



Vendor: Microsoft

Exam Code: 70-487

Exam Name: Microsoft Developing Windows Azure and
Web Services

Version: DEMO

Case Study 1 - Scenario 1 (QUESTION 34 - QUESTION 48)

Background

You are developing a flight information consolidation service.

The service retrieves flight information from a number of sources and combines them into a single data set.

The consolidated flight information is stored in a SQL Server database.

Customers can query and retrieve the data by using a REST API provided by the service.

The service also offers access to historical flight information.

The historical flight information can be filtered and queried in an ad hoc manner.

The service runs on a Windows Azure Web Role. SSL is not used.

Case Study 2 - Scenario 2 (QUESTION 49 - QUESTION 63)

Background

You are developing an ASP.NET MVC application in Visual Studio 2012 that will be used to process orders.

Case Study 3 - Scenario 3 (QUESTION 64 - QUESTION 77)

Background

You are developing an online bookstore web application that will be used by your company's customers.

QUESTION 1

You are building an ADO.NET Entity Framework application.

You need to validate the conceptual schema definition language (CSDL), store schema definition language (SSDL), and mapping specification language (MSL) files.

Which Entity Data Model tool can you use? (Each correct answer presents a complete solution. Choose all that apply.)

- A. EDM Generator (EdmGen.exe)
- B. ADO.NET Entity Data Model Designer
- C. Entity Data Model Wizard
- D. Update Model Wizard

Answer: AB

Explanation:

EdmGen.exe (<http://msdn.microsoft.com/en-us/library/cc716721.aspx>)

ADO.Net Entity Data Model Designer

([http://msdn.microsoft.com/enus/library/vstudio/cc716685\(v=vs.100\).aspx](http://msdn.microsoft.com/enus/library/vstudio/cc716685(v=vs.100).aspx))

The Entity Data Model wizard creates the .edmx files.

It does not validate the CSDL, SSDL or MSL files.

The Update Model wizard updates the .edmx file after changes have been made.

It does not validate the CSDL, SSDL or MSL files.

QUESTION 2

Drag and Drop Question

You are developing an ASP.NET Web API action method.

The action method must return the following JSON in the message body.

```
{ " Name ":" Fabrikam", "Vendor Id": 9823, "Items": ["Apples",  
"Oranges"] }
```

You need to return an anonymous object that is serialized to JSON. What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. 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.)

Answer:

QUESTION 3

You are designing an ASP.NET Web API application. You need to select an HTTP verb to allow blog administrators to moderate a comment. Which HTTP verb should you use?

- A. GET
- B. POST
- C. DELETE
- D. PUT

Answer: D

QUESTION 4

Drag and Drop Question

You are developing an ASP.NET Web API application that will be consumed by a web browser via a composite application that is served from another web domain. You need to configure the Web API. What should you do? (To answer, drag the appropriate XML elements to the correct location or locations in the answer area. Each XML element 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.)

Access-Control-Allow-Origin	<p>Answer Area</p> <pre><httpProtocol> <customHeaders> <add name="Access-Control-Allow-Origin" value=" " /> <add name=" value="PUT, DELETE"/> <add name=" value=" " /> </customHeaders> </httpProtocol></pre>
Access-Control-Allow-Headers	
Access-Control-Allow-Methods	
Access-Control-Request-Method	
Access-Control-Request-Headers	
*	
POST, GET	
Content-Type	

Answer:

Access-Control-Allow-Origin	<p>Answer Area</p> <pre><httpProtocol> <customHeaders> <add name="Access-Control-Allow-Origin" value=" * " /> <add name=" Access-Control-Allow-Methods " value="PUT, DELETE"/> <add name=" Access-Control-Allow-Headers " value=" Content-Type " /> </customHeaders> </httpProtocol></pre>
Access-Control-Allow-Headers	
Access-Control-Allow-Methods	
Access-Control-Request-Method	
Access-Control-Request-Headers	
*	
POST, GET	
Content-Type	

QUESTION 5

You are planning to migrate websites from IIS 6 to IIS 7.5.
 You do not have access to SSH or a VPN.
 You need to select a deployment tool to securely migrate the websites.
 Which tool should you use?

- A. RoboCopy
- B. Web Deploy
- C. Microsoft command-line FTP
- D. xCopy

Answer: B

QUESTION 6

Drag and Drop Question

You are developing an ASP.NET MVC Web API application.
 The method names of the Web API must match naming guidelines for RESTful services.
 You need to create methods to support standard insert, select, update, and delete operations in an HTTP service.
 What should you do? (To answer, drag the appropriate HTTP methods to the correct row in the table in the answer area. Each HTTP method 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.)

