



Free Questions for B2C-Commerce-Architect by certsinside

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Question 1

Question Type: MultipleChoice

An existing B2C Commerce site has the following aliases configuration:

```
"www.example.com": [  
  {  
    "locale": "en_US",  
  },  
  {  
    "locale": "de_DE",  
    "if-site-path": "de"  
  },  
  {  
    "locale": "en_US",  
    "if-site-path": "us"  
  },  
  {  
    "locale": "en_GB",  
    "if-site-path": "uk"  
  },  
],  
"www.example.de": [{  
  "host": "www.example.com",  
  "path": "de"  
}],  
"www.example.co.uk": [{  
  "host": "www.example.com",  
  "path": "uk"  
}]
```

Which statement related to this configuration is incorrect?

Options:

- A- Hostname www example.co.uk will redirect to www.example.com/uk.
- B- Hostnamewww.example.comwill redirect to www example com/us
- C- Hostname www.example.de will redirect to www.example.com/de.
- D- Site supports multiple hostnames and locates.

Answer:

B

Explanation:

In the provided configuration, the incorrect statement is B. While it appears that the hostname www.example.com should redirect to www.example.com/us based on the 'if-site-path': 'us' entry, this assumes that the default path or redirect isn't overridden by other configurations within the hostname alias file not visible in the snapshot provided. Typically, in Salesforce B2C Commerce, such a direct statement about redirection should align with explicit mapping rules that include hostname and path directives, which are not detailed for www.example.com to www.example.com/us in the snippet provided. This absence suggests that the statement may be incorrect unless corroborated by additional detailed mappings in the full configuration file.

Question 2

Question Type: MultipleChoice

An ecommerce site has dynamic shipping cost calculation. it allows the customers to see their potential shipping costs on the Product Detail Page before adding an item to the cart.

For this feature, shipping touts are calculated using the following logic:

- * Set the shipping method on the Basket
- * Add the item to the basket, calculate the basket total and get the shipping cost for this method
- * Remove the item from the Basket to restore the original state
- * The above process is repeated for each shipping method

During the testing it was discovered that the above code violates the `spi.basket.addResolveInSameResquest` quota.

What should the Architect do to resolve this issue and maintain the business requirement?

Options:

- A-** Omit the removal of the Item and speed up the process for the customer by adding the product to the basket for them.
- B-** Omit the calculation of shipping cost until the customer is ready to check out and has chosen the shipping method they want to
- C-** Wrap each Individual step of the process its own transaction Instead of using one transaction for all steps.

D- Wrap the adding of product and shipping cost calculation in a transaction which is then rolled back to restore the original state

Answer:

D

Explanation:

To resolve the issue of violating the `spi.basket.addResolveInSameRequest` quota and to maintain the functionality of dynamically calculating shipping costs for items before they are added to the basket, the best approach is:

Option D: Wrapping the adding of product and shipping cost calculation in a transaction, which is then rolled back to restore the original state. This method ensures that the system can calculate potential shipping costs without permanently altering the state of the basket. This approach keeps the basket's original state intact while allowing for multiple shipping calculations, effectively managing the load on system resources and adhering to platform quotas.

