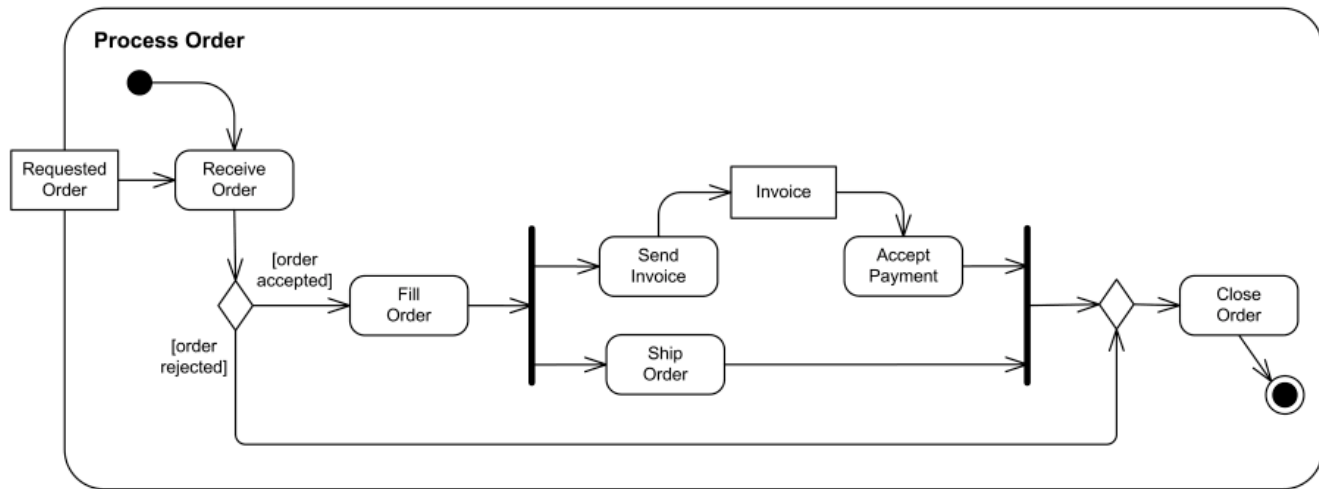
Marks for this submission: 1.00/1.00.

## Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is INCORRECT about the activity diagram in Fig5.2.2.7 (<https://www.uml-diagrams.org/shopping-process-order-uml-activity-diagram-example.html?context=activity-examples>)?



Select one:

- ☐ a. The whole process starts at the activity "Receive Order" and ends after "Close Order".
- ☐ b. There is a decision to accept an order then process the "Fill Order" activity, otherwise, do the "Close Order".
- ☒ c. Right before processing the "Close Order", we can go back to make the decision on accepting or rejecting the order. ✓
- ☐ d. All the other answers are correct.

