

Adobe

Exam Questions AD0-E116

Adobe Experience Manager Developer Expert



NEW QUESTION 1

A developer has a component foobar that consists of the files listed below: script-a.js

```
"use strict";
use(function () {
  return "foo";
});
```

script-b.js

```
"use strict";
use(function () {
  return "";
});
```

foobar.html

```
<div data-sly-use.a="script-a.js" data-sly-use.b="script-b.js">
  <div data-sly-attribute.class="{a}" class="bar"></div>
  <div class="bar" data-sly-attribute.class="{a}"></div>
  <div class="foo" data-sly-attribute.class="{b}"></div>
  <div data-sly-attribute.class="{a}"></div>
</div>
```

What is the output when this component is rendered?

A

```
<div>
  <div class="bar"></div>
  <div class="foo"></div>
  <div></div>
  <div></div>
</div>
```

B

```
<div>
  <div class="bar"></div>
  <div class="foo"></div>
  <div></div>
  <div class=""></div>
</div>
```

C

```
<div>
  <div class="foo"></div>
  <div class="foo"></div>
  <div class=""></div>
  <div class="foo"></div>
</div>
```

D

```
<div>
  <div class="bar"></div>
  <div class="bar"></div>
  <div class="foo"></div>
  <div class=""></div>
</div>
```

- A. Option A
- B. Option B
- C. Option C

D. Option D

Answer: A

NEW QUESTION 2

Refer to the following Client Library node structure.

```
+clientlibs
- jcr:primaryType="cq:ClientLibraryFolder"
- categories="[clientlibs.example]"
+ js.txt
- jcr:primaryType="nt:file"
+ css.txt
- jcr:primaryType="nt:file"
+ js
- jcr:primaryType="nt:folder"
- javascript1.js
- javascript2.js
```

The js.txt looks like javascript1.js javascript2.js

The JavaScript is NOT present in the Client Library when it is loaded. What should a developer do to resolve this issue?

- A. Change the js folder to a Client Library node and add the property categories = "[clientlibs.example]"
- B. Change the js folder to a Client Library node and embed it on the clientlibs node
- C. Add #base=js as the first line in the js.txt file
- D. Split the js and css into 2 Client Libraries since they can't be in the same Client Library

Answer: C

NEW QUESTION 3

A custom bundle of an application is in state "Installed" after deploying it with Maven. What should a developer do to change it to state "Active"?

- A. Use the "Start" action for the bundle in the Apache Felix Web Console
- B. Ensure all OSGi requirements are met and re-deploy using Maven
- C. Use the "Update" action for the bundle in the Apache Felix Web Console
- D. Reinstall the content package using the package manager

Answer: B

NEW QUESTION 4

A developer must create a workflow step that assigns a 'WorkItem' to the appropriate person based on who has the least amount work to do.

The group that must perform the action is configured into the workflow.

Which non-deprecated interface should the Java implementation class use to perform the assignment?

- A. com.adobe.granite.workflow.exec.ParticipantStepChooser
- B. com.day.cq.workflow.exec.ParticipantChooser
- C. com.day.cq.workflow.exec.WorkItem
- D. com.adobe.granite.workflow.exec.WorkflowData

Answer: A

NEW QUESTION 5

A developer is working on a project locally and needs to install packages manually. The deployments to the localhost must be automated to speed up development. This functionality must be toggled on and off, depending on the needs of the developer.

Which step should the developer take to achieve this?

- A. Configure the maven install plugin by defining the target URL, username and password as maven properties.
- B. Add a maven profile and configure the content package maven plugin within this profile
- C. Write a script that does a PUT call to AEM each time maven builds a new package
- D. Run maven with the deploy phas
- E. Maven will install the package on all local AEM instances running without further configuration

Answer: B

NEW QUESTION 6

A developer running a local AEM instance and working on an AEM project needs to change a largenumber of files locally in filesystem. The developer needs to get the changes uploaded to the local AEM instance to verify changes almost immediately in the browser.

What action should the developer take to most efficiently meet these requirements?