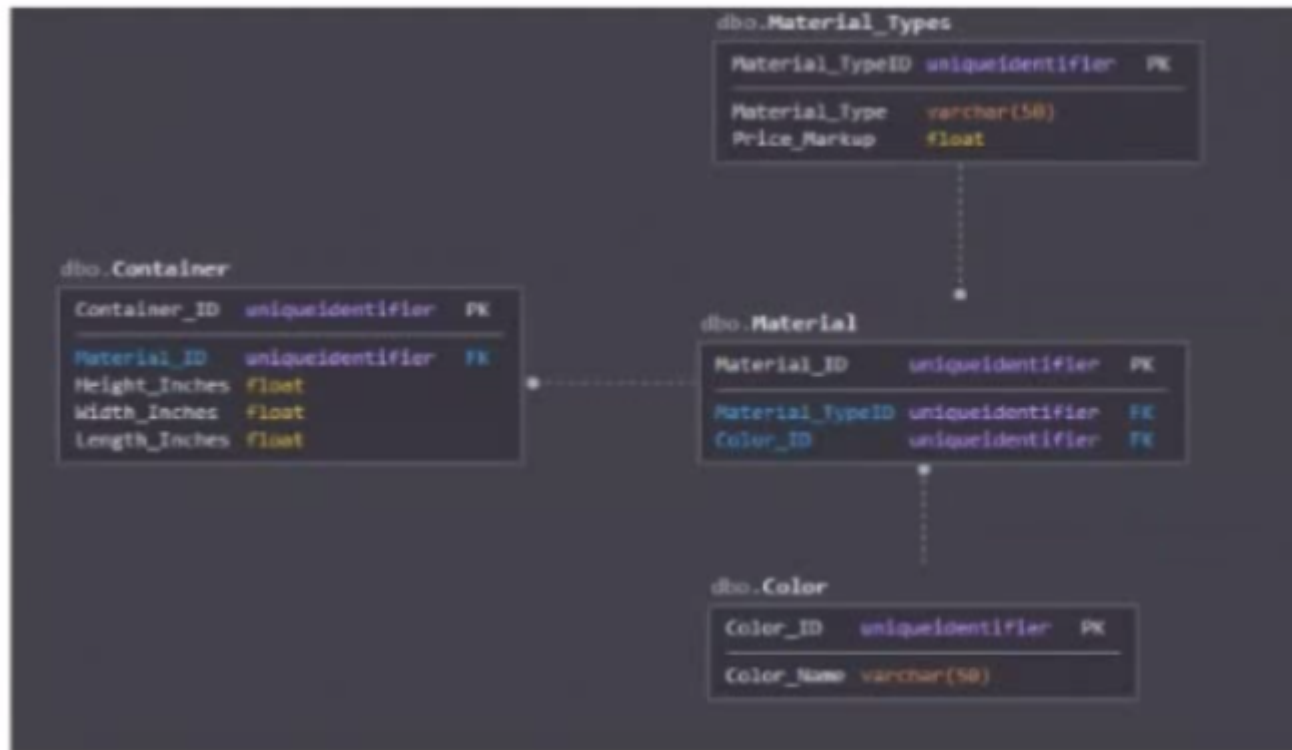
Question 3

Question Type: MultipleChoice

The Client wants to offer custom made container products on its new B2C Commerce storefront. The Client provided two business requirements.

- * Customer can specify container length, width, and height.
- * Customer can specify the material that the container is made of.

The Client also provided the Architect a current data schema (shown below) for reference while preparing the technical documentation.



Which two gaps between the requirements and the data schema should the Architect discuss with the Client?

Choose 2 answers

Options:

- A-** The data schema includes unique identifiers for material and color fields, but neither are reflected in the business requirements.
- B-** The data schema includes an implied structure that the customer's choices should be captured as custom objects, but there isn't a business requirement to do so.
- C-** The data schema includes a material Price_Markup field, but there isn't a business requirement to factor the material cost into the final price calculation.
- D-** The data schema includes a Color_ID field, but there isn't a business requirement to allow the customer to specify container color.

Answer:

A, D

Explanation:

The provided data schema includes several fields that do not match the stated business requirements, which focus on the custom dimensions and materials of the containers:

Option A: The inclusion of unique identifiers for materials and color fields in the data schema suggests a level of detail and structure around these attributes that is not reflected in the business requirements. If the business does not require tracking or differentiating materials beyond just naming them, this might be unnecessarily complex.

Option D: The data schema includes a Color_ID field, which implies the ability to specify the color of the container. However, the business requirements do not mention color as a customization option available to customers. This discrepancy needs to be addressed to ensure that the database design aligns with actual business needs.

Question 4

Question Type: MultipleChoice

The Client plans to deploy a new payment provider and Order Management System on its existing B2C Commerce website. They have asked an Architect to advise which environment it should use to conduct load testing of its new integrations.

Which environment should be used as the ideal environment for this kind of load test?

Options:

- A- The Development Instance of a rental Realm.
- B- The Development Instance of the existing Realm.
- C- The Production instance of the existing Realm.
- D- The Production Instance of a rental Realm.

Answer:

B

Explanation:

For conducting load testing of new integrations with a payment provider and Order Management System, it is recommended to use the Development Instance of the existing Realm (Option B). This approach ensures that any issues found during testing do not affect the live production environment, while still allowing tests to be conducted in an environment that mirrors the production setup as closely as possible. This minimizes the risk of disruptive downtime or customer-facing errors when the integration goes live.

Question 5

Question Type: MultipleChoice

An Architect is performing an audit of production logs via Log Center and finds some potentially dangerous custom log output.