Correct

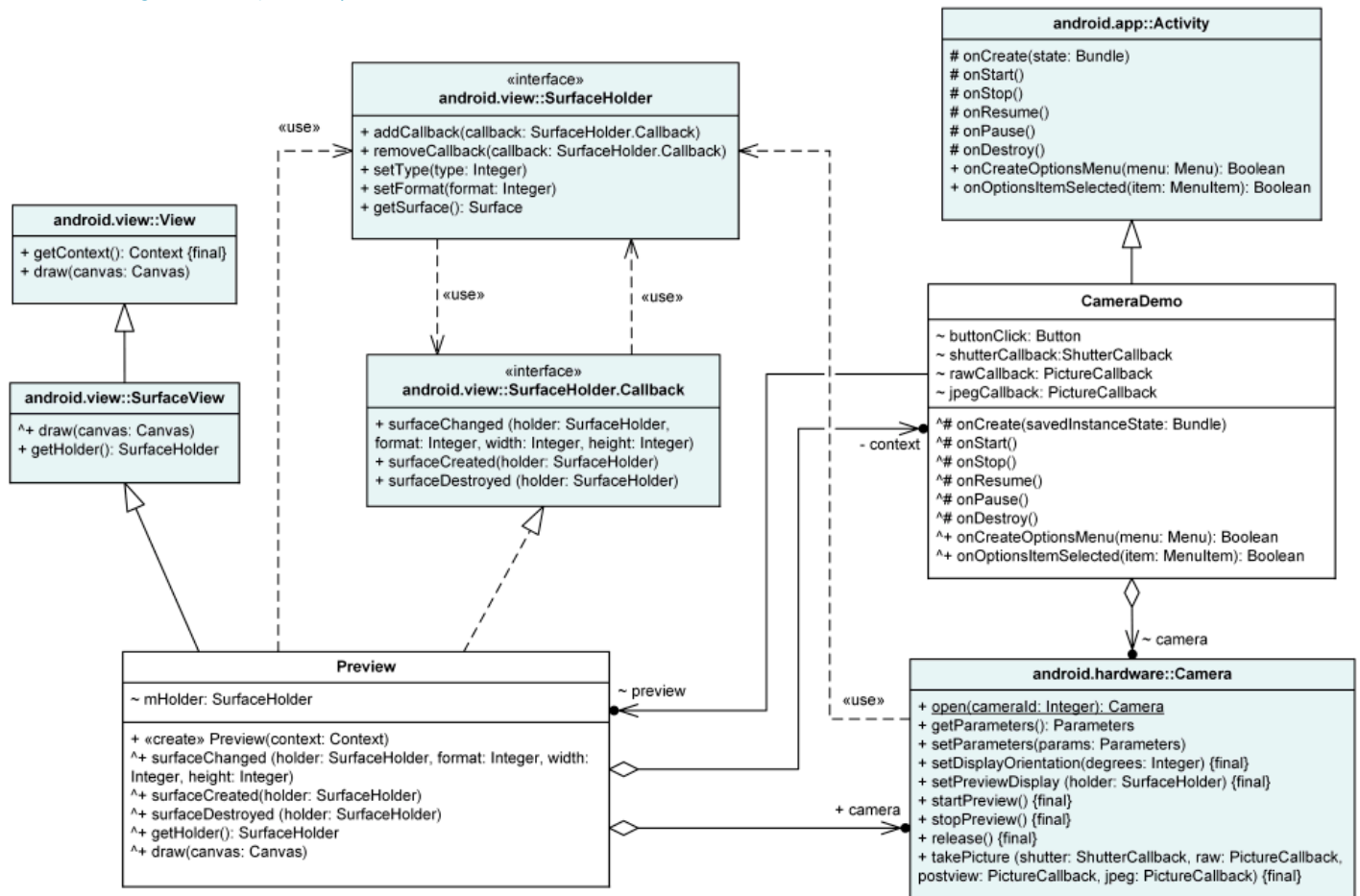
Marks for this submission: 1.00/1.00.

## Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is correct about the class relationship in Fig5.2.2.1 (<https://www.uml-diagrams.org/android-camera-uml-class-diagram-example.html>)?



Select one:

- ☐ a. All the other answers are correct.
- ☐ b. Preview is a sub-class of android.view::SurfaceHolder.Callback and implement the interface android.view::SurfaceView.
- ☐ c. android.view::SurfaceHolder is the super-class of android.view::SurfaceHolder.Callback.
- ☒ d. Preview is a sub-class of android.view::SurfaceView and implement the interface android.view::SurfaceHolder.Callback.



