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Exam : **ADOBE 9A0-310**

Title : Adobe Flex2 Developer Exam

Update : Demo



1. Which statement best describes the Model-View-Controller design pattern?

- A. It does NOT promote code reuse
- B. Alternative user interfaces are difficult to add
- C. It combines the code responding to user input with the code rendering the interface
- D. It promotes maintainability by providing separation of concerns within code

Answer: D

2. Which development task would most likely be part of building loosely coupled MXML components?

- A. invoking the `dispatchEvent()` method
- B. assigning a reference to the `owner` property
- C. extending the `flash.events.Dispatcher` class
- D. implementing the `IFlexDisplayObject` interface

Answer: A

3. Which software design pattern reduces method call volume by encapsulating multiple data attributes in a single object?

- A. Factory
- B. Singleton
- C. Assembler
- D. Transfer Object
- E. Data Access Object

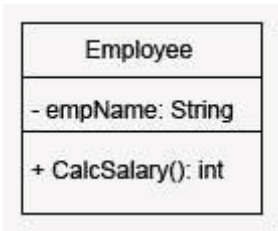
Answer: D

4. Which statement about the `dispatchEvent()` method is true?

- A. It automatically dispatches an event object.
- B. It can only be used with the `Application` class.
- C. It can be used for both custom and other events.
- D. It returns the `type` property value of the event object.

Answer: C

5. Click the Exhibit button. Which ActionScript class definition represents the UML class diagram?



- A. class Employee {
private var empName:String;
public function CalcSalary():int {
...
}
- B. class Employee {
public var empName:String;
private function CalcSalary():int {
...
}
- C. class Employee {
private var empName:String;
protected function CalcSalary():int {
...
}
- D. class Employee {
public var empName:String;
protected function CalcSalary():int {
...
}

Answer: A

6. Which statement best defines event bubbling?

- A. Event bubbling is NOT supported in ActionScript 3.0
- B. The event flows from the top of the display list hierarchy to the node just before the target node
- C. The event flows from the node subsequent to the target node back up the display list hierarchy
- D. The event flows from the top of the display list hierarchy to the target node

Answer: C

7. Given the following code snippet:

```
----- com\\adobe\\people\\Person.as -----
package com.adobe.people
{
    public class Person
    {
        private var _firstName:String;
        private var _lastName:String;
        public function Person(fn:String, ln:String)
        {
            _firstName = fn;
            _lastName = ln;
        }
        public function get firstName():String
        {
            return _firstName;
        }
        public function get _firstName():String
        {
            return _firstName.toUpperCase();
        }
        public function toString():String
        {
            return _firstName + " " + _lastName;
        }
    }
}
-----
var p:Person = new Person("Fred", "Friendly");
trace(p.firstName);
```

Which value would be traced to the console?

- A. FRED
- B. Fred
- C. Fred Friendly
- D. An error or strict-mode warning would occur

Answer: B

8. Which design pattern is followed by an ActionScript class that uses the [RemoteClass] metatag?

- A. Singleton
- B. Assembler
- C. Data Access Object
- D. Data Transfer Object

Answer: D

9. Which Flex 2 language feature provides the best support for loose coupling between MXML components?

- A. class inheritance
- B. singleton classes
- C. event dispatching
- D. remote object services

Answer: C

10. A Flex application contains a custom event object eventObj:

```
var eventObj:Event = new Event(myCustomEvent);
```

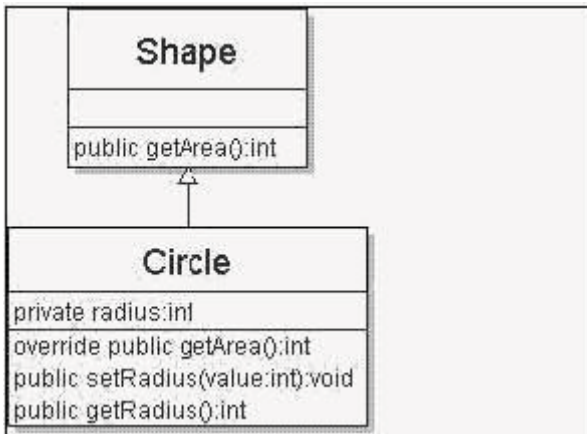
Which line of code correctly triggers this event?

- A. eventObj.dispatch();
- B. dispatchEvent(eventObj);
- C. eventObj.dispatchEvent();
- D. dispatchEvent(eventObj);

Answer: B

11. Click the Exhibit button.

What is the relationship between the two classes in the UML diagram?



- A. Shape extends Circle
- B. Circle extends Shape
- C. Shape implements Circle
- D. Circle implements Shape

Answer: B

12. You want to send custom data with an event object that has been generated by the framework. What should you do?

- A. Add custom properties to the target property.
- B. Subclass the Event class and add properties to it.
- C. Subclass the DisplayObject class and add properties to it.
- D. Add custom properties to the Flash.events.Event class.

Answer: B

13. Which is contained in a .jar file?

- A. XML data files in an archived format
- B. the Java Virtual Machine used in a J2EE server
- C. a set of pre-compiled Java classes in an archived format
- D. all configuration and application files in a J2EE web application in an archived format

Answer: C

14. Which attribute prevents a class method from being visible within a sub-class?

- A. public
- B. internal
- C. private
- D. protected

Answer: C

15. You have used a `WebService` object to call a public method of a SOAP-based web service. The remote web service is written in Java. The signature of the Java method being called is:

```
public List getData()
```

You have declared an `ActionScript` method named `resultHandler()` with this signature:

```
private function resultHandler(event:ResultEvent):void
```

When the `resultHandler()` method is called from the `HTTPService` object `result` event, you want to save the returned data to a previously declared `ArrayCollection` named `myCollection`.

