AZ-203^{Q&As}

Developing Solutions for Microsoft Azure

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QUESTION 1

DRAG DROP

You develop an ASP.NET Core MVC application. You configure the application to track webpages and custom events.

You need to identify trends in application usage.

Which Azure Application Insights Usage Analysis features should you use? To answer, drag the appropriate features to the correct requirements. Each feature 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:

Answer Area

Features	Requirement	Feature
Users	Which pages visited by users most often correlate to a product purchase?	
Funnels	How does load time of the product display page affect a user's decision to purchase a product?	
Impact	Which events most influence a user's decision to continue to use the application?	
Retention		
User Flows	Are there places in the application that users often perform repetitive actions?	

Correct Answer:

Answer Area

Features	Requirement	Feature
	Which pages visited by users most often correlate to a product purchase?	Users
Funnels	How does load time of the product display page affect a user's decision to purchase a product?	Impact
	Which events most influence a user's decision to continue to use the application?	Retention
	Are there places in the application that users often perform repetitive actions?	User Flows

Box1: Users

Box 2: Impact

One way to think of Impact is as the ultimate tool for settling arguments with someone on your team about how slowness in some aspect of your site is affecting whether users stick around. While users may tolerate a certain amount of

slowness, Impact gives you insight into how best to balance optimization and performance to maximize user conversion.

Box 3: Retention

The retention feature in Azure Application Insights helps you analyze how many users return to your app, and how often they perform particular tasks or achieve goals. For example, if you run a game site, you could compare the numbers of

users who return to the site after losing a game with the number who return after winning. This knowledge can help you improve both your user experience and your business strategy.

Box 4: User flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It\'s great for answering questions like:

How do users navigate away from a page on your site?

What do users click on a page on your site?

Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over?

Incorrect Answers:

Funnel: If your application involves multiple stages, you need to know if most customers are progressing through the

entire process, or if they are ending the process at some point. The progression through a series of steps in a web

application is known as a funnel. You can use Azure Application Insights Funnels to gain insights into your users, and monitor step-by-step conversion rates.

References:

https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact

QUESTION 2

You are developing an Azure solution to collect point-of-sale fPOS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five

devices that send data.

You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Event Hub. Configure the machine identifier as the partition key and enable capture.

A. Yes

B. No

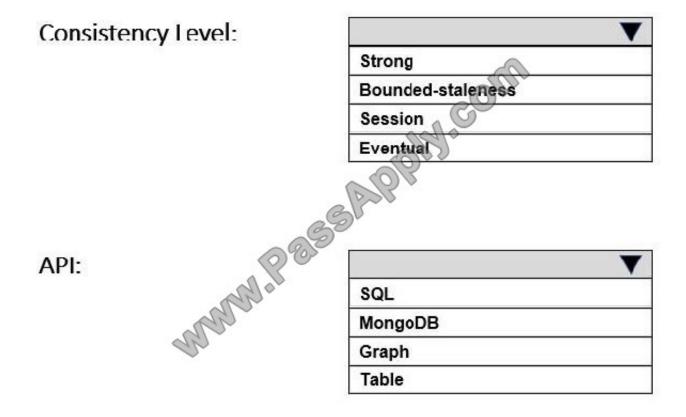Correct Answer: A

QUESTION 3

HOTSPOT

You need to configure Azure Cosmos DB.

Which settings should you use? To answer, select the appropriate options in the answer area.

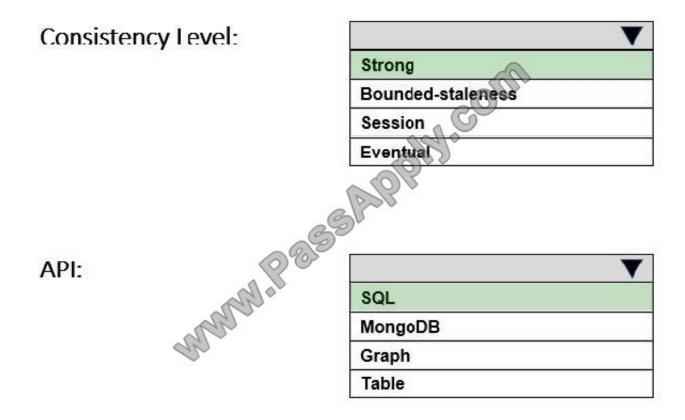NOTE: Each correct selection is worth one point.

Hot Area:

Consistency level:

Strong
Bounded-staleness
Session
Eventual

API:

SQL
MongoDB
Graph
Table

Correct Answer:

Consistency level:

Strong
Bounded-staleness
Session
Eventual

API:

SQL
MongoDB
Graph
Table

Box 1: Strong

When the consistency level is set to strong, the staleness window is equivalent to zero, and the clients are guaranteed to read the latest committed value of the write operation.