Correct

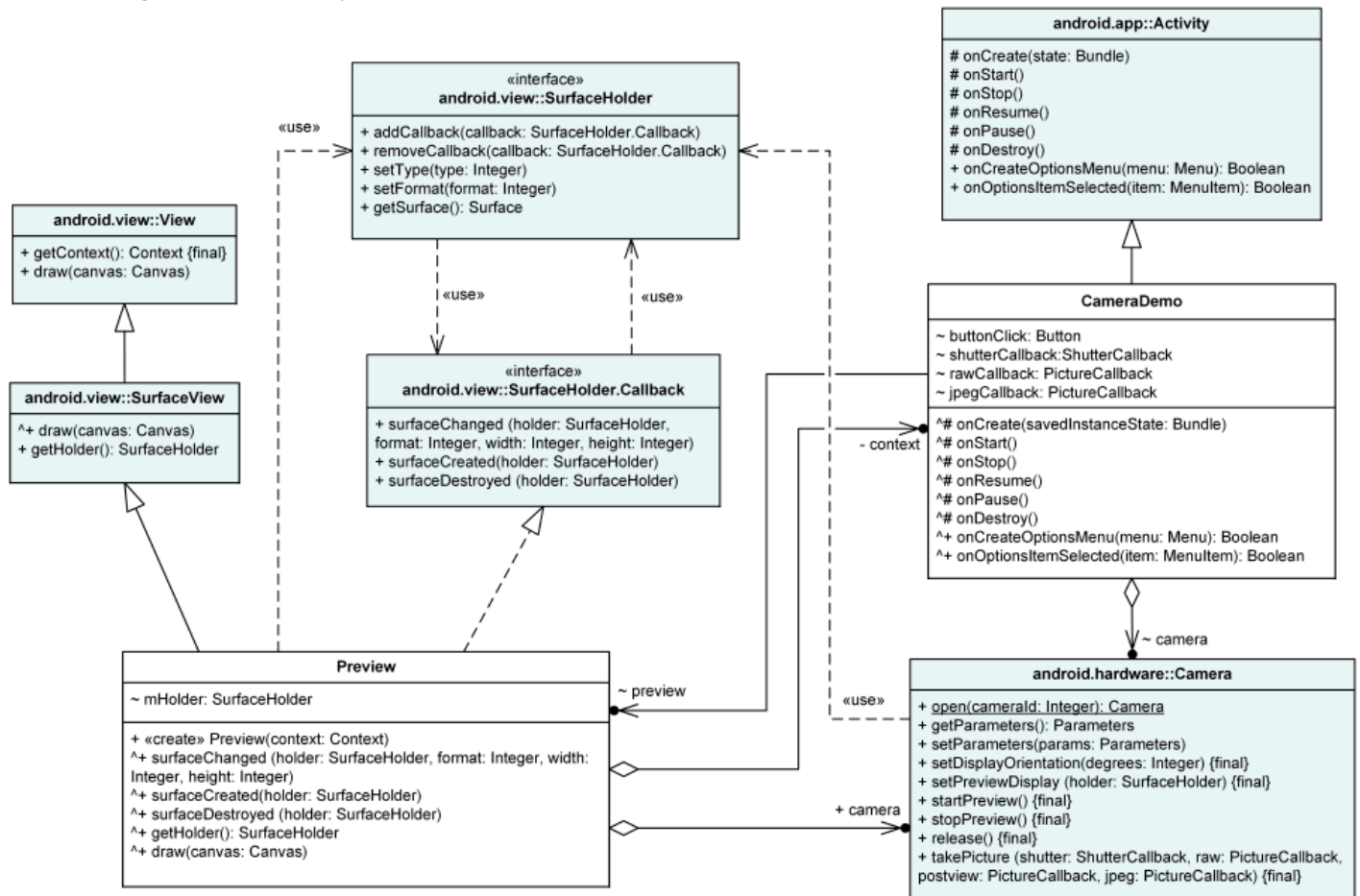
Marks for this submission: 1.00/1.00.

## Question 4

Correct

Mark 1.00 out of 1.00

Which of the following is correct about the class relationship in Fig5.2.2.3 (<https://www.uml-diagrams.org/android-camera-uml-class-diagram-example.html>)?



