



Microsoft

Exam Questions AZ-203

Developing Solutions for Microsoft Azure

NEW QUESTION 1

Create a DataSource instance and set its Container property to the DataContainer.

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 2

DRAG DROP

You are developing a solution for a hospital to support the following use cases:

- The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record
- Patient health monitoring data retrieved must be the current version or the prior version.
- After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.

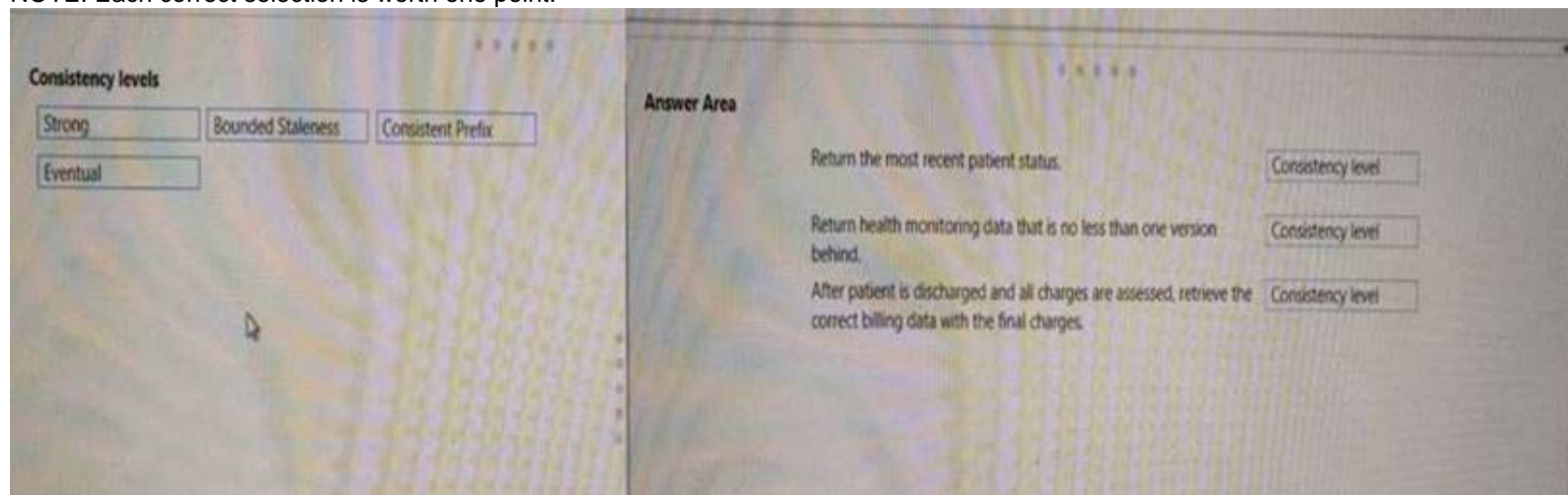
You provision a Cosmos DB NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent

You must minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required consistency guarantees for the scenarios.

You need to configure the consistency levels to support each scenario.

Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

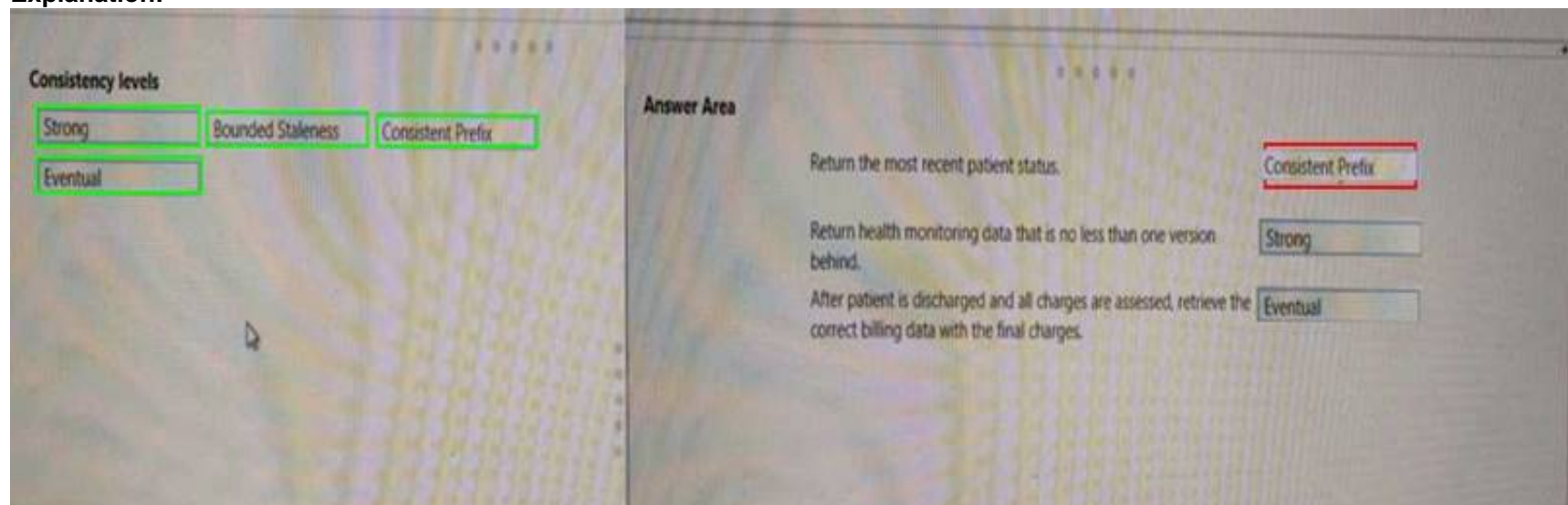
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 3

