

## 70-487 Dumps

### Developing Windows Azure and Web Services

<https://www.certleader.com/70-487-dumps.html>



## NEW QUESTION 1

### DRAG DROP

You need to configure the Windows Azure service definition to enable Consolidated Messenger to upload files.

What should you do? (To answer, drag the appropriate configuration items to the correct location or locations. Each configuration item 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.)

http

tcp

https

InternalEndpoint

InputEndpoint

80

22

3389

### Answer Area

```

<Binding name="Website" endpointName="Website" />
<Binding name="Transfer" endpointName="Transfer" />
</Bindings>
</Site>
</Sites>
<Endpoints>

< [ ] name="Website"

    protocol=" [ ] "

    port=" [ ] " />

< [ ] name="Transfer"

    protocol=" [ ] "

    port=" [ ] " />

</Endpoints>
</WebRole>
                    
```

- A. Mastered  
B. Not Mastered

**Answer: A**

### Explanation:

```

<Binding name="Website" endpointName="Website" />
<Binding name="Transfer" endpointName="Transfer" />
</Bindings>
</Site>
</Sites>
<Endpoints>

< InputEndpoint name="Website"

    protocol=" http "

    port=" 80 " />

< InputEndpoint name="Transfer"

    protocol=" tcp "

    port=" 22 " />

</Endpoints>
</WebRole>
    
```

## NEW QUESTION 2

Errors occasionally occur when saving data using the FlightInfoContext ADO.NET Entity Framework context. Updates to the data are being lost when an error occurs.

You need to ensure that data is still saved when an error occurs by retrying the operation. No more than five retries should be performed.

Which code segment should you use as the body of the SaveChanges() method in the FlightInfoContext.es file?

- ☒ A. 

```
for (var i = 0; i < 5; i++)
{
    try
    {
        return base.SaveChanges();
    }
    catch (SqlException ex)
    {
        if (IsTransient(ex.Number))
        {
            continue;
        }
    }
}
return base.SaveChanges();
```
- ☐ B. 

```
var exception = new EntitySqlException();
while (exception.Data != 0 && exception.Data.Count < 5)
{
    try
    {
        return base.SaveChanges();
    }
    catch (EntitySqlException ex)
    {
        if (IsTransient(ex.HResult))
        {
            exception = ex;
        }
    }
}
return base.SaveChanges();
```
- ☐ C. 

```
for (var i = 0; i < 5; i++)
{
    try
    {
        return base.SaveChanges();
    }
    catch (SqlException ex)
    {
        if (IsTransient(ex.Number))
        {
            break;
        }
    }
}
return base.SaveChanges();
```
- ☐ D. 

```
for (var i = 0; i < 5; i++)
{
    try
    {
        return base.SaveChanges();
    }
    catch (SqlException ex)
    {
        if (!IsTransient(ex.Number))
        {
            continue;
        }
    }
}
return base.SaveChanges();
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer: A**



### NEW QUESTION 3

You are adding a new REST service endpoint to the FlightDataController controller. It returns flights from the consolidated data sources only for flights that are late.

You need to write a LINQ to Entities query to extract the required data.

Which code segment should you use?

- ☐ A. 

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsQueryable()
    .Join(historical, x => x.Flight, y => y.Flight, (x, y) => new { Current = x,
    Historical = y })
    .Where(x => x.Historical.WasLate)
    .Select(x => x.Current);
```
- ☐ B. 

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsEnumerable()
    .Where(x => historical.All(y => y.WasLate && x.Flight == y.Flight))
    .Select(x => x);
```
- ☐ C. 

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsQueryable()
    .Where(x => historical.Select(y => y.Flight).Contains(x.Flight))
    .Where(x => historical.Any(y => y.WasLate))
    .Select(x => x);
```
- ☐ D. 

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsEnumerable()
    .Join(historical, x => x.Flight, y => y.Flight, (x, y) => new { Current = x,
    Historical = y })
    .Where(x => x.Historical.WasLate)
    .Select(x => x.Current);
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer:** D

#### Explanation:

Explanation/Reference:

D is right because you send result as REST so if you use "AsQueryable" the result is deferred to the next enumeration of your result.

D is not optimized but will work. A will break at runtime.

Credits to Rem

### NEW QUESTION 4

DRAG DROP

You need to parse flight information from Blue Yonder Airlines. The content of the XML file is shown below.

```
<?xml version="1.0" encoding="utf-8"?>
<AirlineFeed>
  <Flight xmlns="urn:CFI" name="AS515">
    <Seats>123</Seats>
    <Arrival>5/2/2011 12:01:13</Arrival>
  </Flight>
  <Flight name="UN24">
    <Seats>123</Seats>
    <Arrival>5/1/2012 10:17:57 PM +02:00</Arrival>
  </Flight>
  <FlightManifest>
    ...
  </FlightManifest>
</AirlineFeed>
```

Some airlines do not specify the timezone of the arrival time. If the timezone is not specified, then it should be interpreted per the business requirements.