When

1 minute, 8 seconds ago

Timestamp

2018-04-11 13:00:19.409

Severity

INFO

Hostname

blade2-3.mon.demandware.net

Domain

Sites-NTO-Site

Request

STOREFRONT

Category

custom

Thread

```
PipelineCallServlet|32665673|Sites-NTO-Site|COPlaceOrder-Submit|PipelineCall|G02U-  
2j1CppUHELDt1bCP9tYK4eJyqKzmVQkWBbegLatTjbtG0foT8-3l2yeHjjCQXZH5QInuBQGhk8lgZYvEQ==  
{ } order: 867173; email: peter@family.guy; firstName: Peter; lastName: Griffin;  
address: 31 Spooner St; city: Quahog; state: RI; country: US;  
nameOnCard: "Peter L. Griffin"; card: 4215837137516263; type: visa; code: 387; exp: 12/2023;
```

In which two ways is this log output improper in a production environment? Choose 2 answers

Options:

- A-** The log information includes the customer's cardname as it appears along with the credit card number (PAN), which violates PCI.
- B-** The log information includes the customer's card CW (card security code) and expiration date, which violates PCI.
- C-** Information logs should not be used in a production environment

D- The log information includes the order number and customer s email, which violates PCI.

Answer:

A, D

Explanation:

In a production environment, logging sensitive customer information such as credit card details (PAN, CVV, expiration date) can lead to severe security and compliance issues, specifically violating PCI DSS (Payment Card Industry Data Security Standard) requirements. The standards strictly prohibit the storage of CVV codes and mandate that any PAN displayed must be masked. Storing such data in logs is not only a risk for data breaches but also non-compliance with these standards can lead to penalties.

Option A: Including the customer's card name along with the full credit card number in logs is a clear violation of PCI DSS requirements, which stipulate that no more than the last four digits of the card number may be displayed.

Option B: Logging the card security code (CVV) and expiration date is explicitly prohibited by PCI DSS, which requires that sensitive authentication data, including CVV, must never be stored post-authentication, even if it is encrypted.

Question 6

Question Type: MultipleChoice

During implementation, the team found that there is a notification controller exposed for an external service that marks the order as paid when notification is received. The notification URL is sent to the service together with the payment request and contains only the URL with orderID as the parameter.

What should the Architect recommend to the team in order to prevent the unauthorized usage of the controller to mark the orders as paid?

Options:

- A- Add a customer number in the callback URL and match the customer number against the one stored on the order.
- B- Add HTTPS restriction to the controller start node.
- C- Add an order token in the callback URL and match the token against the one stored on the order.
- D- Add a session attribute and validate it on the callback.

Answer:

C

Explanation:

To enhance the security of the notification controller exposed for marking orders as paid, the recommended approach is to add an order-specific token to the callback URL (Answer C). This token should be verified against a stored value on the order to ensure the authenticity and integrity of the payment notification. This method prevents unauthorized use of the controller, as only callbacks

containing the correct, order-specific token would be allowed to mark orders as paid. This strategy is essential in maintaining secure and reliable transaction processes within Salesforce B2C Commerce.

Question 7

Question Type: MultipleChoice

A developer is checking for Cross Site Scripting (XSS) and found that the quick search is not escaped (allows inclusion of Javascript) in the following script:

```
<script>  
var searchPhrase = '${searchPhrase}';  
</script>
```

How would the developer resolve this issue?

Options:

A- Replace 'with double Quote*

B- Use <isprint value='\${searchPhrase}* encoding-'jshtm />

C- Use `<isprint value='${searchPhrase} encoding-'jsblock' />`

D- Use `<toprint value='${searchPhrase}' />`

Answer:

B

Explanation:

To resolve the issue of Cross Site Scripting (XSS) where the quick search is not escaped, the developer should use the `<isprint>` tag with the 'jshtml' encoding option (Answer B). This method ensures that any JavaScript included in the search phrase is properly escaped, preventing the execution of potentially malicious scripts. The 'jshtml' encoding is specifically designed to encode text for HTML contexts where JavaScript is embedded, providing a secure way to handle user input in Salesforce B2C Commerce.

Question 8

Question Type: MultipleChoice

An Architect is documenting the technical design for a single B2C Commerce storefront. The Client has a business requirement to provide pricing that is customized to specific groups:

* 50 different pricing groups of customers

* 30 different pricing groups of employees

* 10 different pricing groups of vendors

Which items should the Architect include in the design in order to set applicable price books based on these requirements''

Choose 2 answers

Options:

A- - 50 customer groups for customers- 30 customer groups for employees- 10 customer groups for vendors

B- - One customer group and SO subgroups for customers- One customer group and 30 subgroups for employees- Onecustomer group and 10 subgroups for vendors

C- - One campaign and multiple promotions for each customer group

D- - One promotion and 50 campaigns for customers- One promotion and 30 campaigns for employees- One promotion and 10 campaigns for vendors

Answer:

A, C

Explanation:

For handling multiple pricing groups with specific discounts or prices for different customer groups, the optimal approach involves setting up separate customer groups for customers, employees, and vendors (Answer A). This setup allows the storefront to apply specific price books to each group accurately based on their designation. Furthermore, utilizing campaigns and multiple promotions tailored to each customer group (Answer C) facilitates targeted marketing efforts and pricing strategies effectively. These practices ensure that each group receives relevant pricing adjustments and promotional offers, thereby enhancing the shopping experience and managing financial transactions efficiently within Salesforce B2C Commerce.