Scenario: Changes to the Order data must reflect immediately across all partitions. All reads to the Order data must fetch the most recent writes.

Note: You can choose from five well-defined models on the consistency spectrum. From strongest to weakest, the models are: Strong, Bounded staleness, Session, Consistent prefix, Eventual

Box 2: SQL

Scenario: You identify the following requirements for data management and manipulation:

Order data is stored as nonrelational JSON and must be queried using Structured Query Language (SQL).

QUESTION 4

HOTSPOT

A company is developing a Java web app. The web app code is hosted in a GitHub repository located at https://github.com/Contoso/webapp.

The web app must be evaluated before it is moved to production. You must deploy the initial code release to a deployment slot named staging.

You need to create the web app and deploy the code.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
gitrepo-https://github.com/Contoso/webapp
webappname=businesswebapp
resourcegroupname=BusinessAppResourceGroup
```

az [▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

```
create --location centralus - -name $resourcegroupname
create --name $webappname - -resource-group $resourcegroupname
- -sku S3
create --name $webappname - -resource-group $resourcegroupname
\ - -plan $webappname
create --name $webappname - -resource-group $resourcegroupname
\ - -slot staging
```

az [▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

```
config    name $webappname    resource group $resourcegroupname
\ - -slot staging - -repo-url
$gitrepo - -branch master - -manual-integration
```

az [▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az [▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az [▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

Correct Answer:

Answer Area

```
gitrepo-https://github.com/Contoso/webapp
webappname=businesswebapp
resourcegroupname=BusinessAppResourceGroup
```

az [**group** ▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

```
create --location centralus - -name $resourcegroupname
create --name $webappname - -resource-group $resourcegroupname
- -sku S3
create --name $webappname - -resource-group $resourcegroupname
\ - -plan $webappname
create --name $webappname - -resource-group $resourcegroupname
\ - -slot staging
config    name $webappname    resource group $resourcegroupname
\ - -slot staging - -repo-url
$gitrepo - -branch master - -manual-integration
```

az [**appservice plan** ▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az [**webapp** ▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az [**webapp deployment slot** ▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az [**webapp deployment source** ▼]
- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

Box 1: group

Create a resource group.

az group create --location westeurope --name myResourceGroup

Box 2: appservice plan

Create an App Service plan in STANDARD tier (minimum required by deployment slots).

az appservice plan create --name $webappname --resource-group myResourceGroup --sku S1

Box 3: webapp

Create a web app.

az webapp create --name $webappname --resource-group myResourceGroup \

--plan $webappname

Box 4: webapp deployment slot

#Create a deployment slot with the name "staging".

az webapp deployment slot create --name $webappname --resource-group myResourceGroup \

--slot staging

Box 5: webapp deployment source

Deploy sample code to "staging" slot from GitHub.

az webapp deployment source config --name $webappname --resource-group myResourceGroup \

--slot staging --repo-url $gitrepo --branch master --manual-integration

References:

https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-deploy-staging-environment

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QUESTION 5

HOTSPOT

A company is developing a gaming platform. Users can join teams to play online and see leaderboards that include player statistics. The solution includes an entity named Team.

You plan to implement an Azure Redis Cache instance to improve the efficiency of data operations for entities that rarely change.

You need to invalidate the cache when team data is changed.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
void ClearCachedTeams()
{
    ┌──────────────────────────────────────────┐  ▼
    │                                          │
    ┌──────────────────────────────────────────┐  ▼
    │ IDatabase cache = Connection.GetDatabase();│
    │ ICache cache = Connection.GetDatabase();   │
    └──────────────────────────────────────────┘
    ┌──────────────────────────────────────────┐  ▼
    │                                          │
    ┌─────────────────────────────┐
    │ cache.KeyDelete("teams");   │ emoved from cache. ";
    │ cache.StringSet("teams", "");│
    │ cache.ValueDelete("teams"); │
    │ cache.StringGet("teams", ""); │
}   └─────────────────────────────┘
```

Correct Answer:

Answer Area

```
void ClearCachedTeams()
{
    ┌──────────────────────────────────────────┐  ▼
    │                                          │
    ┌──────────────────────────────────────────┐  ▼
    │ IDatabase cache = Connection.GetDatabase();│
    │ ICache cache = Connection.GetDatabase();   │
    └──────────────────────────────────────────┘
    ┌──────────────────────────────────────────┐  ▼
    │                                          │
    ┌─────────────────────────────┐
    │ cache.KeyDelete("teams");   │ emoved from cache. ";
    │ cache.StringSet("teams", "");│
    │ cache.ValueDelete("teams"); │
    │ cache.StringGet("teams", ""); │
}   └─────────────────────────────┘
```

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