Answer Area		
Action	HTTP method	Relative URI
Retrieve a list of all customers	<input type="text"/>	/api/customers
Retrieve a customer by id	<input type="text"/>	/api/customers/id
Retrieve a customer by category	<input type="text"/>	/api/customer/?category=category
Create a new customer	<input type="text"/>	/api/customers
Update a customer	<input type="text"/>	/api/customers/id
Remove a customer	<input type="text"/>	/api/customers/id

Answer:

Answer Area		
Action	HTTP method	Relative URI
Retrieve a list of all customers	<input type="text" value="GET"/>	/api/customers
Retrieve a customer by id	<input type="text" value="GET"/>	/api/customers/id
Retrieve a customer by category	<input type="text" value="GET"/>	/api/customer/?category=category
Create a new customer	<input type="text" value="POST"/>	/api/customers
Update a customer	<input type="text" value="ADD"/>	/api/customers/id
Remove a customer	<input type="text" value="DELETE"/>	/api/customers/id

QUESTION 7

You are developing an ASP.NET MVC application. Applications can be deployed to remote servers only by administrators who have elevated privileges. The administrators do not have access to Visual Studio 2012. You need to select a deployment tool to deploy the application to remote servers for testing. Which tool should you use?

- A. Copy Web Site Tool
- B. One-Click Publish
- C. Publish Web Site Tool
- D. Web Deployment Package

Answer: D

QUESTION 8

Drag and Drop Question

You are configuring a web application for deployment. You need to create a SetParameters.xml file to configure the IIS application pool. You have the following markup:

```
<?xml version="1.0" encoding="UTF-8"?>
<parameters>
  <setParameter
    Target 1
    Target 2
  </setParameter>
</parameters>
```

Which configuration values should you include in Target 1 and Target 2 to complete the markup? (To answer, drag the appropriate configuration values to the correct targets in the answer area. Each configuration 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.)

Configuration Values	Answer Area
<input applicationpool"="" type="text" value="key="/>	Target 1: <input type="text" value="Configuration Value"/>
<input applicationpool"="" type="text" value="name="/>	Target 2: <input type="text" value="Configuration Value"/>
<input applicationpool"="" type="text" value="setting="/>	
<input >"="" myservicenameapppool"="" type="text" value="setting="/>	
<input >"="" myservicenameapppool"="" type="text" value="param="/>	
<input >"="" myservicenameapppool"="" type="text" value="value="/>	

Answer:

Configuration Values	Answer Area
<pre>key="applicationPool"</pre>	Target 1: <pre>name="applicationPool"</pre>
<pre>name="applicationPool"</pre>	Target 2: <pre>value="MyServiceNameAppPool" /></pre>
<pre>setting="applicationPool"</pre>	
<pre>setting="MyServiceNameAppPool" /></pre>	
<pre>param="MyServiceNameAppPool" /></pre>	
<pre>value="MyServiceNameAppPool" /></pre>	

QUESTION 9

You are developing an ASP.NET MVC application. The application has a page that updates an image stored in a database. Members of the EntityClient namespace are used to access an ADO.NET Entity Framework data model. Images and associated metadata are stored in a single database table. You need to run a single query that updates an image and associated metadata in the database while returning only the number of affected rows. Which method of the EntityCommand type should you use?

- A. ExecuteNonQuery()
- B. ExecuteScalar()
- C. ExecuteDbDataReader()
- D. ExecuteReader()

Answer: B

QUESTION 10

You are developing a new ASP.NET MVC application that does not have an existing database. The requirements for the application are not complete, and the SQL data model will likely change. You need to choose an approach to visually manage a data model. Which approach should you use?

- A. Physical First
- B. Database First
- C. Code First
- D. Model First

Answer: D

Explanation:

With the model first workflow, you can design a model in a designer.

QUESTION 11

You are preparing to develop a set of libraries that uses large data sets. The libraries must be shared across an organization and distributed to several servers.

You need to create a remote NuGet feed that exposes the libraries for developer use. What should you do? (Each answer presents part of the solution. Choose all that apply.)

- A. Add packages to the Packages folder.
- B. Create a new Empty Web Application in Visual Studio.
- C. Configure the Packages folder located in the appSettings section of the web application's Web.config.
- D. Install the NuGet.DataFeed Package.
- E. Install the NuGet.Server Package.
- F. Create a new Empty Web Site in Visual Studio.

Answer: ABCE

Explanation:

Creating Remote Feeds

You can host a remote (or internal) feed on a server that runs IIS.

Step 1 (B): Create a new Empty Web Application in Visual Studio

Step 2 (E): Install the NuGet.Server Package

Step 3 (C): Configure the Packages folder

Step 4 (A): Add Packages to the Packages folder

Step 5: Deploy and run your brand new Package Feed!

Reference: Hosting Your Own NuGet Feeds

QUESTION 12

You are developing an ASP.NET MVC application that reads and writes data from a SQL Server database.

You need to maintain data integrity including retrieving identical sets across reads in all situations that use transactions.

Which isolation level should you use?

- A. Repeatable
- B. Serializable
- C. ReadUncommitted
- D. ReadCommitted

Answer: A

Explanation:

REPEATABLE READ

Specifies that statements cannot read data that has been modified but not yet committed by other transactions and that no other transactions can modify data that has been read by the current transaction until the current transaction completes.

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