Which is the correct syntax?

- A. `myCollection = event.result;`
- B. `myCollection = event.result as ArrayCollection;`
- C. `myCollection = new ArrayCollection(event.result as Array);`
- D. `myCollection = event.getData().lastResult as ArrayCollection;`

Answer: B

16. Which `Data Management Service` method will reset an item to its previous state?

- A. `undo()`
- B. `rollBack()`
- C. `noCommit()`
- D. `revertChanges()`

Answer: D

17. You have used an `HTTPService` object to retrieve this HTML file:

```
<?xml version=1.0?> <employees>  
<employee><name>Joe</name><job>President</job>
```

```
</employee>
```

```
<employee><name>Mary</name><job>CEO</job>
```

```
</employee></employees>
```

The resultFormat property of the HTTPService object is set to object, and the id property is set to myService. You want to use a DataGrid control to display the list of employees.

Which is the correct syntax for a binding expression to pass the employee objects to the dataProvider property of the DataGrid?

- A. dataProvider={myService.lastResult}
- B. dataProvider={myService.lastResult.employees}
- C. dataProvider={myService.result.employees.employee}
- D. dataProvider={myService.lastResult.employees.employee}

Answer: D

18. Which object is the returned XML data placed into after a Web service operation executes?

- A. result
- B. collection
- C. firstResult
- D. lastResult

Answer: D

19. Which property of the HTTPService class references the data returned from a request?

- A. result
- B. lastResult
- C. destination
- D. resultFormat

Answer: B

20. Which protocol supports the use of server-pushed messaging with the Flex Message Service and the Data Management Service?

- A. AMF
- B. HTTP
- C. SOAP
- D. RTMP

Answer: D

21. Which HTTPService method call will invoke a service request?

- A. get()
- B. load()
- C. send()
- D. getService()

Answer: C

22. You have used a RemoteObject object to call a public method of a Java class that is hosted by Flex Data Services. The signature of the Java method being called is:

```
public List getData()
```

You have declared an ActionScript method named resultHandler() with this signature:

```
private function resultHandler(event:ResultEvent):void
```

When the resultHandler() method is called from the RemoteObject result event, you want to save the returned data to a previously declared ArrayCollection named myCollection.

Which is the correct syntax?

- A. myCollection = event.result;
- B. myCollection = event.result as ArrayCollection;
- C. myCollection = new ArrayCollection(event.result as Array);
- D. myCollection = event.getData.lastResult as ArrayCollection;

Answer: C

23. Which Flex Data Services component allows a Flex client to access back-end data by invoking remote methods of Java objects and ColdFusion components?

- A. Flex Charting
- B. Proxy Service
- C. RPC Services
- D. Message Service

Answer: C

24. You have configured the proxy service with this destination:

```
<destination id="DefaultHTTP">
<properties><dynamic-url>http://127.0.0.1/flex/assets/*</dynamic-url></properties></destination>
```

Which HTTPService object will successfully use the proxy service to retrieve data?

- A. `<mx:HTTPService id=myServiceurl=http://127.0.0.1/flex/assets/mydata.xml/>`
- B. `<mx:HTTPService id=myServiceurl=http://127.0.0.1/flex/assets/mydata.xmluseProxy=true/>`
- C. `<mx:HTTPService id=myServicedestination=DefaultHTTP useProxy=true/>`
- D. `<mx:HTTPService id=myServiceurl=http://localhost/flex/mydata.xmluseProxy=true/>`

Answer: B

25. Which two metatags should be added to an ActionScript class definition to make it compatible with the Data Management Service (Choose two)?

- A. [Event]
- B. [Embed]
- C. [Bindable]
- D. [Managed]
- E. [RemoteClass]

Answer: DE

26. Which metadata tag marks a particular ActionScript data transfer object to be watched by the Data Management Service?

- A. Watch
- B. Bindable

- C. Managed
- D. RemoteClass

Answer: C

27. Which property of the HTTPService component allows you to use parameter binding to pass query parameters to an HTTP Service?

- A. id
- B. request
- C. method
- D. concurrency

Answer: B

28. Given this XML variable:

```
var myData:XML =<employees>
```

```
<dept name=Marketing><employee>Joe</employee><employee>Mary</employee>  
</dept>
```

```
<dept name=Shipping><employee>Alice</employee><employee>Harry</employee>  
</dept></employees>
```

And this ActionScript statement:

```
returnedXML = myData.dept.(@name == Marketing)
```

What is the value of returnedXML?

- A. All <dept> elements
- B. The first <dept> element
- C. The entire <employees> element
- D. Only the <employee> elements within the first <dept> element

Answer: B

29. Which is a characteristic of the ArrayCollection class?

- A. It can only implement the IList interface

- B. The class does NOT need to be imported
- C. Elements used in bindings will continue to be monitored
- D. Monitored data in an ArrayCollection needs to be stored in the Array class

Answer: C

30. Which two methods of the String class support the use of regular expressions by accepting a RegExp object as an argument? (Choose two.)

- A. substr()
- B. charAt()
- C. search()
- D. replace()
- E. indexOf()

Answer: CD

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