AZ-203 Q&As

Developing Solutions for Microsoft Azure

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QUESTION 1

You use Azure Table storage to store customer information for an application. The data contains customer details and is partitioned by last name.

You need to create a query that returns all customers with the last name Smith.

Which code segment should you use?

A. TableQuery.GenerateFilterCondition("PartitionKey", Equals, "Smith")

B. TableQuery.GenerateFilterCondition("LastName", Equals, "Smith")

C. TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith")

D. TableQuery.GenerateFilterCondition("LastName", QueryComparisons.Equal, "Smith")

Correct Answer: C

Retrieve all entities in a partition. The following code example specifies a filter for entities where \\'Smith\\' is the partition key. This example prints the fields of each entity in the query results to the console. Construct the query operation for all customer entities where PartitionKey="Smith".

TableQuery query = new TableQuery().Where(TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith")); References: https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet

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QUESTION 2

You need to construct the link to the summary report for the email that is sent to users.

What should you do?

A. Create a SharedAccessBlobPolicy and add it to the containers SharedAccessPolicies. Call GetSharedAccessSignature on the blob and use the resulting link.

B. Create a SharedAccessBlobPolicy and set the expiry time to two weeks from today. Call GetSharedAccessSignature on the blob and use the resulting link.

C. Create a SharedAccessAccountPolicy and call GetsharedAccessSignature on storage account and use the resulting link.

D. Create a SharedAccessBlobPolicy and set the expiry time to two weeks from today. Call GetSharedAccessSignature on the container and use the resulting link.

Correct Answer: B

QUESTION 3

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.

Hot Area:

Answer Area

Correct Answer:

Answer Area

QUESTION 4

HOTSPOT You have an app that stores player scores for an online game. The app stores data in Azure tables using a class named PlayerScore as the table entity. The table is populated with 100,000 records. You are reviewing the following section of code that is intended to retrieve 20 records where the player score exceeds 15,000. (Line numbers are included for reference only.)

```
1  public void GetScore(string playerId, int score, string gameName)
2  {
3    TableQuery<DynamicTableEntity> query = new TableQuery<DynamicTableEntity>().Select(new string[] { "Score" })
      .Where(TableQuery.GenerateFilterConditionForInt("Score", QueryComparisons.GreaterThanOrEqual, 15000)).Take(20);
4    EntityResolver<KeyValuePair<string, int?>> resolver =
      (partitionKey, rowKey, ts, props, etag) => new KeyValuePair<string, int?>(rowKey, props["Score"].Int32Value);
5    foreach (var scoreItem in scoreTable.ExecuteQuery(query, resolver, null, null))
6    {
       Console.WriteLine($"{scoreItem.Key} {scoreItem.Value}");
7    }

9  public class PlayerScore : TableEntity
10 {
11   public PlayerScore(string gameId, string playerId, int score, long timePlayed)
12   {
13     PartitionKey = gameId;
14     RowKey = playerId;
15     Score = score;
16     TimePlayed = timePlayed;
17    }
18    public int Score { get; set; }
19    public long TimePlayed { get; set; }
20 }
```

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

Hot Area:

Answer Area

	Yes	No
The code queries the Azure table and retrieves the TimePlayed property from the table.	○	○
The code will display a maximum of twenty records.	○	○
All records will be sent to the client. The client will display records for scores greater than or equal to 15,000.	○	○

Correct Answer:

Answer Area

	Yes	No
The code queries the Azure table and retrieves the TimePlayed property from the table.	○	●
The code will display a maximum of twenty records.	●	○
All records will be sent to the client. The client will display records for scores greater than or equal to 15,000.	●	○