HOTSPOT

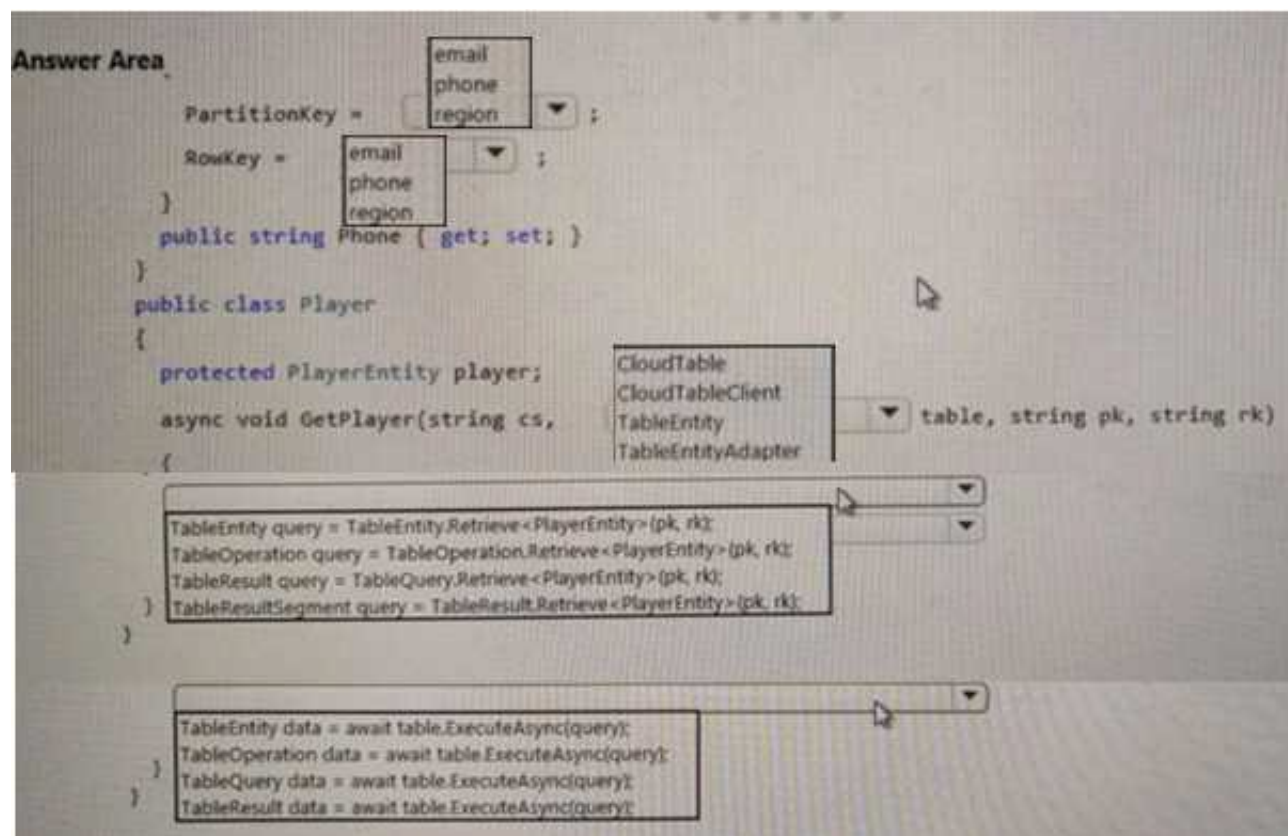
You are developing an app that manages users for a video game. You plan to store the region, email address, and phone number for the player. Some players may not have a phone number. The player's region will be used to load-balance data.

Data for the app must be stored in Azure Table Storage.

You need to develop code to retrieve data for an individual player.

How should you complete the code? To answer, select the appropriate options in the answer area.

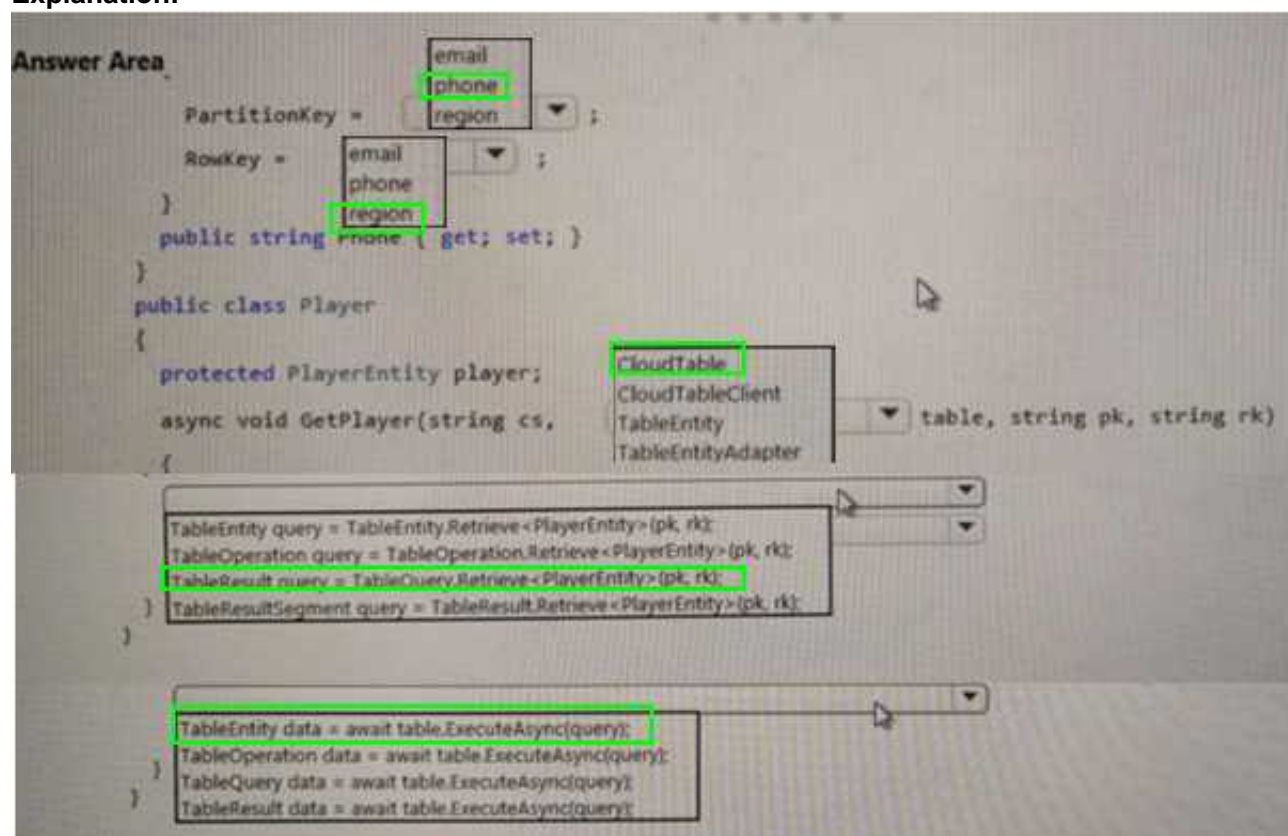
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 4

You are developing a software solution for an autonomous transportation system. The solution uses large data sets and Azure Batch processing to simulate navigation sets for entire fleets of vehicles.

You need to create compute nodes for the solution on Azure Batch. What should you do?

- A. In Python, implement the class: TaskAddParameter
- B. In Python, implement the class: JobAddParameter
- C. In the Azure portal, create a Batch account
- D. In a .NET method, call the method: batchClient.PoolOperations.CreatePool.