Select one:

- ☐ a. We have to to implement all methods of android.view::SurfaceHolder.Callback in Preview.
- ☒ b. All the other answers are correct. ✓
- ☐ c. We cannot implement any method of android.view:: SurfaceHolder in Preview.
- ☐ d. We cannot implement any method of android.view::SurfaceView in Preview (except overriding).

Correct

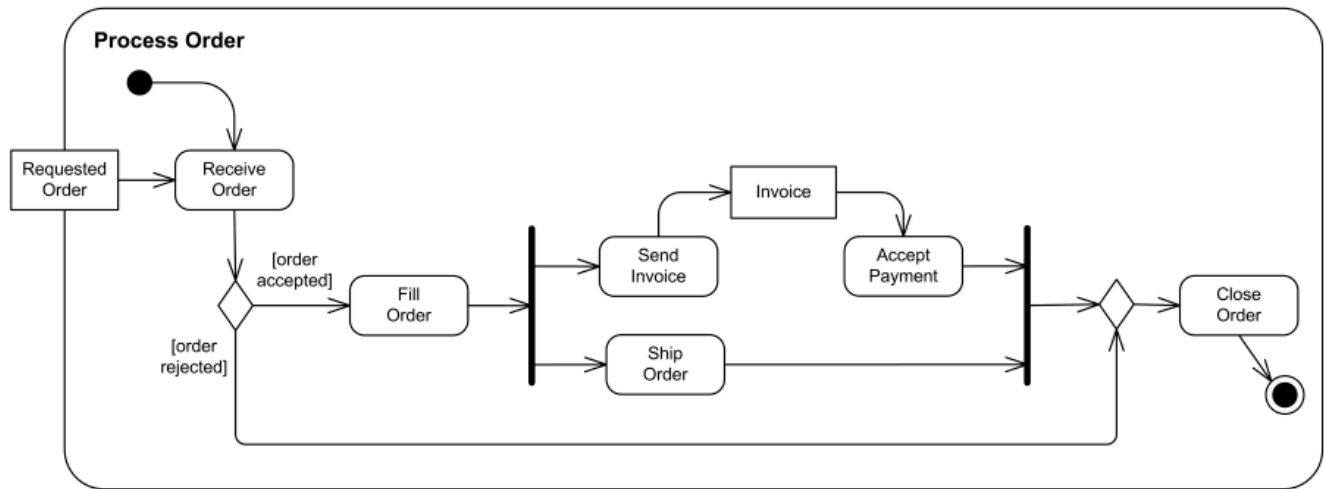
Marks for this submission: 1.00/1.00.

## Question 5

Correct

Mark 1.00 out of 1.00

Which of the following is correct about the activity diagram in Fig5.2.2.6 (<https://www.uml-diagrams.org/shopping-process-order-uml-activity-diagram-example.html?context=activity-examples>)?



Select one:

- ☐ a. The activity "Close Order" can only be performed after all activities "Accept Payment" and "Ship Order" are completed.
- ☒ b. All the other answers are correct. ✓
- ☐ c. Activities "Send Invoice" and "Ship Order" are performed in parallel.
- ☐ d. "Receive Order", "Fill Order" are activities.