- A. Build a Content Package using maven and deploy it after each change
- B. Access CRXDE and upload the files through the interface
- C. Make the changes in CRXDE, create a content package, download it and expand it into the working directory after each change
- D. Install FileVault bundle in the AEM instance and register the local working directory for synchronization

Answer: D

NEW QUESTION 7

The dependency of an AEM project fails when a developer configures using Apache Maven. Refer to the error information below.

```
INFO]----- [ERROR] COMPILATION ERROR : [INFO] -----[ERROR]
```

```
/training/core/src/main/java/com/adobe/training/core/listeners/SimpleResourceListener.java:[18,28] package org.apache.sling.api does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/filters/LoggingFilter.java:[26,28] package org.apache.sling.api does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/filters/LoggingFilter.java:[27,31] package org.apache.sling.engine does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[22,37] package org.apache.sling.api.resource does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[25,33] package org.apache.sling.api.settings does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[31,13] cannot find symbol
symbol: class SlingSettingsService
location: class com.adobe.training.core.models.HelloWorldModel
What should a developer add to the pom.xml to fix the Maven build?
```

- A. "<dependency><groupId>com.adobe.aem</groupId><artifactId>aem-api</artifactId><version>6.4.0</version><classifier>apis</classifier><scope>provided</scope></dependency>"
- B. "<dependency><groupId>com.adobe.aem</groupId><artifactId>uber-jar</artifactId><version>6.4.0</version><classifier>apis</classifier><scope>provided</scope></dependency>"
- C. "<resources><resource><directory>src/main/content/jcr_root</directory><filtering>>false</filtering><excludes><exclude>*/.vlt</exclude><exclude>*/.vltignore</exclude><exclude>libs</exclude></excludes></resource></resources>""<repositories>"
- D. <repository><id>adobe-public-releases</id><name>Adobe Public Repository</name><url>https://repo.adobe.com/nexus/content/groups/public/</url><layout>default</layout></repository></repositories>"

Answer: B

NEW QUESTION 8

A developer is working on a dialog for a contact list component. The dialog has the following requirements:

- * 1. The list of contacts must include one or more entries.
- * 2. Contact details must include a full name.
- * 3. Contact details must include an email address
- * 4. Contact details can optionally include a short bio
- * 5. Authors need to be able to rearrange the contacts in the list

Which dialog configuration should the developer use to meet all of these requirements?

A

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multi
  eld"
  - composite="{Boolean}true"
  - fieldLabel="Contact List"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/t
        extfield"
        - fieldLabel="Full Name"
        - name="./name"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/t
        extfield"
        - fieldLabel="Email Address"
        - name="./email"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/t
        extarea"
        - fieldLabel="Short Bio"
        - name="./bio"
        - required="{Boolean}false"
```


B

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
  - composite="{Boolean}true"
  - fieldLabel="Contact List"
  - required="{Boolean}true"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Full Name"
        - name="./name"
        - required="{Boolean}true"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Email Address"
        - name="./email"
        - required="{Boolean}true"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        - fieldLabel="Short Bio"
        - name="./bio"
```

C

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
  - fieldLabel="Contact List"
  - required="{Boolean}true"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - composite="{Boolean}true"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Full Name"
        - name="./name"
        - required="{Boolean}true"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Email Address"
        - name="./email"
        - required="{Boolean}true"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        - fieldLabel="Short Bio"
        - name="./bio"
```

D

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
  - fieldLabel="Contact List"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - composite="(Boolean)true"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Full Name"
        - name="./name"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Email Address"
        - name="./email"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        - fieldLabel="Short Bio"
        - name="./bio"
        - required="(Boolean>false"
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 9

A developer needs to analyze log messages for custom Java application. The developer writes the following Java class:

```
package com.abc.xyz;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

public class MyClass {
    private static final Logger logger = LoggerFactory.getLogger(this.getClass());

    public void customMethod() {
        logger.debug("A custom log message");
    }
}
```

The developer creates a custom log named custom.log with a debug level in OSGi web console for Java package com.abc.xyz.

```
package com.abc.xyz;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

public class MyClass {
    private static final Logger logger = LoggerFactory.getLogger(this.getClass());

    public void customMethod() {
        logger.debug("A custom log message");
    }
}
```

Where should the developer look in the OSGi webconsole to view the above message?

- A. OSGi -> Log Service and click logs/custom.log
- B. Sling-> Log Support and click logs/custom.log
- C. Sling -> Metrics and click logs/custom.log
- D. AEM -> Log Support and click logs/custom.log

Answer: B

NEW QUESTION 10

A developer is working on the following Sling Model that is being used in a component.