Answer: A

NEW QUESTION 5

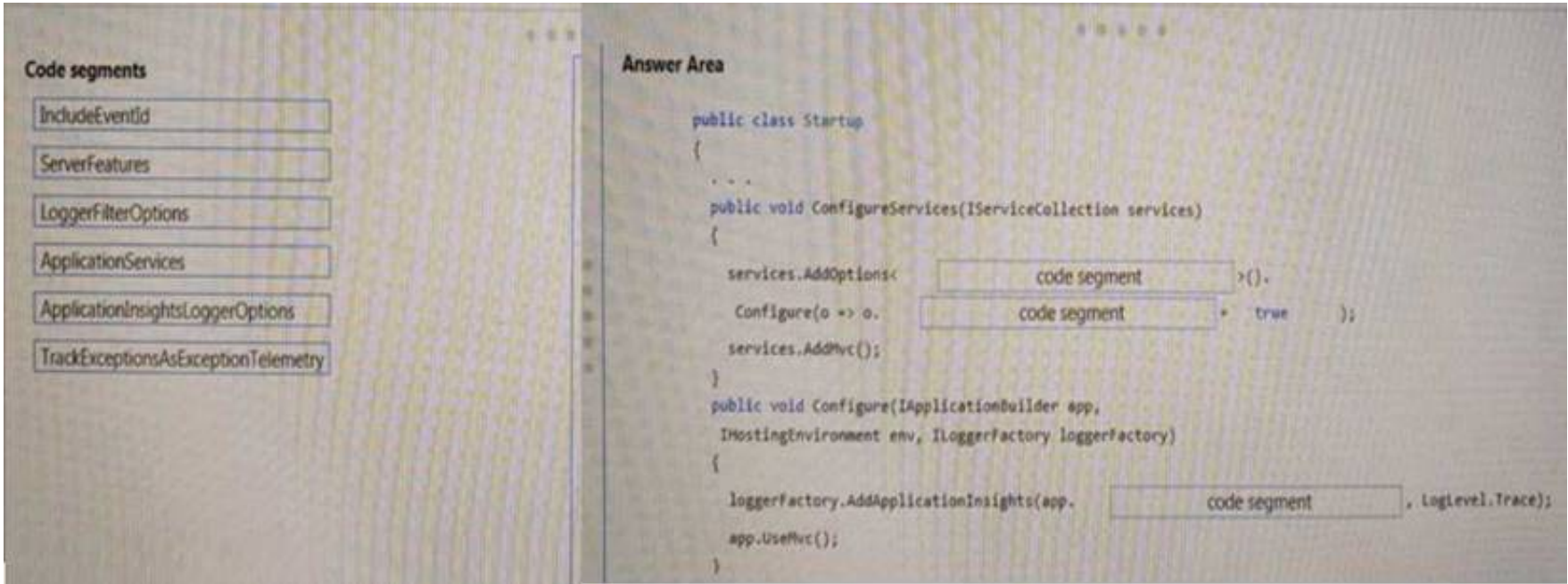
DRAG DROP

You are developing an ASP.NET Core Web API web service that uses Azure Application Insights to monitor performance and trade events

You need to enable logging and ensure that log messages can be correlated to events tracked by Application Insights.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

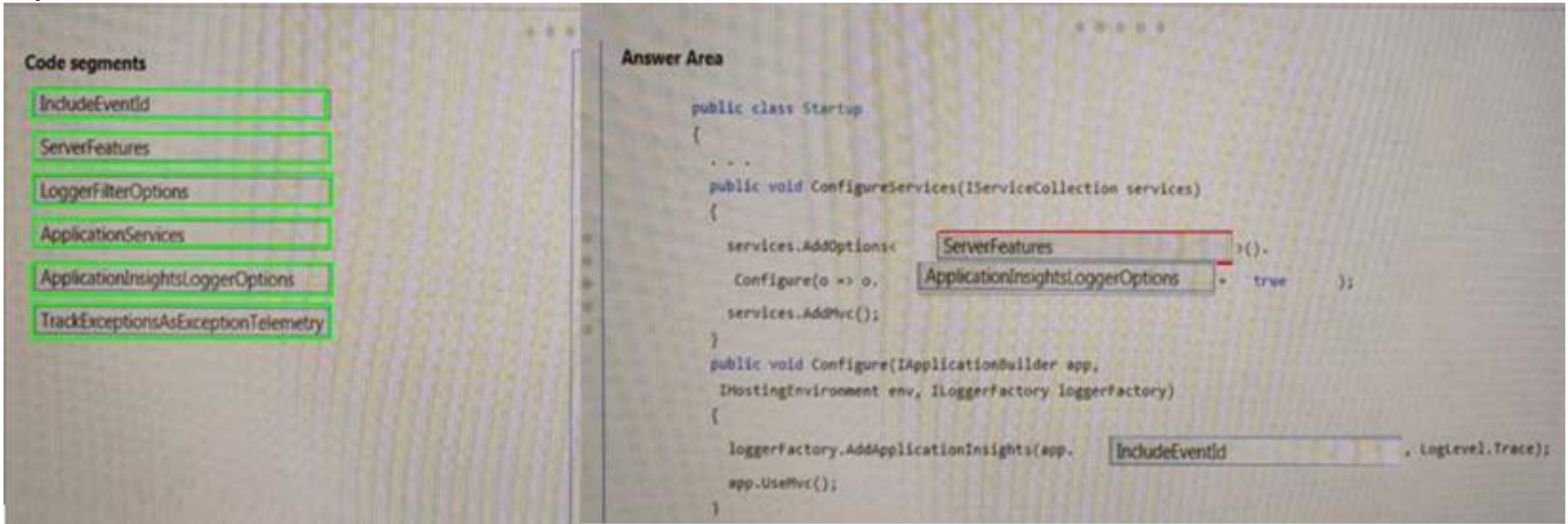
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

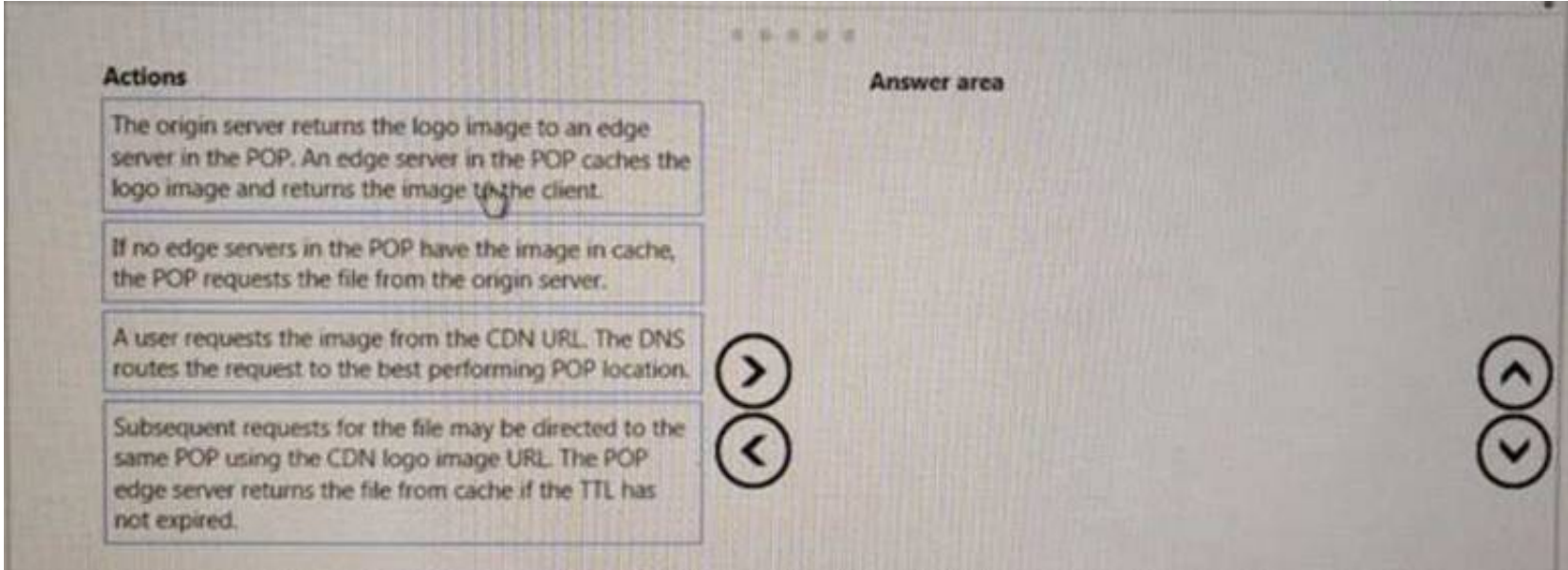


NEW QUESTION 6

DRAG DROP

Your company has several websites that use a company logo image. You use Azure Content Delivery Network (CDN) to store the static image. You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order.