Correct

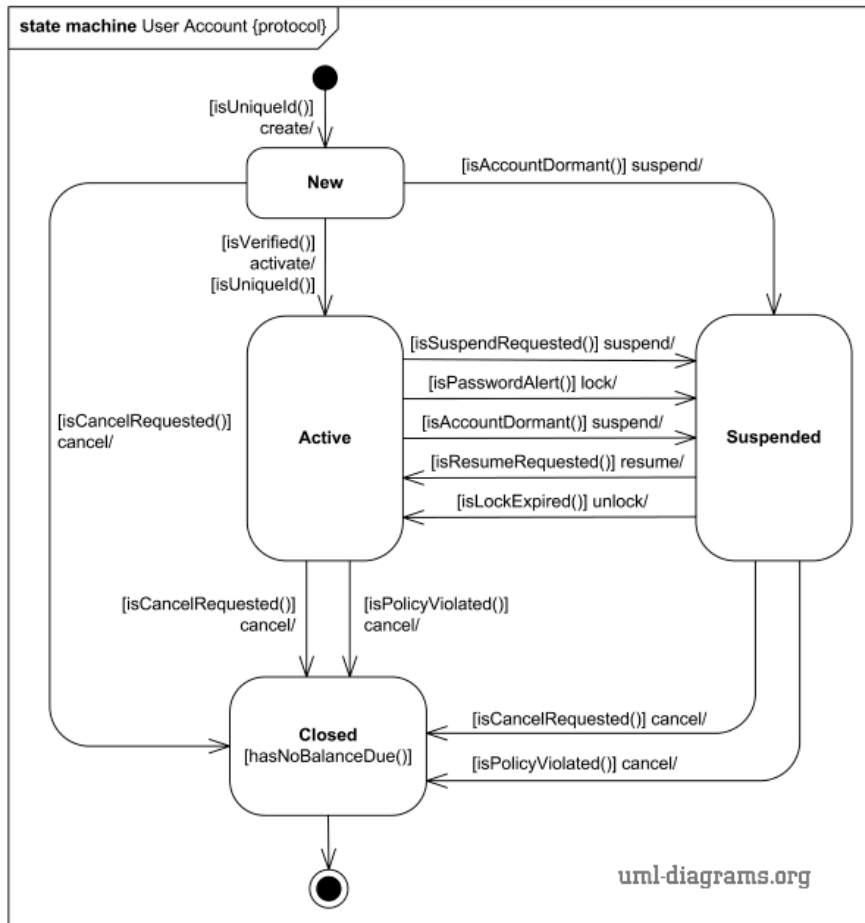
Marks for this submission: 1.00/1.00.

## Question 6

Correct

Mark 1.00 out of 1.00

Which of the following is CORRECT about the state-chart diagram in Fig5.2.2.9 (<https://www.uml-diagrams.org/examples/online-shopping-user-account-state-diagram-example.html?context=stm-examples>)?



Select one:

- ☐ a. After creating a user account, it is in New state and can only be changed into Active state on an "activate" event.
- ☐ b. There are only four "real" states: New, Active, Suspended, Closed.
- ☒ c. All the other answers are correct. ✓
- ☐ d. When in Active state, a user account can be changed into Suspended state on some event such as "suspend" and "lock".

Correct

Marks for this submission: 1.00/1.00.

## Question 7

Correct

Mark 1.00 out of 1.00

Which of the following is INCORRECT about the state-chart diagram?

Select one:

- ☐ a. Names of states in general are adjectives.
- ☐ b. Any transition should have an event.
- ☒ c. There is for some circumstance a transition point to nowhere. ✓
- ☐ d. There may be some actions defined inside a state such as actions that are performed when entering a state.

Correct

Marks for this submission: 1.00/1.00.