You need to implement the LoadFlights() and Parse() methods of the BlueYonderLoader class.

What should you do? (To answer, drag the appropriate code segments to the correct location in the answer area. Each 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.)

xxxxxxxxxxxx

```
var flights = feed.Elements(
    feed.Root.GetPrefixOfNamespace("{urn:CFI}") + "Flight");
```

```
var flights = feed.Descendants().Where(x =>
    x.NodeType != XmlNodeType.XmlDeclaration && (string)x ==
    "Flight");
```

```
var flights = feed.Descendants("{urn:CFI}Flight")
    .Concat(feed.Descendants("Flight"));
```

```
fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
    null, System.Globalization.DateTimeStyles.AssumeUniversal);
```

```
fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
    null, System.Globalization.DateTimeStyles.AdjustToUniversal);
```

```
fi.Arrival = XmlConvert.ToDateTimeOffset(arrivalRaw,
    new[] { "Local", "Universal" });
```

xxxxxxxxxxxx

```
public IEnumerable<FlightInfo> LoadFlights(XDocument feed)
{
```

```
    flights = feed.Descendants("Flight")
        .Select(x => Parse(x));
```

```
    return flights.Select(x => Parse(x));
}
```

```
private FlightInfo Parse(XElement flightElement)
```

```
{
    var fi = new FlightInfo();
    fi.Flight = flightElement.Attribute("name").Value;
    var arrivalRaw = flightElement.Element("Arrival").Value;
```

```
    fi.Seats = XmlConvert.ToInt32(flightElement.Element("Seats").Value);
    return fi;
}
```

- A. Mastered
- B. Not Mastered

Answer: A



**Explanation:**

```
public IEnumerable<FlightInfo> LoadFlights(XDocument feed)
{
    var flights = feed.Descendants("{urn:CFI}Flight")
        .Concat(feed.Descendants("Flight"));

    return flights.Select(x => Parse(x));
}

private FlightInfo Parse(XElement flightElement)
{
    var fi = new FlightInfo();
    fi.Flight = flightElement.Attribute("name").Value;
    var arrivalRaw = flightElement.Element("Arrival").Value;

    fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
        null, System.Globalization.DateTimeStyles.AssumeUniversal);

    fi.Seats = XmlConvert.ToInt32(flightElement.Element("Seats").Value);
    return fi;
}
```

**NEW QUESTION 5**

You need to load flight information provided by Consolidated Messenger. What should you use?

- A. Office Open XML
- B. COM interop
- C. OleDbConnection and OleDbDataReader
- D. EntityConnection and EntityDataReader

**Answer:** C

**NEW QUESTION 6**

Transformed historical flight information provided by the RemoteDataStream() method must be written to the response stream as a series of XML elements named Flight within a root element named Flights. Each Flight element has a child element named FlightName that contains the flight name that starts with the two-letter airline prefix.

You need to implement the StreamHistoricalFlights() method so that it minimizes the amount of memory allocated.

Which code segment should you use as the body of the StreamHistoricalFlights() method in the HistoricalDataLoader.es file?