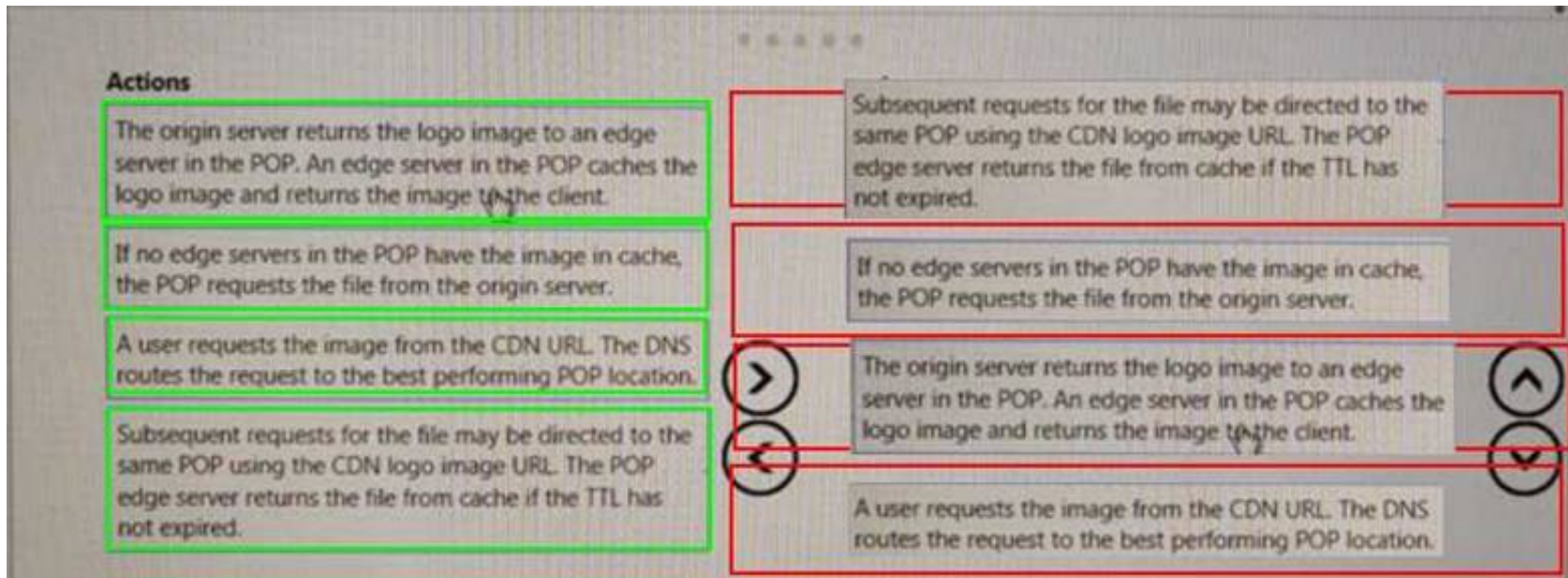
In which order do the actions occur? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7

HOTSPOT

You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance. This function is maintained by your company.

You write a new event subscription at the scope of your resource. The event must be invalidated after 3 specific period of time. You need to configure Event Grid to ensure security.

What should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point

Authentication	Type
WebHook event delivery	<div> <div></div> <div> SAS tokens Key authentication JWT token </div> </div>
Topic publishing	<div> <div></div> <div> ValidationCode handshake ValidationURL handshake Management Access Control </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: SAS tokens

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming, and is compatible with many existing webhook publishers.

In this case we need the expiration time provided by SAS tokens. Box 2: ValidationCode handshake

Event Grid supports two ways of validating the subscription:

ValidationCode handshake (programmatic) and ValidationURL handshake (manual).

If you control the source code for your endpoint, this method is recommended. Incorrect Answers:

ValidationURL handshake (manual): In certain cases, you can't access the source code of the endpoint to implement the ValidationCode handshake. For example, if you use a third-party service (like Zapier or IFTTT), you can't programmatically respond with the validation code.

References:

<https://docs.microsoft.com/en-us/azure/event-grid/security-authentication>

NEW QUESTION 8

You must implement Application Insights instrumentation capabilities utilizing the Azure Mobile Apps SDK to provide meaningful analysis of user interactions with a mobile app.

You need to capture the data required to implement the Usage Analytics feature of Application Insights. Which three data values should you capture? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one pant.

- A. Session Id
- B. Events

- C. User Id
- D. Exception
- E. Trace

Answer: ABC

NEW QUESTION 9

You need to meet the LabelMaker security requirement. What should you do?

- A. Create a conditional access policy and assign it to the Azure Kubernetes Service duster
- B. Place the Azure Active Directory account into an Azure AD grou
- C. Create a ClusterRoleBinding and assign it to the group.
- D. Create a Microsoft Azure Active Directory service principal and assign it to the Azure Kubernetes Service (AKS) duster.
- E. Create a RoleBinding and assign it to the Azure AD account.

Answer: D

NEW QUESTION 10

HOTSPOT

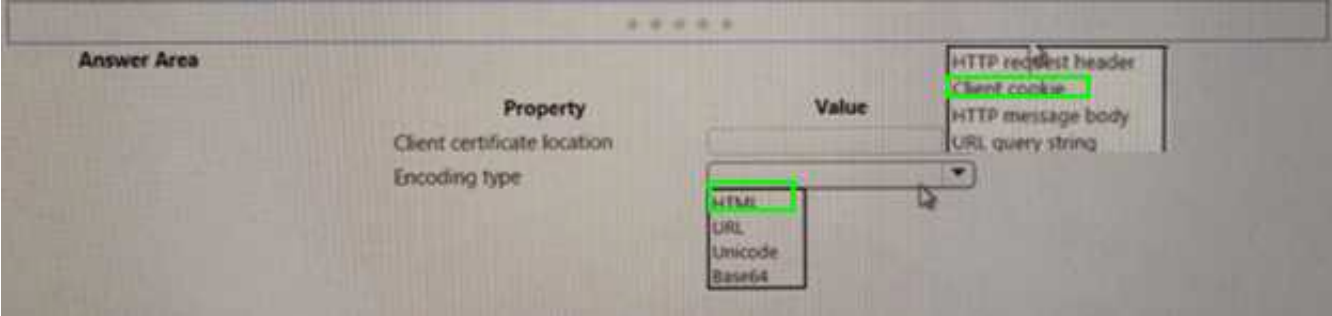
You are developing an Azure Web App. You configure TLS mutual authentication for the web app.
You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

