Salesforce Certified Data Architect

1. Cloud Kicks has the following requirements:
- Their Shipment custom object must always relate to a Product, a Sender, and a Receiver (all separate custom objects).
- If a Shipment is currently associated with a Product, Sender, or Receiver, deletion of those records should not be allowed.
- Each custom object must have separate sharing models.
What should an Architect do to fulfill these requirements?

A. Associate the Shipment to each parent record by using a VLOOKUP formula field.

B. Create a required Lookup relationship to each of the three parent records.

C. Create a Master-Detail relationship to each of the three parent records.

D. Create two Master-Detail and one Lookup relationship to the parent records.

Answer(s): B

---

2. Universal Containers (UC) is planning to move away from legacy CRM to Salesforce. As part of one- time data migration, UC will need to keep the original date when a contact was created in the legacy system. How should an Architect design the data migration solution to meet this requirement?

A. After the data is migrated, perform an update on all records to set the original date in a standard CreatedDate field.

B. Create a new field on Contact object to capture the Created Date. Hide the standard CreatedDate field using Field -Level Security.

C. Enable "Set Audit Fields" and assign the permission to the user loading the data for the duration of the migration.

D. Write an Apex trigger on the Contact object, before insert event to set the original value in a standard CreatedDate field.

---

3. An architect has been asked to provide error messages when a future date is detected in a custom Birthdate _c field on the Contact object. The client wants the ability to translate the error messages.

What are two approaches the architect should use to achieve this solution? Choose 2 answers

☐ A. Implement a third -party validation process with translate functionality.

☐ B. Create a trigger on Contact and add an error to the record with a custom label.

☐ C. Create a workflow field update to set the standard ErrorMessage field.

☐ D. Create a validation rule and translate the error message with translation workbench.

---

4. What is an advantage of using Custom metadata type over Custom setting?

A. Custom metadata records are not copied from production to sandbox.

B. Custom metadata types are available for reporting.

C. Custom metadata records are deployable using packages.

D. Custom metadata records are editable in Apex.

---

5. Get Cloudy Consulting uses an invoicing system that has specific requirements. One requirement is that attachments associated with the Invoice_c custom object be classified by Types (i.e., ""Purchase Order"", ""Receipt"", etc.) so that reporting can be performed on invoices showing the number of attachments grouped by Type.

What should an Architect do to categorize the attachments to fulfill these requirements?

A. Add additional options to the standard ContentType picklist field for the Attachment object.

B. Add a ContentType picklist field to the Attachment layout and create additional picklist options.

C. Create a custom picklist field for the Type on the standard Attachment object with the values.

D. Create a custom object related to the Invoice object with a picklist field for the Type.

Answer(s): D

---

6. Universal Containers has a legacy system that captures Conferences and Venues. These Conferences can occur at any Venue. They create hundreds of thousands of Conferences per year. Historically, they have only used 20 Venues.
Which two things should the data architect consider when denormalizing this data model into a single Conference object with a Venue picklist? Choose 2 answers

A. Limitations on master -detail relationships.

B. Org data storage limitations.

C. Bulk API limitations on picklist fields.

D. Standard list view in -line editing.

Answer(s): C D

---

7. Universal Container (UC) has around 200,000 Customers (stored in Account object). They get 1 or 2 Orders every month from each Customer. Orders are stored in a custom object called "Order c"; this has about 50 fields. UC is expecting a growth of 10% year -over -year.
What are two considerations an architect should consider to improve the performance of SOQL queries that retrieve data from the Order _c object? Choose 2 answers

☐ A. Use SOQL queries without WHERE conditions.

☐ B. Work with Salesforce Support to enable Skinny Tables.

☐ C. Reduce the number of triggers on Order _c object.

☐ D. Make the queries more selective using indexed fields.

Answer(s): B D

---

8. Universal Containers (UC) provides shipping services to its customers. They use Opportunities to track customer shipments. At any given time, shipping status can be one of the 10 values. UC has 200,000 Opportunity records.
When creating a new field to track shipping status on opportunity, what should the architect do to improve data quality and avoid data skew?

A. Create a picklist field, values sorted alphabetically.

B. Create a Master -Detail to custom object ShippingStatus c.

C. Create a Lookup to custom object ShippingStatus c.

D. Create a text field and make it an external I

Answer(s): A

---

9. Universal Containers (UC) management has identified a total of ten text fields on the Contact object as important to capture any changes made to these fields, such as who made the change, when they made the change, what is the old value, and what is the new value. UC needs to be able to report on these field data changes within Salesforce for the past 3 months.
What are two approaches that will meet this requirement? Choose 2 answers

☐ A. Create a workflow to evaluate the rule when a record is created and use field update actions to store previous values for these ten fields in ten new fields.

☐ B. Write an Apex trigger on Contact after insert event and after update events and store the old values in another custom object.

Answer(s): B C

---

10. Universal Containers (UC) has an open sharing model for its Salesforce users to allow all its Salesforce internal users to edit all contacts, regardless of who owns the contact. However, UC management wants to allow only the owner of a contact record to delete that contact. If a user does not own the contact, then the user should not be allowed to delete the record. How should the architect approach the project so that the requirements are met?

