Vendor: Adobe

Exam Code:AD0-E103

Exam Name: Adobe Experience Manager Developer

Version: Demo

QUESTION 1

A developer creates a custom Client Library named foobar.

This Client Library embeds 5 other Client Libraries and contains 10 JavaScript source files. One of these

files, called foo.js, has a bug on line 8 which causes an exception. The Client Library is throwing this

exception on line 1350 when it is included on a webpage.

How should a developer find the exact line in foo.js where the exception has been thrown?

A. 1. Enable JS/CSS minification in OSGi configuration console for HTML Library Manager.

2. Check the JavaScript exception log in the OSGi web console.

B. 1. Temporarily remove the embedded Client Libraries of the foobar Client Library.

2. Use the browser JavaScript debugging tools.

C. 1. Add the selector debugClientLibs to the page request.

2. Check the JavaScript exception log in the OSGi web console.

D. 1. Add the query parameter debugClientLibs=true to the request.

2. Use the browser JavaScript debugging tools.

Correct Answer: D

QUESTION 2

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>
```

C.

```
<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="${!child.listChildren}">
            <a href="${child.path}">${child.title}</a>
        </sly>
    </li>
</ul>
```

D.

```
<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="${!child.listChildren}">
            <a href="${child.path @ extension = 'html'}">${child.title}</a>
        </sly>
    </li>
</ul>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 3

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. Use @SlingServletResourceTypes instead of @SlingServletPaths.

B. Modify @SlingServletPaths(value = {"/bin/sling/sample" }).

C. Add @SlingServletName(servletName = "AccessControlServlet") annotation.

D. Add @SlingServletPrefix(value = "/apps") annotation.

Correct Answer: A

Reference: https://sling.apache.org/documentation/the-sling-engine/servlets.html#caveats-when-bindingservlets-by-path

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QUESTION 4

A developer wants to create a Client Library that will only be included on touch enabled devices.

What action should the developer take to achieve this?

A. Add the line "#base=touch" to the js.txt and css.txt files in the Client Library Folder.

B. Create a resource folder called "touch" under the Client Library Folder.

C. Set the channels property on the Client Library Folder to "touch".

D. Pass the parameter user-agent=\\'touch\\' when referencing the Client Library.

Correct Answer: B

QUESTION 5

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. Modify the node /libs/cq/core/content/nav/sites by updating the icr:title property value.

B. Change the code of /libs/granite/ui/components/shell/clientlibs/shell/js/globalnav.js to display the new value.

C. Create a new node /apps/cq/core/content/nav/sites and update the property icr:title.

D. Modify the code of /libs/granite/ui/components/shell/globalnav/overlay/overlay.jsp to display the new value.

Correct Answer: A

QUESTION 6

The developer is presented with a component "Component A" which inherits from a component

"Component B".

The dialog of Component A on path ../cq:dialog/../../items looks like:

```
+align
    - jcr:primaryType="nt:unstructured"
    - sling:resourceType="granite/ui/components/coral/foundation/form/select"
    - fieldLabel="Align Text"
    - name="./align"
```

The dialog of Component B on path ../cq:dialog/../../items looks like:

```
+title
    - jcr:primaryType="nt:unstructured"
    - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
    - fieldLabel="Title"
    - name="./title"

+description
    - jcr:primaryType="nt:unstructured"
    - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
    - fieldLabel="Description"
    - name="./description"
```

The requirement for the dialog is that the "Align text" field is shown after the "Title" field.

What should the developer do without changing Component B?

A. Move the align node from Component A to Component B and order them according the requirements.

B. Extend Component B with the functionality of Component A.

C. Add the property sling:orderBefore="description" to the align node.

D. Move all nodes under the item node from Component B to Component A and order them according the requirements.

Correct Answer: A

QUESTION 7

An application contains an OSGi configuration that contains a password.

How should a developer prevent this sensitive information from being stored in plain text in JCR?

A. 1. Use console at /system/console/crypto to encrypt the value.

2.

Either create an encrypted value for each AEM instance and use runmodes to apply the different values or make sure relevant instances share the same master key.

3.

When loading the value in the code, call CryptoSupport.unprotect(...) before using the value.