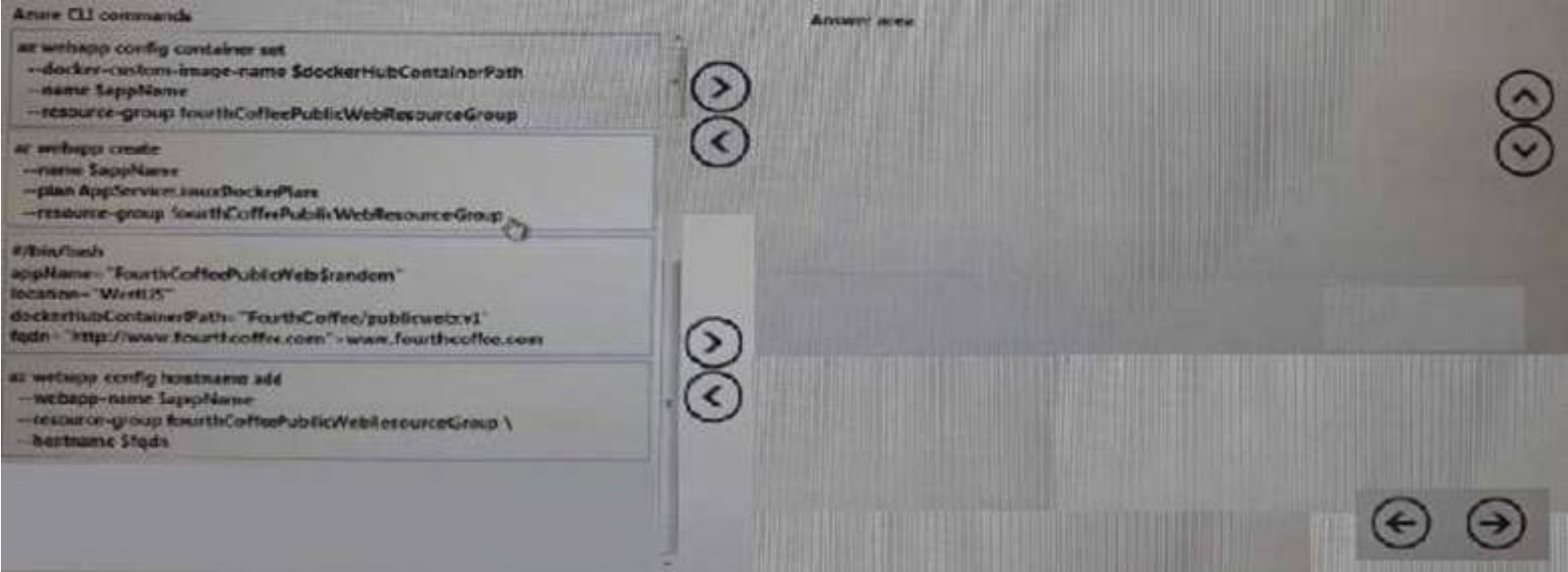
Explanation:



NEW QUESTION 10

DRAG DROP

Fourth Coffee has an ASP.NET Core web app that runs in Docker. The app is mapped to the www.fourthcoffee.com domain.
Fourth Coffee is migrating this application to Azure.
You need to provision an App Service Web App to host this docker image and map the custom domain to the App Service web app.
A resource group named FourthCoffeePublicWebResourceGroup has been created in the WestUS region that contains an App Service Plan named AppServiceLinuxDockerPlan.
Which order should the CLI commands be used to develop the solution? To answer, move all of the Azure CLI commands from the list of commands to the answer area and arrange them in the correct order.

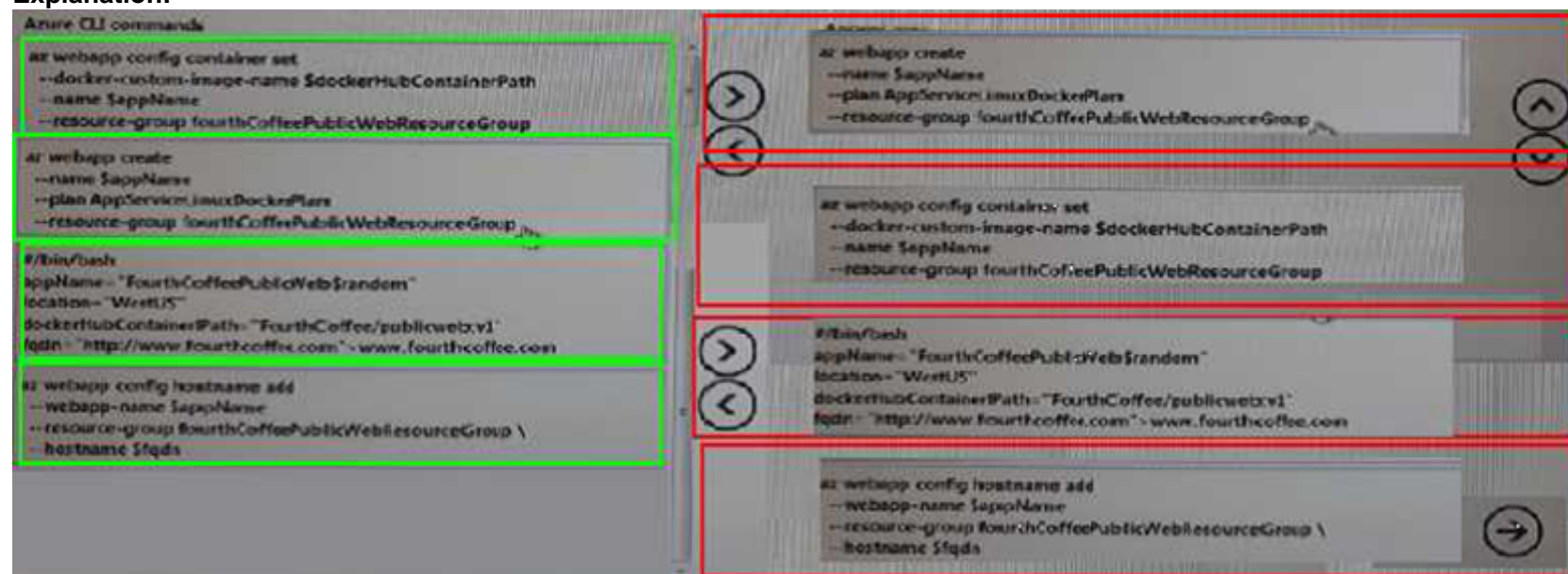


- A. Mastered

B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 13

You are developing a mobile instant messaging app for a company. The mobile app must meet the following requirements:

- Support offline data sync.
- Update the latest messages during normal sync cycles. You need to implement Offline Data Sync.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- Retrieve records from Offline Data Sync on every call to the PullAsync method.
- Retrieve records from Offline Data Sync using an Incremental Sync.
- Push records to Offline Data Sync using an Incremental Sync.
- Return the updatedAt column from the Mobile Service Backend and implement sorting by using the column.
- Return the updatedAt column from the Mobile Service Backend and implement sorting by the message id.

Answer: BD

NEW QUESTION 15

HOTSPOT

You are working for a company that designs mobile applications. They maintain a server where player records are assigned to their different games. The tracking system is new and in development.

The application uses Entity Framework to connect to an Azure Database. The database holds a Player table and Game table.

When adding a player, the code should insert a new player record, and add a relationship between an existing game record and the new player record.