A. Create a "before delete" trigger to check if the current user is not the owner.

B. Set the Sharing settings as Public Read Only for the Contact object.

C. Set the profile of the users to remove delete permission from the Contact object.

D. Create a validation rule on the Contact object to check if the current user is not the owner.

Answer(s): A

---

11. Universal Containers (UC) uses Salesforce for tracking opportunities (Opportunity). UC uses an internal ERP system for tracking deliveries and invoicing. The ERP system supports SOAP API and OData for bi-directional integration between Salesforce and the ERP system. UC has about one million opportunities. For each opportunity, UC sends 12 invoices, one per month. UC sales reps have requirements to view current invoice status and invoice amount from the opportunity page.
When creating an object to model invoices, what should the architect recommend, considering performance and data storage space?

A. Use Streaming API to get the current status from the ERP and display on the Opportunity page.

B. Create an external object Invoice _x with a Lookup relationship with Opportunity.

C. Create a custom object Invoice _c with a master -detail relationship with Opportunity.

D. Create a custom object Invoice _c with a Lookup relationship with Opportunity.

Answer(s): B

---

12. Universal Containers has a large number of Opportunity fields (100) that they want to track field history on.
Which two actions should an architect perform in order to meet this requirement? Choose 2 answers

A. Create a custom object to store a copy of the record when changed.

B. Create a custom object to store the previous and new field values.

C. Use Analytic Snapshots to store a copy of the record when changed.

D. Select the 100 fields in the Opportunity Set History Tracking page.

Answer(s): A B

---

13. DreamHouse Realty has a Salesforce org that is used to manage Contacts.
What are two things an Architect should consider using to maintain data quality in this situation? (Choose two.)

A. Use the private sharing model.

B. Use Salesforce duplicate management.

C. Use validation rules on new record create and edit.

D. Use workflow to delete duplicate records.

---

14. Universal Containers is looking to use Salesforce to manage their sales organization. They will be migrating legacy account data from two aging systems into Salesforce.
Which two design considerations should an architect take to minimize data duplication? Choose 2 answers

☐ A. Use a workflow to check and prevent duplicates.

☐ B. Clean data before importing to Salesforce.

☐ C. Use Salesforce matching and duplicate rules.

☐ D. Import the data concurrently.

Answer(s): B C

---

15. Universal Containers (UC) has a Salesforce instance with over 10.000 Account records. They have noticed similar, but not identical. Account names and addresses.
What should UC do to ensure proper data quality?

A. Use a service to standardize Account addresses, then use a 3rd -party tool to merge Accounts based on rules.

B. Run a report, find Accounts whose name starts with the same five characters, then merge those Accounts.

C. Enable Account de -duplication by creating matching rules in Salesforce, which will mass merge duplicate Accounts.

D. Make the Account Owner clean their Accounts' addresses, then merge Accounts with the same address.

Answer(s): C

---

16. Cloud Kicks stores Invoice records in a custom object. Invoice records are being sent to the Accounting department with missing States and incorrectly formatted Postal Codes.
Which two actions should Cloud Kicks take to improve data quality? (Choose two.)

A. Change each address field to required on the Page Layout.

B. Write an Apex Trigger to require all fields to be populated.

C. Utilize a Validation Rule with a REGEX operator on Postal Code.

D. Utilize a Validation Rule with a CONTAINS operator on address fields.

Answer(s): C D

---

17. Universal Containers (UC) has multi -level account hierarchies that represent departments within their major Accounts. Users are creating duplicate Contacts across multiple departments. UC wants to clean the data so as to have a single Contact across departments.
What two solutions should UC implement to cleanse their data? Choose 2 answers

A. Make use of a third -party tool to help merge duplicate Contacts across Accounts.

B. Use Data.com to standardize Contact address information to help identify duplicates.

C. Use Workflow rules to standardize Contact information to identify and prevent duplicates.

D. Make use of the Merge Contacts feature of Salesforce to merge duplicates for an Account.

Answer(s): A B

---

18. Universal Containers has defined a new Data Quality Plan for their Salesforce data and wants to know how they can enforce it throughout the organization.
Which two approaches should an architect recommend to enforce this new plan?
Choose 2 answers

A. Schedule a weekly dashboard displaying records that are missing information to be sent to managers for review.

B. Use Workflow, Validation Rules, and Force.com code (Apex) to enforce critical business processes.

C. Schedule reports that will automatically catch duplicates and merge or delete the records every week.

D. Store all data in an external system and set up an integration to Salesforce for view -only access.

Answer(s): A B

---

19. Universal Containers wants to implement a data -quality process to monitor the data that users are manually entering into the system through the Salesforce UI.
Which approach should the architect recommend?

A. Allow users to import their data using the Salesforce Import tools.

B. Utilize a 3rd -party solution from the AppExchange for data uploads.

C. Utilize an app from the AppExchange to create data -quality dashboards.

D. Use Apex to validate the format of phone numbers and postal codes.

Answer(s): C

---

20. A manager at Cloud Kicks is importing Leads into Salesforce and needs to avoid creating duplicate records.
Which two approaches should the manager take to achieve this goal? (Choose two.)

A. Acquire an AppExchange Lead de-duplication application.

B. Implement Salesforce Matching and Duplicate Rules.

C. Run the Salesforce Lead Mass de-duplication tool.

D. Create a Workflow Rule to check for duplicate records.

Answer(s): A B