B. 1. Use console at /system/console/configMgr and tick the checkbox "encrypt" before saving a configuration.

2.

Use encrypted values work across all instances.

3.

When loading the value in the code, call CryptoSupport.unprotect(...) before using the value.

C. 1. Use console at /system/console/ configMgr and tick the checkbox "encrypt" before saving a configuration.

2.

Either create an encrypted value for each AEM instance and use runmodes to apply the different values or make sure relevant instances share the same master key.

3.

Sensitive information is automatically decrypted using the CryptoSupport OSGi service before the value is returned.

D. 1. Use console at /system/console/crypto to encrypt the value.

2.

Either create an encrypted value for each AEM instance and use runmodes to apply the different values or make sure relevant instances share the same master key.

3.

Sensitive information is automatically decrypted using the CryptoSupport OSGi service before the value is returned.

Correct Answer: A

QUESTION 8

A developer needs to implement a header component for a website. The component has the following

requirements:

The component should be configured once on the page highest in the hierarchy.

The header component on pages lower in the hierarchy should look the same and show the same data.

If necessary, the configuration can be overwritten on a child page.

The component should show a list of links that are configured in the header component.

Which code snippet for returning the list of pages should the developer use?

A.

```
public String [] getHeaderLinks (Resource componentResource) {
        final HierarchyNodeInheritanceValueMap properties = componentResource.
adaptTo(HierarchyNodeInheritanceValueMap.class);
        return properties.get (HEADER_PAGE_LIST, String[].class);
}
```

B.

```
public String [] getHeaderLinks (Page page) {
        final Resource pageContent = page.getContentResource();
        final ComponentInheritanceValueMap properties = ComponentIngeritance
ValueMap (pageContent);
        return properties.get (HEADER_PAGE_LIST, String[].class);
}
```

C.

```
public String [] getHeaderLinks (Resource componentResource) {
        final ComponentInheritanceValueMap properties = componentResource.
adaptTo(ComponentInheritanceValueMap.class);
        return properties.getInherited(HEADER_PAGE_LIST, String[].class);
}
```

D.

```
public String [] getHeaderLinks (Resource componentResource) {
        final HierarchyNodeInheritanceValueMap properties = new HierarchyNo
deInheritanceValueMap (componentResource);
        return properties.getInherited(HEADER_PAGE_LIST, String[].class);
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 9

Which log file contains AEM application request and response entries?

A. response.log

B. request.log

C. history.log

D. audit.log

Correct Answer: B

Reference: http://www.sgaemsolutions.com/2017/04/aem-logs-in-detail-part-1.html

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QUESTION 10

A custom AEM application is using the PageManager API.

What should a developer add to make the application compile and run correctly in AEM?

A. a maven dependency to AEM uber-jar to the content package

B. a maven dependency to bundle cq-wcm-core to the application bundle

C. a maven dependency to AEM uber-jar to the application bundle

D. a maven dependency to bundle cq-wcm-api to the content package

Correct Answer: A

Reference: https://helpx.adobe.com/experience-manager/6-5/sites/developing/using/ht-projectsmaven.html#ExperienceManagerAPIDependencies

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QUESTION 11

A developer needs to configure sets of values according to the following parameters: Varies for different staging environments Varies for different content paths Differs between author and publish

Which implementation strategy should the developer use to meet these requirements?

A. A custom cloud configuration

B. A context aware configuration with buckets using an OSGi configuration

C. One OSGi configuration for the set of values with runmodes

D. A JCR property at the content root node of the site with inheritedPageProperties

Correct Answer: C

QUESTION 12

A developer is working on a complex project with multiple bundles. One bundle provides an OSGi service for other bundles.

Which two options are necessary to ensure that the other bundles can reference that OSGi service? (Choose two.)

A. The bundles consuming the service need to import the fully qualified name of the service interface.

B. The service needs to correctly declare metatype information.

C. The bundle providing the service needs to contain a whitelist of allowed consumer bundles.

D. The bundle providing the service needs to contain an adequate SCR descriptor file.

E. The bundle providing the service needs to export the java package of the service interface.

Correct Answer: CE