The application will call CreatePlayerWithGame with the correct gameId and the playerId to start the process. (Line numbers are included for reference only.)

```

01. namespace ContosoCraft
02. {
03.     public class PlayerDbContext : DbContext
04.     {
05.         public PlayerDbContext() : base ("name=dbConnString" ) { }
06.         public DbSet<Player> Players { get ; set ; }
07.         public DbSet<Game> Games { get ; set ; }
08.         protected override void OnModelCreating(DbModelBuilder modelBuilder)
09.         {
10.             modelBuilder.Entity<Player>().HasMany(x => x.Games).WithMany(x => x.Players);
11.         }
12.     }
13.     internal sealed class dbConfiguration : DbMigrationsConfiguration<PlayerDbContext>
14.     {
15.         public dbConfiguration() { AutomaticMigrationsEnabled = true ; }
16.     }
17.     public class app
18.     {
19.         public void CreatePlayerWithGame(int playerId, int gameId) => AddPlayer(playerId, GetGame(gameId));
20.         public Game GetGame(int gameId)
21.         {
22.             using (var db = new PlayerDbContext())
23.             {
24.                 return db.Games.FirstOrDefault(x => x.GameId == gameId);
25.             }
26.         }
27.         public Player AddPlayer(int playerId, Game game)
28.         {
29.             using (var db = new PlayerDbContext())
30.             {
31.                 var player = new Player
32.                 {
33.                     PlayerId = playerId,
34.                     Games = new List<Game> { game },
35.                 };
36.                 db.Players.Add(player);
37.                 db.SaveChanges();
38.                 return player;
39.             }
40.         }
41.         public class Player
42.         {
43.             public int PlayerId { get ; set; }
44.             public string PlayerName { get ; set; }
45.             public virtual List<Game> Games { get ; set; }
46.         }
47.         public class Game
48.         {
49.             public int GameId { get ; set; }
50.             public string Title { get ; set; }
51.             public string Platform { get ; set; }
52.             public virtual List<Player> Players { get ; set; }
53.         }
54.     }

```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point

Answer Area

	Yes	No
The code will successfully insert a player record.	<input type="radio"/>	<input type="radio"/>
The code has a bug and will insert an additional copy of the Game record with a new Id.	<input type="radio"/>	<input type="radio"/>
The code has a bug and will insert the wrong gameId value.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Answer Area

	Yes	No
The code will successfully insert a player record.	<input checked="" type="radio"/>	<input type="radio"/>
The code has a bug and will insert an additional copy of the Game record with a new Id.	<input type="radio"/>	<input checked="" type="radio"/>
The code has a bug and will insert the wrong gameId value.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 19

DRAG DROP

You develop a gateway solution for a public facing news API. The news API back end is implemented as a RESTful sen/ice and hosted in an Azure App Service instance. You need to configure back-end authentication for the API Management service instance. Which target and gateway credential type should you use? To answer, drag the appropriate values to the correct parameters. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

	Configuration parameter	Value
Azure Resource	Target	value
HTTP(s) endpoint	Gateway credentials	value
Basic		
Client cert		

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

	Configuration parameter	Value
Azure Resource	Target	Azure Resource
HTTP(s) endpoint	Gateway credentials	HTTP(s) endpoint
Basic		
Client cert		

NEW QUESTION 20

HOTSPOT

A company runs an international travel and bookings management service. The company plans to begin offering restaurant bookings. You must develop a solution that uses Azure Search and meets the following requirements:

- Users must be able to search for restaurants by name, description, location, and cuisine.
- Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.
- All words in descriptions must be included in searches. You need to add annotations to the restaurant class.

How should you complete the code segment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
{
  [Key, IsFilterable]
  public int RestaurantId { get; set; }
  [IsSearchable, IsFilterable, IsSortable]
  public string Name { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Description { get; set; }
  public string Name { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Location { get; set; }
  public string Phone { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Description { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public double Rating { get; set; }
}
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

```
{
  [Key, IsFilterable]
  public int RestaurantId { get; set; }
  [IsSearchable, IsFilterable, IsSortable]
  public string Name { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Description { get; set; }
  public string Name { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Location { get; set; }
  public string Phone { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public string Description { get; set; }

  [IsSearchable, IsFilterable, IsSortable, IsFacetable]
  [IsFilterable, IsFacetable, Required]
  [IsSearchable]
  [IsSearchable, Required]
  public double Rating { get; set; }
}
```

NEW QUESTION 24

You develop a website. You plan to host the website in Azure. You expect the website to experience high traffic volumes after it is published. You must ensure that the website remains available and responsive while minimizing cost. You need to deploy the website. What should you do?

- A. Deploy the website to an App Service that uses the Shared service tier
 B. Configure the App Service plan to automatically scale when the CPU load is high.
 C. Deploy the website to a virtual machine
 D. Configure the virtual machine to automatically scale when the CPU load is high.
 E. Deploy the website to an App Service that uses the Standard service tier
 F. Configure the App Service plan to automatically scale when the CPU load is high.
 G. Deploy the website to a virtual machine
 H. Configure a Scale Set to increase the virtual machine instance count when the CPU load

Answer: C

NEW QUESTION 26

You need to meet the security requirements for the E-Commerce Web App. Which two steps should you take? Each correct answer presents part of the solution.
 NOTE: Each correct selection is worth one point.

- A. Create an Azure AD service principal.
- B. Enable Managed Service Identity (MSI) on the E-Commerce Web App.
- C. Add a policy to the Azure Key Vault to grant access to the E-Commerce Web App.
- D. Update the E-Commerce Web App with the service principal's client secret.

Answer: D

NEW QUESTION 27

You need to provision and deploy the order workflow.

Which three components should you include? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point

- A. Workflow definition
- B. Connections
- C. Resources
- D. Functions
- E. On-premises Data Gateway

Answer: CDE

NEW QUESTION 30

Note: This question is part of a series of questions that present the same scenario.

Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. You need to meet the LabelMaker application

Solution; Create a conditional access policy and assign it to the Azure Kubernetes service cluster.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Scenario: The LabelMaker applications must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster.

Before an Azure Active Directory account can be used with the AKS cluster, a role binding or cluster role binding needs to be created.

References:

<https://docs.microsoft.com/en-us/azure/aks/aad-integration>

NEW QUESTION 35

Note: In this section you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. More than one solution might solve the problem. It is also possible that none of the solutions solve the problem.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to meet the LabelMaker application security requirement. Solution: Create a RoleBinding and assign it to the Azure AD account. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Scenario: The LabelMaker applications must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster.

Permissions can be granted within a namespace with a RoleBinding, or cluster-wide with a ClusterRoleBinding.

References:

<https://kubernetes.io/docs/reference/access-authn-authz/rbac/>

NEW QUESTION 36

HOTSPOT

You need to meet the security requirements for external partners. Which Azure Active Directory features should you use?

To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Option
Authentication	B2C B2B Self-service signup Organizational Units (OU)
Login Auditing	Access review Risky sign-ins report Identity Protection Privileged Identity Management

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Option
Authentication	B2C B2B Self-service signup Organizational Units (OU)
Login Auditing	Access review Risky sign-ins report Identity Protection Privileged Identity Management

NEW QUESTION 37

You need to implement the e-commerce checkout API.
 Which three actions should you perform? Each correct answer presents part of the solution.
 NOTE: Each correct selection is worth one point.

- A. In the Azure Function App, enable Manger Service Identity (MSI).
- B. Set the function template's Mode property to Webhook and the Webhook type property to Generic JSON
- C. Set the function template's Mode property to Webhook and the Webhook type property to GitHub.
- D. Create an Azure Function using the HTTP POST function template.
- E. In the Azure Function App, enable Cross-Origin Resource Sharing (CORS) with all origins permitted.
- F. Create an Azure Function using the Generic webhook function template.

Answer: CDF

Explanation:

Case Study: 2
 Litware Inc
 Overview

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference infonnation that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, dick the Next button Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview Background

You are a developer for Litware Inc., a SaaS company that provides a solution for managing employee expenses. The solution consists of an ASP.NET Core Web

API project that is deployed as an Azure Web App.

Overall architecture

Employees upload receipts for the system to process. When processing is complete, the employee receives a summary report email that details the processing results. Employees then use a web application to manage their receipts and perform any additional tasks needed for reimbursement

Receipt processing

Employees may upload receipts in two ways:

- Uploading using an Azure Files mounted folder
- Uploading using the web application Data Storage

Receipt and employee information is stored in an Azure SQL database.