QUESTION 5

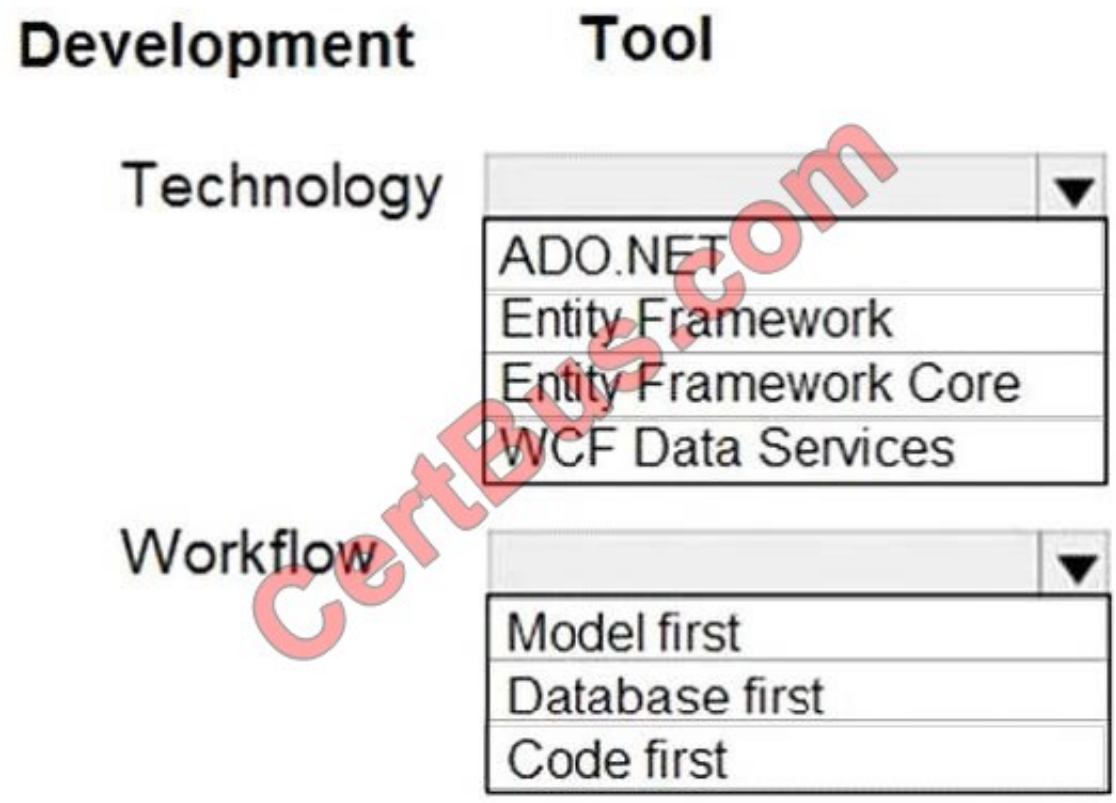
HOTSPOT

You need to update the Inventory API.

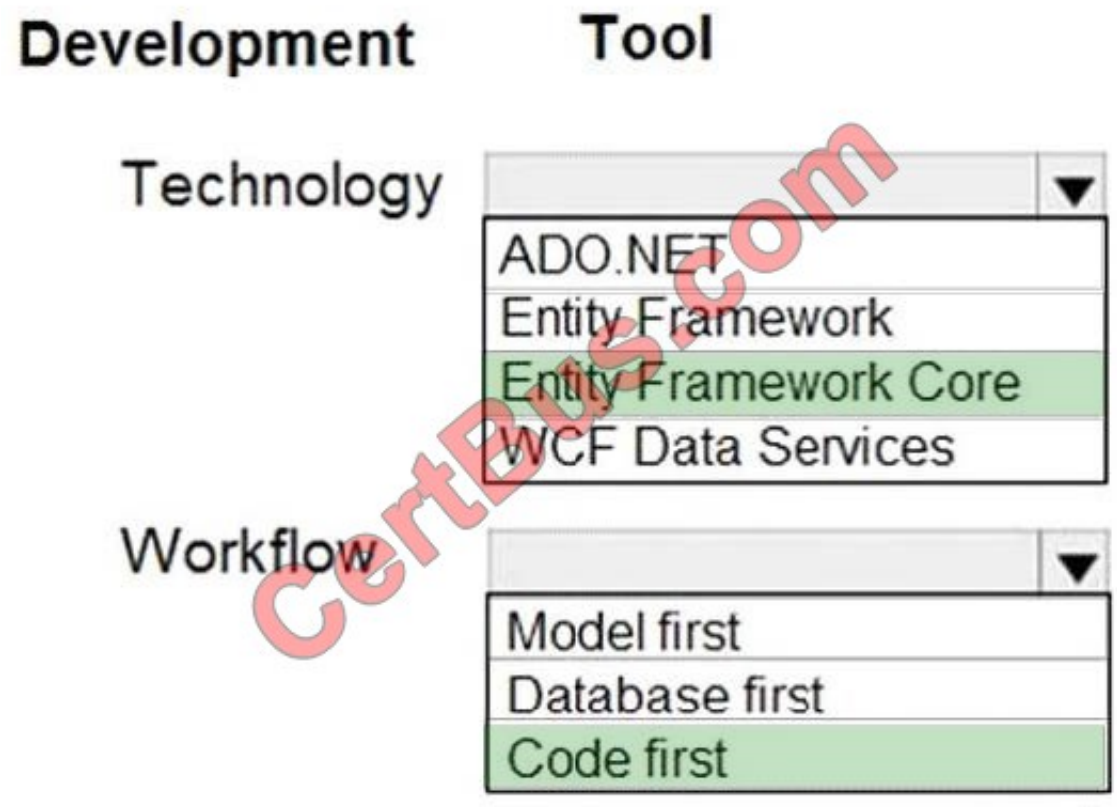
Which development tools should you use? To answer, select the appropriate options in the answer area;