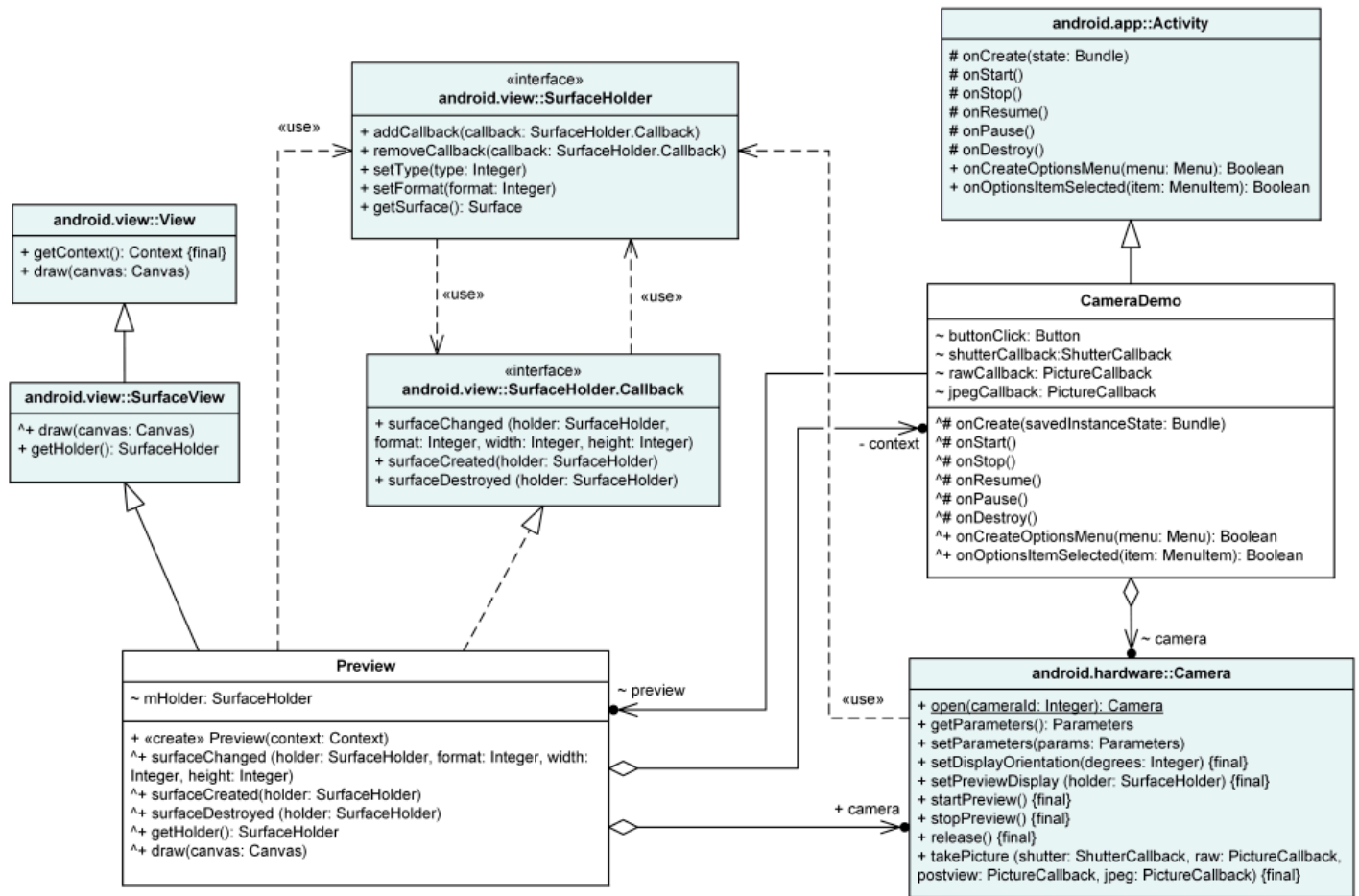


### Question 8

Correct

Mark 1.00 out of 1.00

Which of the following is INCORRECT about the class relationship in Fig5.2.2.2 (<https://www.uml-diagrams.org/android-camera-uml-class-diagram-example.html>)?



Select one:

- ☐ a. A method of CameraDemo cannot access directly to the attribute mHolder of Preview.
- ☒ b. When an instance of class Preview is destroyed, the system should destroy all related instances of CameraDemo and android.hardware::Camera. ✓
- ☐ c. A method of Preview cannot access directly to the attribute rawCallback of CameraDemo.
- ☐ d. Preview is composed of CameraDemo and android.hardware::Camera.