Documentation

Employees are provided with a getting started document when they first use the solution. The documentation includes details on supported operating systems for Azure File upload, and instructions on how to configure the mounted folder.

Solution details Users table

Column	Description
Userld	unique identifier for and employee
ExpenseAccount	employees expense account number in the format 1234-123-1234
AllowedAmount	limit of allowed expenses before approval is needed
Supervisorld	unique identifier for employee's supervisor
SecurityPin	value used to validate user identity

Web Application

You enable MSI for the Web App and configure the Web App to use the security principal name,

Processing

Processing is performed by an Azure Function that uses version 2 of the Azure Function runtime. Once processing is completed, results are stored in Azure Blob. Storage and an Azure SQL database. Then, an email summary is sent to the user with a link to the processing report. The link to the report must remain valid if the email is forwarded to another user.

Requirements Receipt processing

Concurrent processing of a receipt must be prevented.

Logging

Azure Application Insights is used for telemetry and logging in both the processor and the web application. The processor also has Trace Writer logging enabled.

Application Insights must always contain all log messages.

Disaster recovery

Regional outage must not impact application availability. All DR operations must not be dependent on application running and must ensure that data in the DR region is up to date.

Security

Users' SecurityPin must be stored in such a way that access to the database does not allow the viewing of SecurityPins. The web application is the only system that should have access to SecurityPins.

All certificates and secrets used to secure data must be stored in Azure Key Vault. You must adhere to the Least Privilege Principal.

All access to Azure Storage and Azure SQL database must use the application's Managed Service Identity (MSI).

Receipt data must always be encrypted at rest. All data must be protected in transit,

User's expense account number must be visible only to logged in users. All other views of the expense account number should include only the last segment, with the remaining parts obscured.

In the case of a security breach, access to all summary reports must be revoked without impacting other parts of the system.

Issues

Upload format issue

Employees occasionally report an issue with uploading a receipt using the web application. They report that when they upload a receipt using the Azure File Share, the receipt does not appear in their profile. When this occurs, they delete the file in the file share and use the web application, which returns a 500 Internal Server error page.

Capacity issue

During busy periods, employees report long delays between the time they upload the receipt and when it appears in the web application.

Log capacity issue

Developers report that the number of log messages in the trace output for the processor is too high, resulting in lost log messages-

Application code Processing.cs

Processing.cs

```
PC01 public static class Processing
PC02 {
PC03     public static class Function
PC04     {
PC05         [FunctionName ("IssueWork")]
PC06         public static async Task Run ([TimerTrigger("0 */5" *****)] TimerInfo timer, ILogger log)
PC07         {
PC08             var container = await GetCloudBlobContainer();
PC09             foreach (var fileItem in await ListFiles())
PC10             {
PC11                 var file = new CloudFile (fileItem.StorageUri.PrimaryUri);
PC12                 var ms = new MemoryStream();
PC13                 await file.DownloadToStreamAsync(ms);
PC14                 var blob = container.GetBlockBlobReference (fileItem.Uri.ToString());
PC15                 await blob.UploadFromStreamAsync(ms);
PC16             }
PC17         }
PC18     }
PC19     private static CloudBlockBlob GetDRBlob (CloudBlockBlob sourceBlob)
PC20     {
PC21         . . .
PC22     }
PC23     private static async Task<CloudBlobContainer> GetCloudBlobContainer()
PC24     {
PC25         var cloudBlobClient = new CloudBlobClient (new Uri(" . . ."), await GetCredentials());
PC26
PC27         await cloudBlobClient.GetRootContainerReference().CreatIfNotExistAsync();
PC28         return cloudBlobClient.GetRootContainerReference();
PC29     }
PC30     private static async Task<StorageCredentials> GetCredentials()
PC31     {
PC32         . . .
PC33     }
PC34     private static async Task<List<IListFileItem>> ListFiles()
PC35     {
PC36         . . .
PC37     }
PC37     private KeyVaultClient _keyVaultClient = new KeyVaultClient(" . . .");
PC38 }
PC39 }
```

Database.cs

```
DB01 public class Database
DB02 {
DB03     private string ConnectionString =
DB04
DB05     public async Task<object> LoadUserDetails(string userId)
DB06     {
DB07
DB08         return await policy.ExecuteAsync (async () =>
DB09         {
DB10             using (var connection = new SqlConnection (ConnectionString))
DB11             {
DB12                 await connection.OpenAsync();
DB13                 using (var command = new SqlCommand("_", connection))
DB14                 using (var reader = command.ExecuteReader())
DB15                 {
DB16                     -
DB17                 }
DB18             }
DB19         });
DB20     }
DB21 }
```

ReceiptUploader.cs


```
RU01 public class ReceiptUploader
RU02 {
RU03     public async Task UploadFile(string file, byte[ ] binary)
RU04     {
RU05         var httpClient = new HttpClient();
RU06         var response = await httpClient.PutAsync( "...", new ByteArrayContent(binary));
RU07         while (ShouldRetry (response))
RU08         {
RU09             response = await httpClient.PutAsync ( "...", new ByteArrayContent(binary));
RU10         }
RU11     }
RU12 private bool ShouldRetry(HttpResponseMessage response)
RU13 {
RU14
RU15 }
RU16 }
```

ConfigureSSE.ps1

```
CS01 $storageAccount = Get-AzureRmStorageAccount -ResourceGroupName "... " -AccountName "... "
CS02 $keyVault = Get-AzureRmKeyVault -VaultName "... "
CS03 $key = Get-AzureKeyVaultKey -VaultName $keyVault.VaultName -Name "... "
CS04 Set-AzureRmKeyVaultAccessPolicy'
CS05 -VaultName $keyVault.VaultName'
CS06 -ObjectId $storageAccount.Identity.PrincipalId'
CS07
CS08
CS09 Set-AzureRmStorageAccount''
CS10 -ResourceGroupName $storageAccount.ResourceGroupName'
CS11 -AccountName $storageAccount.StorageAccountName'
CS12 -EnableEncryptionService File '
CS13 -KeyvaultEncryption'
CS14 -KeyName $key.Name
CS15 -KeyVersion $key.Version'
CS16 -KeyVaultUri $keyVault.VaultUri
```

NEW QUESTION 39

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

You need to ensure that the SecurityPin security requirements are met.

Solution: Enable Always Encrypted for the SecurityPin column using a certificate contained in Azure Key Vault and grant the WebAppIdentity service principal access to the certificate.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 42

HOTSPOT

You need to configure retries in the LoadUserDetails function in the Database class without impacting user experience.

What code should you insert on line DB07?

To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

var policy=

Policy
 RetryPolicy
 RetryOptions
 ReconnectRetryPolicy

.Handle<Exception>()

.Retry(3);
 .CircuitBreaker(3, TimeSpan.FromMilliseconds(100));
 .WaitAndRetryAsync(3, i => TimeSpan.FromMilliseconds(100));
 .WaitAndRetryAsync(3, i => TimeSpan.FromMilliseconds(100 * Math.Pow(2, i - 1)));

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Policy

RetryPolicy retry = Policy

.Handle<HttpRequestException>()

.Retry(3);

The above example will create a retry policy which will retry up to three times if an action fails with an exception handled by the Policy.