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Scenario: The Inventory API must be written by using ASP.NET Core and Node.js. Box 1: Entity Framework Core Box 2: Code first References: https://docs.microsoft.com/en-us/aspnet/mvc/overview/getting-started/getting-started-with-ef-using-mvc/creating-an-entity-framework-data-model-for-an-asp-net-mvc-application

QUESTION 6

You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.

You need to ensure that dependency tracking works for calls to the third-party database.

Which two Dependency Telemetry properties should you store in the database? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Telemetry.Context.Operation.Id

B. Telemetry.Name

C. Telemetry.Context.Cloud.RoleInstance

D. Telemetry.Context.Session.Id

E. Telemetry.Id

Correct Answer: AE

References: https://docs.microsoft.com/en-us/azure/azure-monitor/app/custom-operations-tracking

QUESTION 7

HOTSPOT

You have an app that stores player scores for an online game. The app stores data in Azure tables using a class named PlayerScore as the table entity. The table is populated with 100,000 records.

You are reviewing the following section of code that is intended to retrieve 20 records where the player score exceeds 15,000. (Line numbers are included for reference only.)

```
1 public void GetScore(string.playerId, int score, string gameName)
2 {
3    Table Query<DynamicTableEntity> query – new TableQuery<DynamicTableEntity>().Select(new.string[.] { "Score" })
       .Where(TableQuery.GenerateFilterConditionForInt("Score", QueryComparisons.GretaerThanOrEqual, 15000)).Take
(20);
4    EntityResolver<KeyValuePair<string, int?>> resolver =
      (partitionKey, rowKey, ts, props, etag) => new KeyValuePair<string, int?>(rowKey, props["Score"].Int32Value);
5    foreach (var scoreItem in scoreTable.ExecuteQuery (query, resolver, null, null))
6    {
      Console.Writeline($"{scoreItem.Key} {scoreItem.Value}");
7    }
8   }

9  public class PlayerScore : TableEntity
10 {
11   public PlayerScore(string gameId, string playerId, int score, long timePlayed)
12   {
13     PartitionKey = gameId;
14     RowKey = playerId;
15     Score = score;
16     TimePlayed = timePlayed;
17   }
18   public int Score { get; set; }
19   public long TimePlayed { get; set; }
20   }
```