```
@Model(adaptables = SlingHttpServletRequest.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
```

```
public class SampleModel {
    @Inject
    private Page currentPage; private boolean matchingTitle;
    @PostConstruct private void init(){
        matchingTitle = title.equals(currentPage.getName());
    }
    public boolean isMatchingTitle(){ return matchingTitle;
    }
}
```

The model must check if the configured value of the jcr:title property for the component matches the same name of the current page. If the jcr:title property of the component has NOT been configured, then isMatchingTitle() must return false.

How should the developer inject the title property in this model?

- A. "@ValueMapValue@Via("jcr:title")@Requiredprivate String title;"
- B. "@ValueMapValue@Named("jcr:title")@Default(values = "") private String title;"
- C. "@ValueMapValue@Named("jcr:title")@Requiredprivate String title;"
- D. "@ValueMapValue@Via("jcr:title")@Default(values = "") private String title;"

Answer: B

NEW QUESTION 11

A developer needs to change the label "Sites" in the navigation of AEM author to "Websites". Which action should the developer take to achieve this?

- A. Change the code of /libs/granite/ui/components/shell/clientlibs/shell/js/globalnav.js to display the new value
- B. Create a new node /apps/cq/core/content/nav/sites and update the property jcr:title
- C. Modify the code of /libs/granite/ui/components/shell/globalnav/overlay/overlay.jsp to display the new value
- D. Modify the node /libs/cq/core/content/nav/sites by updating the jcr:title property

Answer: B

NEW QUESTION 12

A developer creates a Sling Servlet. The Sling Servlet is bound to a path (/service/sling/sample). Refer to the resulting code below.

```
@Component (immediate=true, service = {Servlet.class})
```

```
@SlingServletPaths(value = {"service/sling/sample"})
```

What should the developer do to make the servlet access controlled using the default ACLs?

- A. Add @SlingServletPrefix (value = "/apps") annotation
- B. Use @SlingServletResourceTypes instead of @SlingServletPaths
- C. Modify @SlingServletPaths(value = {"bin/sling/sample"})
- D. Add @SlingServletName(servletName = "AccessControlServlet") annotation

Answer: B

NEW QUESTION 13

From which AEM Web Console should a developer access and download full AEM Log Files?

- A. WebConsole -> System Information

- B. Status -> Log files
- C. OSGI -> Sing Log Service
- D. AEM -> Log files

Answer: B

NEW QUESTION 14

The following stack trace is written in the error.log file after installing a custom application package. Could not startbundle com.adobe.cq.sample-bundle [526]. Reason: {}. Will retry. org.osgi.framework.BundleException: Unable to resolve com.adobe.cq.sample-bundle [526](R 526.0): missing requirement [com.adobe.cq.sample-bundle] osgi.wiring.package
 What are two different ways that the developer could resolve the OSGi bundle dependency error? (Choose two)

- A. Go to the Dependency Finder in the System Console to find if another bundle is exporting a similar version of the classes and change the project pom.xml to match the same version
- B. Install the jar in AEM via the curl command 'curl -u username:password -F file=@"/com.example.customlib-3.8.jar" -F name="Dependency" -F force=true -F install=true http://localhost:4502/crx/packmgr/service.jsp --progress-bar -o upload.txt'
- C. Create a folder named "deploy" under \$AEM_HOME/crx-quickstart/ and copy com.example.customlib-3.8.jar in there so AEM uploads it automatically
- D. Go to the project parent pom.xml file and add the dependency with the scope "compile" and instruct the bundle plugin to include the dependency in runtime
- E. Upload the file com.example.customlib-3.8.jar into /apps/<project>/libs folder in CRX DE to make it available for the OSGi bundle

Answer: AD

NEW QUESTION 15

How should a developer configure the replication agent to flush the dispatcher cache for a newly activated page?

- A. Create a dispatcher flush agent in publish instance
- B. Create a reverse replication agent on the author instance
- C. Create a new replication agent and set transport URI to point to the dispatcher
- D. Set the serialization type property of the default agent to dispatcher flush

Answer: A

NEW QUESTION 16

A developer is working on an HTL script for a custom component. The script has the following requirements:

- * This script must list the title of every child page of the current page.
- * If a child page does not have any children, then its title should link directly to that page.
- * If a child page has children, then the title of every one of its children should be listed beneath its title.
- * The title of every grandchild page should link directly to that page. Which HTL script should the developer use to meet these requirements?

A