Box 2: WaitAndRetryAsync(3, i => TimeSpan.FromMilliseconds(100 * Math.Pow(2, i - 1)));

A common retry strategy is exponential backoff: this allows for retries to be made initially quickly, but then at progressively longer intervals, to avoid hitting a subsystem with repeated frequent calls if the subsystem may be struggling.

Example: Policy

.Handle<SomeExceptionType>()

.WaitAndRetry(3, retryAttempt => TimeSpan.FromSeconds(Math.Pow(2, retryAttempt))

);

References:

<https://github.com/App-vNext/Polly/wiki/Retry>

NEW QUESTION 43

You need to resolve the log capacity issue. What should you do?

- A. Implement Application Insights Sampling.
- B. Change the minimum log level in the host.json file for the function.
- C. Create an Application Insights Telemetry Filter.
- D. Set a LogCategoryFilter during startup.

Answer: A

NEW QUESTION 48

DRAG DROP

You need to add code at line PC32 in Processing.es to implement the GetCredentials method in the Processing class.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Code segments

MSITokenProvider(". . .", null)

tp.GetAccessTokenAsync(". . .")

AzureServiceTokenProvider()

StringTokenProvider("storage", "msi")

tp.GetAuthenticationHeaderAsync(CancellationTokens.None)

Answer Area

var tp = new

code segment

var t = new TokenCredential(await

return new StorageCredential(t);

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code segments

```
MSITokenProvider(". . .", null)
tp.GetAccessTokenAsync(". . .")
AzureServiceTokenProvider()
StringTokenProvider("storage", "msi")
tp.GetAuthenticationHeaderAsync(CancellationToken.None)
```

Answer Area

```
var tp = new AzureServiceTokenProvider()
var t = new TokenCredential(a StringTokenProvider("storage", '
return new StorageCredential(t);
```

NEW QUESTION 50

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to ensure that authentication events are triggered and processed according to the policy.

Solution: Create separate Azure Event Grid topics and subscriptions for sign-in and sign-out events.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 55

You need to resolve a notification latency issue.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point

- A. Ensure that the Azure Function is using an App Service plan.
- B. Set Always On to false
- C. Ensure that the Azure Function is set to use a consumption plan.
- D. Set Always On to true.

Answer: AD

Explanation:

Azure Functions can run on either a Consumption Plan or a dedicated App Service Plan. If you run in a dedicated mode, you need to turn on the Always On setting for your Function App to run properly. The Function runtime will go idle after a few minutes of inactivity, so only HTTP triggers will actually "wake up" your functions. This is similar to how WebJobs must have Always On enabled.

Scenario: Notification latency: Users report that anomaly detection emails can sometimes arrive several minutes after an anomaly is detected.

Anomaly detection service: You have an anomaly detection service that analyzes log information for anomalies. It is implemented as an Azure Machine Learning model. The model is deployed as a web service.

If an anomaly is detected, an Azure Function that emails administrators is called by using an HTTP WebHook.

References:

<https://github.com/Azure/Azure-Functions/wiki/Enable-Always-On-when-running-on-dedicated-App-Service-Plan>

NEW QUESTION 58

You need to ensure that the solution can meet the scaling requirements for Policy Service. Which Azure Application Insights data model should you use?

- A. an Application Insights metric
- B. an Application Insights dependency
- C. an Application Insights trace
- D. an Application Insights event

Answer: D

NEW QUESTION 62

You need to meet the scaling requirement for Policy Service. What should you store in Azure Redis Cache?

- A. HttpContext.Items
- B. ViewState
- C. Session state
- D. TempData

Answer: C

NEW QUESTION 67

You need to resolve the Policy Loss issue.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Add an Azure Event Hu
- B. Send the policy to the event hu

- C. Configure the Policy service to read actions from the event hub.
- D. Add an Azure Service Bus queue
- E. Send the policy to the queue
- F. Configure the Policy service to read actions from the queue.
- G. Add an Azure Queue storage queue
- H. Send the policy to the queue
- I. Configure the Policy service to read actions from the queue.
- J. Add an Azure Service Bus topic
- K. Send the policy to the topic
- L. Configure the Policy service to read actions from the topic.

Answer: BD

NEW QUESTION 70

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You need to meet the vendor notification requirement.

Solution: Update the Delivery API to send emails by using a cloud -based email service.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 71

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution Determine whether the solution meets the stated goals.

You need to meet the vendor notification requirement.

Solution: Configure notifications in the Azure API Management instance. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a custom outbound Azure API Management policy. Scenario:

If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.

(API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.)

References:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-policies>

NEW QUESTION 76

You need to update the chatbot to greet the user when they sign in.

Which two rich card formats can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

- A. Thumbnail
- B. Adaptive
- C. Sign-in
- D. Hero
- E. Animation

Answer: AC

Explanation:

Scenario: The chatbot greeting interface must match the formatting of the following example:

Welcome to the Restaurant!



John Doe

Sun, Aug 26, 2018

Welcome to Best For You Organics Company! How can we help you today?

Specials: Chicken Marsala

Order Pickup

Order Delivery

A message exchange between user and bot can contain one or more rich cards rendered as a list or carousel. The Attachments property of the Activity object contains an array of Attachment objects that represent the rich cards and media attachments within the message.

The Bot Framework currently supports eight types of rich cards:

?Thumbnail Card. A card that typically contains a single thumbnail image, one or more buttons, and text.

?SignIn Card. A card that enables a bot to request that a user sign-in. It typically contains text and one or more buttons that the user can click to initiate the sign-in process.

Incorrect Answers:

B: Animation Card. A card that can play animated GIFs or short videos.

C Hero Card. A card that typically contains a single large image, one or more buttons, and text.

E: Adaptive Card. A customizable card that can contain any combination of text, speech, images, buttons, and input fields.

Note:

?Receipt Card. A card that enables a bot to provide a receipt to the user. It typically contains the list of items to include on the receipt, tax and total information, and other text.

?Video Card. A card that can play videos. References:

<https://docs.microsoft.com/en-us/azure/bot-service/dotnet/bot-builder-dotnet-add-rich-card-attachments?view=azure-bot-service-3.0>

NEW QUESTION 81

You need to resolve the delivery API error. What should you do?

A. Implement simple retry by using the EnableRetryOnFailure feature of Entity Framework.

B. Implement exponential backoff by using the EnableRetryOnFailure feature of Entity Framework.

C. Implement the Circuit Breaker pattern by using the EnableRetryOnFailure feature of Entity Framework.

D. Invoke accustom execution strategy in Entity Framework.

Answer: A

Explanation:

Scenario: The Delivery API intermittently throws the following exception:

```
"System.Data.Entity.Core.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details. --->System.Data.SqlClient.SqlException: A transport-level error has occurred when receiving results from the server. (provider: Session Provider, error: 19 - Physical connection is not usable)"
```

A useful method to get rid of this error is to use RETRY LOGIC of Entity Framework 1.1.0

services.AddDbContext<DbContext>(options => options.UseSqlServer('yourconnectionstring',

...sqlServerOptionsAction: sqlOptions =>

...{

.....sqlOptions.EnableRetryOnFailure(

.....maxRetryCount: 5,

.....maxRetryDelay: TimeSpan.FromSeconds(30),

.....errorNumbersToAdd: new List<int>() { 19 });

...}});

In Retry logic, error 19 is not included. So you have to pass the error code 19 to set retry logic for error code 19.

References:

<https://stackoverflow.com/questions/47558062/error-19-physical-connection-error/47559967>

NEW QUESTION 85

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