Correct

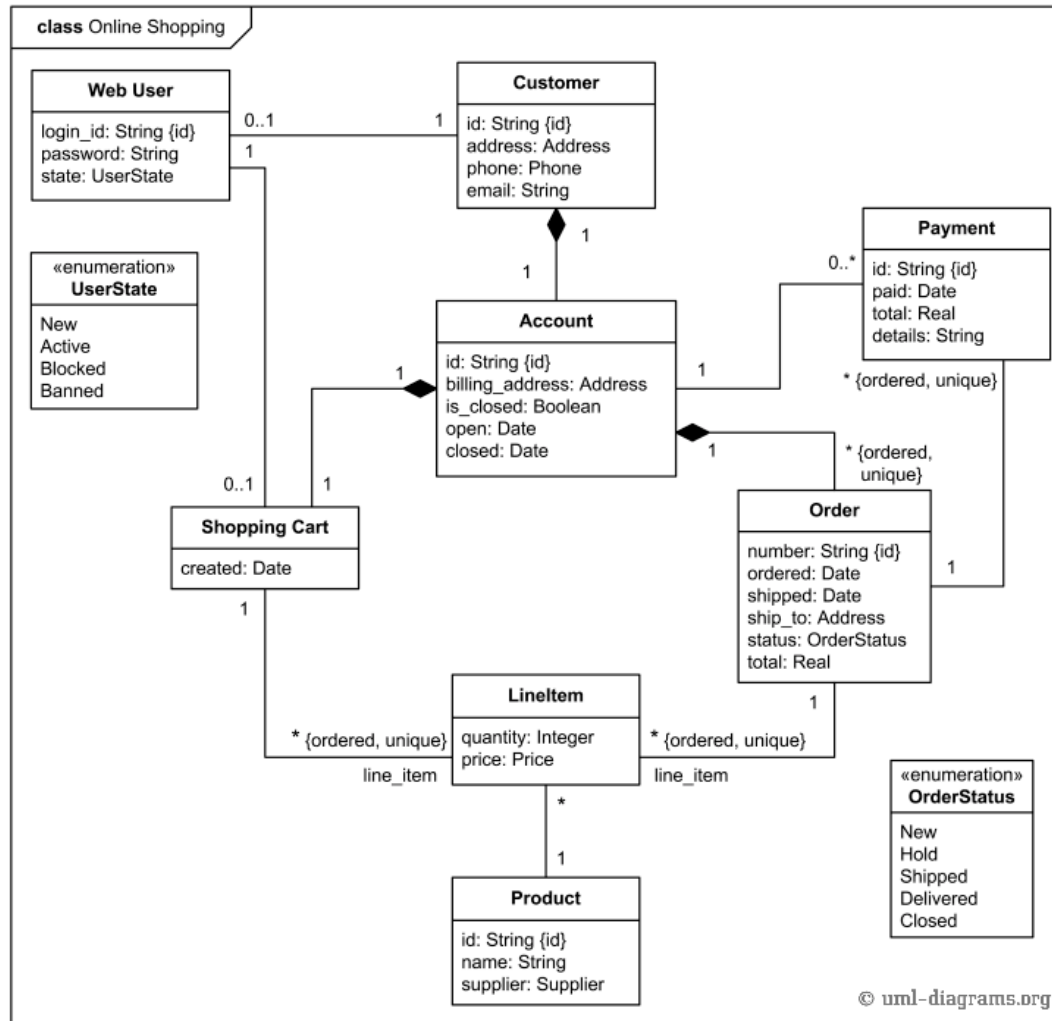
Marks for this submission: 1.00/1.00.

## Question 9

Correct

Mark 1.00 out of 1.00

Which of the following is INCORRECT about the class relationship in Fig5.2.2.5 (<https://www.uml-diagrams.org/examples/online-shopping-domain-uml-diagram-example.html?context=cls-examples>)?



Select one:

- ☒ a. A ShoppingCart object will generate an Order object. ✓
- ☐ b. An Order may have no or many Payment.
- ☐ c. An Order object has many LineItem objects, each is a Product object.
- ☐ d. A ShoppingCart object has many LineItem objects, each is a Product object.