```
<ul data-sly-list.child="${currentPage.listChildren}">
  <li>
    <sly data-sly-test.grandchildren="${child.listChildren}">
      <b>${child.title}</b>
      <ul data-sly-list.grandchild="${grandchildren}">
        <li>
          <a href="${grandchild.path @ extension = 'html'}">${
{grandchild.title}</a>
        </li>
      </ul>
    </sly>
    <sly data-sly-test="!grandchildren">
      <a href="${child.path @ extension = 'html'}">${child.title}</a>
    </sly>
  </li>
</ul>
```


B

```
<ul data-sly-list.child="{currentPage.listChildren}">
  <li>
    <sly data-sly-test.grandchildren="{child.listChildren}">
      <b>{child.title}</b>
      <ul data-sly-list.grandchild="{grandchildren}">
        <li>
          <a href="{grandchild.path}">{grandchild.title}</a>
        </li>
      </ul>
    </sly>
    <sly data-sly-test="{!grandchildren}">
      <a href="{child.path}">{child.title}</a>
    </sly>
  </li>
</ul>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

NEW QUESTION 17

The custom AEM application needs to keep a flat list of all page paths underneath /content/thesite in memory for a real-time integration with high performance requirements.

The developer has the following intermediate state of the class:

```
@Component(immediate = true)
public class PagePathsCacheImpl implements PagePathsCache {
    @Reference
    ResourceResolverFactory resourceResolverFactory;
    List<String> pagePaths = new CopyOnWriteArrayList<String>();
    @Activate
    public void activate() {
        // ... here the initial state of pagePaths is filled via resourceResolver.findResources(...)
    }
    public List<String> getPagePaths() {
        return pagePaths;
    }
}
```

What action should the developer take to meet these requirements?

A

Make the class also implement `ResourceChangeListener` and add

```
property = {
    ResourceChangeListener.CHANGES + "=ADDED",
    ResourceChangeListener.CHANGES + "=REMOVED",
    ResourceChangeListener.PRIMARY_TYPES + "=cq:Page"
    ResourceChangeListener.PATHS + "=/content/thesite"
}
```

to the `@Component` annotation. In method `onChange` update field `pagePaths` according to received list of `ResourceChange`.

B

Make the class also implement `ResourceChangeListener` and add

```
property = {
    ResourceChangeListener.CHANGES + "=ADDED",
    ResourceChangeListener.CHANGES + "=REMOVED",
    ResourceChangeListener.PATHS + "=/content/thesite"
}
```

to the `@Component` annotation. In method `onChange` filter received list of `ResourceChange` for pages only and update field `pagePaths` accordingly.

C

Make the class also implement `ResourceObservationManager` and add

```
property = {
    ResourceObservationManager.CHANGES + "=ADDED",
    ResourceObservationManager.CHANGES + "=CHANGED",
    ResourceObservationManager.CHANGES + "=REMOVED",
    ResourceObservationManager.PATHS + "=/content/thesite"
}
```

to the `@Component` annotation. In method `onChange` filter received list of `ResourceChange` for pages only and adjust field `pagePaths` accordingly.

D

Make the class also implement `ResourceObservationManager` and add

```
property = {
    ResourceObservationManager.CHANGES + "=ADDED",
    ResourceObservationManager.CHANGES + "=REMOVED",
    ResourceObservationManager.PRIMARY_TYPES + "=cq:Page"
    ResourceObservationManager.PATHS + "=/content/thesite"
}
```

to the `@Component` annotation. In method `onChange` update field `pagePaths` according to received list of `ResourceChange`.

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 18

A developer wants to consume AEM Page Data in Single Page Application. The Single Page Application is coded to understand JSON format. Only page content should be exposed through JSON. All the existing components are based on foundation components. Which change should the developer make in the existing components to support this requirement?

- A. Add JSON as the default extension in Apache Sling Servlet?Script Resolver and Error handler Configuration
- B. Implement a Sling Model Exporter for the components
- C. Create a custom sling event handler to handle JSON requests
- D. Invoke the page URL with the extension .json to get the values to construct the required output

Answer: B

Explanation:

<https://sling.apache.org/documentation/the-sling-engine/servlets.html>

NEW QUESTION 19

AEM is installed in \$AEM_HOME.

In which subfolder are the command line startup and shutdown scripts located?

- A. \$AEM_HOME/
- B. \$AEM_HOME/crx-quickstart/scripts
- C. \$AEM_HOME/crx-quickstart/opt/
- D. \$AEM_HOME/crx-quickstart/bin/

Answer: D

NEW QUESTION 20

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