MB2-498

Microsoft

Extending Microsoft Dynamics CRM 3.0

QUESTION: 1
You have been asked to create a web portal for your company's customers which allows each customer to view the data stored against their Microsoft CRM account, but not any other accounts. The company has over 1000 customers who may use this portal, and you want to minimize the licensing cost, while maintaining sufficient security. What users and licenses should you use for this scenario?

A. Create one Microsoft CRM user account with a Microsoft CRM client license that is used by all customers. Use this account for authentication in the portal and for accessing Microsoft CRM data.
B. Create a separate Microsoft CRM user account for each customer, each with a Microsoft CRM client license. Use each account for authentication in the portal and for accessing Microsoft CRM data.
C. Create a separate, non-Microsoft CRM authentication mechanism for each customer in the portal. Purchase a Microsoft CRM External Connector License. Create one proxy account which the portal uses to access Microsoft CRM data.
D. Create a separate, non-Microsoft CRM authentication mechanism for each customer in the portal. Retrieve Microsoft CRM data directly from the SQL database using filtered views, hence no Microsoft CRM licenses are required.

Answer: C

QUESTION: 2
Your company has a requirement that whenever a user creates a case in Microsoft CRM, a record is written to a custom application. As the custom application can be slow to update, you want to ensure that the code you write does not impact the Microsoft CRM user's experience. You also want to ensure that only data which is saved to Microsoft CRM is written to the custom application. How should you write the logic to update the custom application?

A. As a Pre-Callout.
B. As a Post-Callout.
C. Using client-side Java Script that runs on a form's OnSave event.
D. As a workflow assembly that is called from a workflow rule that runs on the Create event.

Answer: D

QUESTION: 3
You need to build some custom validation code that will force Microsoft CRM users to enter

values in certain fields of an oppportunity once its CloseProbability exceeds 50%. If a user fails to enter appropriate data an error message displays, and they are prevented from saving the opportunity. How can you achieve this? Choose the 2 that apply.

A. Use a Post-Callout.
B. Use a Pre-Callout.
C. Use client-side Java script.
D. Use a workflow assembly.

Answer: B, C

QUESTION: 4
You are creating an ASP .NET application to extend your company's Microsoft CRM implementation, and you want the application to resemble the Microsoft CRM application. How should you achieve this with the minimum effort, while ensuring your extensions are fully supported?

A. Reference the cascading style sheets used by the Microsoft CRM application.
B. Use the Microsoft CRM ASP .NET web controls within your custom pages.
C. Create .aspx web pages that inherit from the class Microsoft.Crm.Application.BasePage.
D. Use the styles in the cascading style sheet file template.css that is supplied with the Microsoft CRM 3.0 SDK.

Answer: D

QUESTION: 5
You are creating custom web pages that extend Microsoft CRM contact functionality, using the Microsoft CRM web service. You want your web pages to reflect any changes made to the Microsoft CRM entity and attribute display names. How should you do this, with the minimum of additional development work?

A. Read the display names from the Microsoft CRM web service MetadataService.
B. Read the display names from the Microsoft CRM web service CrmService.
C. Store all text in a satellite .Net assembly. Create a separate copy of the satellite assembly for each deployment with the relevant text.
D. Use .Net Reflection within your web pages to determine the entity and attribute display names at runtime from the WSDL generated by the Microsoft CRM web service.

Answer: A

QUESTION: 6
You want to display Microsoft CRM data within an ASP .Net DataGrid web control. It is important that only data the user has permission to see is displayed. Which of the following techniques can you use? Choose the 2 that apply.

A. Use the RetrieveMultiple method of the CrmService web service to retrieve the Microsoft CRM data as a BusinessEntityCollection, and bind this to the DataGrid.
B. Use the RetrieveMultiple method of the CrmService web service to retrieve the Microsoft CRM data as a DataSet, and bind this to the DataGrid.
C. Use the RetrieveMultiple method of the CrmService web service to retrieve the Microsoft CRM data as a BusinessEntityCollection. Use custom code to iterate through the BusinessEntityCollection to add the data to the DataGrid.
D. Use classes in the System.Data .Net Framework namespace to populate a DataSet with the results of a SQL query against Microsoft CRM filtered views. Bind this DataSet to the DataGrid.

Answer: C, D

QUESTION: 7
You are building a custom web application to update Microsoft CRM data via the Microsoft CRM platform. This data includes some numeric fields which may have maximum and minimum values applied within the Microsoft CRM schema; values which may be changed in the future. Your priority is for the custom application to offer a similar user experience to that of the Microsoft CRM application, including how users are notified of data validation errors. What is the best way to do this?

A. Use the MetadataService to identify the maximum and minimum permitted values. Use these values to apply data validation within the user interface.
B. Use the Microsoft CRM customization interface to find the current maximum and minimum permitted values.Store these values in a resource assembly, and update the resource assembly whenever the values are changed. Use these values to apply data validation within the user interface.
C. Use the MetadataService to identify the maximum and minimum permitted values.
Write a PreCallout to implement the data validation using these values, and to pass validation error messages to the user.
D. Do not do any data validation in the application. If the Microsoft CRM platform returns any errors, display them to the user.

Answer: A

QUESTION: 8
You have created a workflow .NET assembly and deployed the assembly dll to your company's Microsoft CRM server. You have local administrator rights on the server. What additional steps do you need to take to ensure you can debug the assembly on the server? Select two answers. Each correct answer forms part of the complete solution Choose the 2 that apply.

A. Deploy an up-to-date program database (pdb) to the server.
B. Add the assembly to the Global Assembly Cache.
C. Ensure a .Net Framework 1.1 debugger is installed on the server.
D. Ensure a .Net Framework 2.0 debugger is installed on the server.

Answer: A, C

QUESTION: 9
You have written a workflow assembly method which takes two parameters: StartDate is of type datetime, and AccountID is of type lookup, and expects an account entity. Neither parameter has a default value. How should you supply information about these parameters within workflow.config?

```
A. <parameter name="StartDate" datatype="datetime" />
<parameter name="AccountID" entityname="account" />
B. <parameter name="StartDate" datatype="datetime" />
<parameter name="AccountID" datatype="account" />
C. <parameter name="StartDate" datatype="datetime" />
<parameter name="AccountID" datatype="lookup" entityname="account" />
D. <parameter name="StartDate" entityname="datetime" />
<parameter name="AccountID" entityname="account" />
```

Answer: C

QUESTION: 10
You want to return multiple values from a method in a workflow .NET assembly. How should you do this?

A. Define multiple parameters as By Reference, and return values through these parameters.