Correct

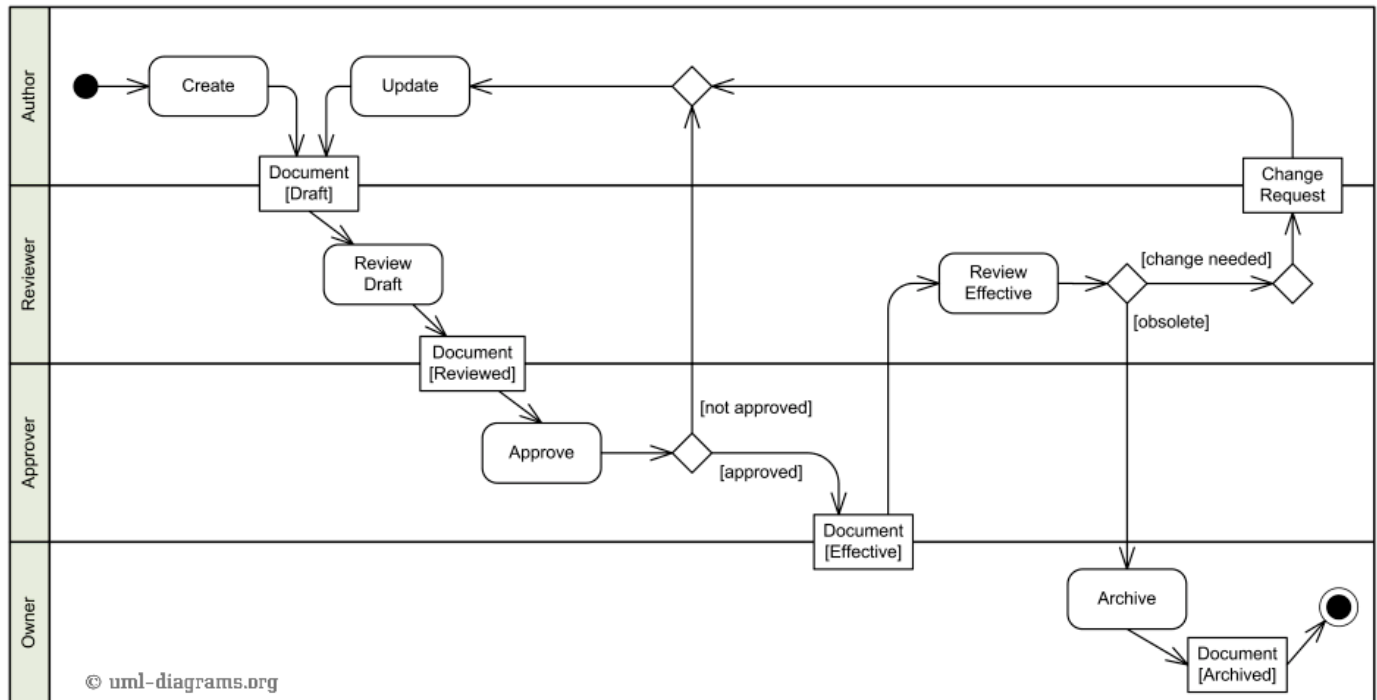
Marks for this submission: 1.00/1.00.

## Question 10

Correct

Mark 1.00 out of 1.00

Which of the following is CORECT about the activity diagram in Fig5.2.2.8 (<https://www.uml-diagrams.org/document-management-uml-activity-diagram-example.html>)?



Select one:

- ☐ a. The "Change Request" is al so an activity.
- ☒ b. The role Author is in charged for only "Create" and "Update" activities. ✓
- ☐ c. The role Receiver is also the role Approver.
- ☐ d. All the other answers are correct.

Correct

Marks for this submission: 1.00/1.00.