You have the following code. (Line numbers are included for reference only.)

```
01 public void SaveScore(string gameId, string playerId, int score, long timePlayed)
02 {
03   CloudStorageAccount storageAccount = CloudStorageAccount.Parse(connectionString);
04   CloudTableClient tableClient = storageAccount.CreateCloudTableClinet();
05   CloudTable table = tableClient.GetTableReference("scoreTable");
06   table.CreateIfNotExists();
07   var scoreRecord = new PlayerScore(gameId, playerId, score, timePlayed);
08   TableOperation insertOperation = TableOperation.Insert(scoreRecord);
09   table.Execute(insertOperation);
10  }
11  public class PlayerScore : TableEntity
12 {
13   public PlayerScore(string gameId, string playerId, int score, long timePlayed)
14   {
15     this.PartitionKey = gameId;
16     this.RowKey = playerId;
17   Score = score;
18   TimePlayed = timePlayed;
19   }
20   public int Score { get; set; }
21   public long TimePlayed { get; set; }
22 }
```

You store customer information in an Azure Cosmos database. The following data already exists in the database:

PartitionKey	RowKey	Email
Harp	Walter	wharp@contoso.com
Smith	Steve	ssmith@contoso.com
Smith	Jeff	jsmith@contoso.com

You develop the following code. (Line numbers are included for reference only.)

```
01   CloudTableClient tableClient = account.CreateCloudTableClient();
02   CloudTable table = tableClient.GetTableReference("people");
03   TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>()
04    .Where(TableQuery.CombineFilters(
05   TableQuery.Generate.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "Smith")
06   TableOperators.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal,
"ssmith@contoso.com")
07   ));
08   await table.ExecuteQuerySegmentedAsync<CustomerEntity>(query, null);
```

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

Hot Area:

	Yes	No
The code returns every Record where the surname equals Smith.	○	○
The table endpoint https://<mytableendpoint>/People (PartitionKey='Smith',RowKey='Steve')returns the same results as the code.	○	○

Correct Answer:

	Yes	No
The code returns every Record where the surname equals Smith.	○	●
The table endpoint https://<mytableendpoint>/People (PartitionKey='Smith',RowKey='Steve')returns the same results as the code.	●	○

QUESTION 8

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

Margie\\'s Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.

Solution:

1.

Create a SearchIndexClient object to connect to the search index

2.

Create an IndexBatch that contains the documents which must be added.

3.

Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

1.

The index needs to be populated. To do this, we will need a SearchIndexClient. There are two ways to obtain one: by constructing it, or by calling Indexes.GetClient on the SearchServiceClient. Here we will use the first method.

2.

Create the indexBatch with the documents

Something like:

```
var hotels = new Hotel[];
{
new Hotel()
{
HotelId = "3",
BaseRate = 129.99,
Description = "Close to town hall and the river"
}
};
...
var batch = IndexBatch.Upload(hotels);
```

3.

The next step is to populate the newly-created index

Example:

var batch = IndexBatch.Upload(hotels);

try { indexClient.Documents.Index(batch); }

References: https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk

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QUESTION 9

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.

Correct Answer: A

QUESTION 10

You are a developer for a SaaS company that offers many web services.

All web services for the company must meet the following requirements:

Use API Management to access the services

Use OpenID Connect for authentication.

Prevent anonymous usage

A recent security audit found that several web services can be called without any authentication.

Which API Management policy should you implement?

A. validate-jwt

B. jsonp

C. authentication-certificate

D. check-header

Correct Answer: A

Add the validate-jwt policy to validate the OAuth token for every incoming request. Incorrect Answers:

B: The jsonp policy adds JSON with padding (JSONP) support to an operation or an API to allow cross-domain calls from JavaScript browser-based clients. JSONP is a method used in JavaScript programs to request data from a server in a different domain. JSONP bypasses the limitation enforced by most web browsers where access to web pages must

be in the same domain.

JSONP - Adds JSON with padding (JSONP) support to an operation or an API to allow cross-domain calls from JavaScript browser-based clients. References:https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad

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QUESTION 11

account.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

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/

QUESTION 12

DRAG DROP

You have an application that provides weather forecasting data to external partners.

You use Azure API Management to publish APIs.

You must change the behavior of the API to meet the following requirements:

Support alternative input parameters.

Remove formatting text from responses.

Provide additional context to back-end services.

Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy type 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.

Select and Place:

Correct Answer:

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