Question 9

Question Type: MultipleChoice

An Architect to notify by the Business that order conversion dramatically dropped a few hours after go live. Further investigation points out that customers cannot proceed to checkout anymore. The Architect is aware that a custom inventory checks with a third-party API is enforced at the beginning of checkout, and that customers are redirected to the basket page when items are no longer in stock

Which tool can clearly confirm that the problem is indeed caused by the inventory check?

Options:

A- Sales Dashboard from Reports and Dashboards

- B-** Service Status from Business Manager
- C-** Pipeline Profiler from Business Manager
- D-** Realtime Report from Reports and Dashboards

Answer:

C

Explanation:

The appropriate tool to verify that the problem is indeed caused by the inventory check at the beginning of checkout is the Pipeline Profiler in Business Manager. This tool allows an architect to analyze the performance of specific code execution paths, including those involving third-party API calls. It helps identify bottlenecks and inefficiencies in the pipeline execution, particularly useful in situations where custom code like inventory checks may impact site functionality. The use of the Pipeline Profiler would enable the architect to pinpoint if the custom inventory check is causing the checkout process to fail or redirect users inappropriately.

Question 10

Question Type: MultipleChoice

During code review, the Architect found that there is a service call on every visit of the product detail woe (PDP).

What best practices should the Architect ensure are followed for the service configuration?

Choose 2 answers

Options:

- A- Circuit breaker is enabled.
- B- Service timeout is set.
- C- Service mock up call is configured.
- D- Service logging is disabled.

Answer:

C

Explanation:

For logging practices in a complex LINK cartridge integration, the recommendation is:

Get logger for cartridge-specific category (C): This practice allows for more precise and relevant logging by focusing on the specific cartridge, making troubleshooting more efficient.

Report debug level message for the back-end asynchronous communication: This ensures that all detailed interactions are logged, providing valuable data for diagnosing issues.

Report all errors at error level message: This categorizes all critical issues under error logs, which is essential for quick identification and resolution of problems affecting the system's operations.

This structured logging strategy enhances the ability to monitor and troubleshoot the system effectively, especially in complex integrations where multiple components interact asynchronously.

Question 11

Question Type: MultipleChoice

The Client is Crowing and decided to migrate its ecommerce website to B2C Commerce. The Client provided the Architect with the f metrics for its existing website over the past 12 months and forecasted into the next year:

| | |
|------------------------------------|---------|
| Average visits per hour | 500 |
| Peak visits per hour | 1000 |
| Average page views per hour | 10000 |
| Peak page views per hour | 20000 |
| Average orders per hour | 100 |
| Peak orders per hour | 250 |
| Average items per order | 2.1 |
| Average order value | 300 USD |
| Expected growth percentage | 300 |

Noting these historical metrics and the forecasted growth of 300%, which load test targets meet best practices for testing the new B2C Commerce site?

Options:

- A-** 15000 visits per hour, 300000 page views per hour, and 3750 orders per hour
- B-** 150000 visits per hour, 3000000 page views per hour, and 37500 orders per hour
- C-** 1500 visits per hour, 30000 page views per hour, and 375 orders per hour
- D-** 3000 visits per hour, 60000 page views per hour, and 750 orders per hour

Answer:

A

Explanation:

Considering the existing metrics and forecasted 300% growth, the appropriate load testing targets for the new B2C Commerce site would be:

15000 visits per hour: This figure is calculated by applying the expected growth to the peak visits per hour (1000 visits), resulting in 4000 visits. The choice of 15000 provides a higher buffer to accommodate unforeseen spikes in traffic.

300000 page views per hour: Similarly, this is scaled up from the peak page views per hour (20000) considering the growth, ensuring the site can handle high demand and interactions.

3750 orders per hour: This target is based on the peak orders per hour (250) with the growth applied, allowing testing of the system's ability to handle transactions under significant load.

These targets ensure that the system is robust enough to handle increased traffic and transactions without performance degradation, crucial for maintaining customer satisfaction and operational stability.

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