- ☐ A. 

```
responseWriter.WriteStartElement("Flights");
var flights = RemoteDataStream()
    .OrderBy(x => GetAirline(x.Element("FlightName")));
var filteredFlights = flights
    .SkipWhile(x => GetAirline(x.Element("FlightName")) != airline);
foreach (var f in filteredFlights)
{
    var flight = ConvertToHistoricalFlight(f);
    flight.WriteTo(responseWriter);
}
responseWriter.WriteEndElement();
```
- ☐ B. 

```
responseWriter.WriteStartElement("Flights");
var flights = RemoteDataStream().Select(x =>
{
    if (GetAirline(x) == airline)
    {
        return ConvertToHistoricalFlight(x);
    }
    return null;
});
flights.TakeWhile(x =>
{
    x.WriteTo(responseWriter);
    return x != null;
});
responseWriter.WriteEndElement();
```
- ☐ C. 

```
var data = RemoteDataStream().ToDictionary(x =>
    GetAirline(x.Element("FlightName")),
    x => new XElement("Flights", ConvertToHistoricalFlight(x).Descendants()));
data[airline].WriteTo(responseWriter);
```
- ☐ D. 

```
var flights = new XElement("Flights",
    from flight in RemoteDataStream()
    where GetAirline(flight.Element("FlightName")) == airline
    select ConvertToHistoricalFlight(flight));
flights.WriteTo(responseWriter);
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer:** D

**Explanation:**

<http://msdn.microsoft.com/en-us/library/system.xml.linq.xstreamingelement.aspx> and  
<http://msdn.microsoft.com/en-us/library/bb551307.aspx>

#### NEW QUESTION 7

DRAG DROP

The GetVendorPolicy() private method in the ProcessedOrderController controller is returning a CacheItemPolicy object with default values. The returned policy must expire if the external file located at C:\Triggers\VendorTrigger.txt has been modified or the timeout outlined in the technical requirements is reached.

You need to return the policy.

How should you build the method? (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 Area	
Priority	private CacheItemPolicy GetVendorPolicy()
ChangeMonitors	{
AbsoluteExpiration	CacheItemPolicy vendorPolicy = new CacheItemPolicy();
Expiration	vendorPolicy.
DateTime.AddMinutes	= (10);
DateTime.Now.AddMinutes	vendorPolicy.
	.Add(new HostFileChangeMonitor(GetTriggerPaths()));
	return vendorPolicy;
	}

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

<http://msdn.microsoft.com/en-us/library/system.runtime.caching.cacheitempolicy.aspx>

#### NEW QUESTION 8

DRAG DROP

You add a class named ShippingInfo.

You need to modify the IShippingService interface and the ShippingInfo class to meet the technical requirements.

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 Area	
[DataMember]	
[CollectionDataContract]	public interface IShippingService
[DataContract]	{
[ServiceContract]	ShippingInfo GetShippingInfo(int orderNum);
[OperationContract]	}
	public class State
	{
	public string StateName { get; set; }
	}
	public class ShippingInfo : State
	{
	public string StreetAddress { get; set; }
	public string ZipCode { get; set; }
	}

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

<http://msdn.microsoft.com/en-us/library/system.servicemodel.servicecontractattribute.aspx>



### NEW QUESTION 9

#### DRAG DROP

The GetQueueItems() action in the InboundQueueController controller is not populating the view with data. The action must populate the view with data by calling the GetExternalOrders() method in the ExternalQueueService service using the ChannelFactory class.

You need to modify the action to populate the view with data.

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.)

InboundQueue

IExternalQueueService

BasicHttpBinding

GetExternalOrders

CreateChannel

#### Answer Area

```

ChannelFactory< > qFactory =
    new ChannelFactory< >(
        new
            (),
        new EndpointAddress(
            "http://localhost:62965/ExternalQueueService.svc"));

IExternalQueueService qService =

    qFactory.
        ();

IEnumerable< > inboundOrders =

    qService.GetExternalOrders();

return View(inboundOrders);
                
```

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

```

ChannelFactory< IExternalQueueService > qFactory =
    new ChannelFactory< IExternalQueueService >(
        new BasicHttpBinding
            (),
        new EndpointAddress(
            "http://localhost:62965/ExternalQueueService.svc"));

IExternalQueueService qService =

    qFactory.CreateChannel
        ();

IEnumerable< InboundQueue > inboundOrders =

    qService.GetExternalOrders();

return View(inboundOrders);
                
```

### NEW QUESTION 10

The DeleteExternalOrder() method in the ExternalQueueService service is not throwing a FaultException exception as defined by the FaultContractAttribute attribute in the IExternalQueueService.cs file.

You need to throw the FaultException exception.

Which code segments can you insert at line EQ45 to achieve this goal? (Each correct answer presents a complete solution. Chose all that apply)

- ☐ A. `throw new FaultException<OrderNotFoundException>(ex.ExceptionMessage);`
- ☐ B. `throw new FaultException<OrderNotFoundException>(ex, new FaultReason("Order not found."));`
- ☐ C. `throw new FaultException<OrderNotFoundException>(ex);`
- ☐ D. `throw new FaultException  
(new OrderNotFoundException(new Exception(ex.ExceptionMessage)), "Order not found.");`

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer:** BC

#### NEW QUESTION 10

##### DRAG DROP

The GetExternalOrders() method must use members of the EntityClient namespace to query the database for all records in the InboundQueue entity.

You need to modify the GetExternalOrders() method to return the correct data.

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.)

ExecuteReader

ExecuteScalar

SequentialAccess

KeyInfo

ExternalOrders

ExternalOrdersEntities

Answer Area

```

public List<Entities.InboundQueue> GetExternalOrders()
{
    EntityConnection connection =

        new EntityConnection("name= " + " ");

    connection.Open();
    EntityCommand cmd = connection.CreateCommand();
    cmd.CommandText = @"select q.OrderNum, q.VendorId,
        q.FilePath, q.OrderValue

        from " + ".InboundQueues as q";

    EntityDataReader rdr =

        cmd. (CommandBehavior. );

    List<InboundQueue> queueItems = new List<InboundQueue>();
    while (rdr.Read ())
    {
        InboundQueue queueItem = new InboundQueue();
        queueItem.OrderNum = Convert.ToInt32(rdr["OrderNum"]);
        queueItem.VendorId = Convert.ToInt32(rdr["VendorId"]);
        queueItem.FilePath = rdr["FilePath"].ToString();
        queueItem.OrderValue = Convert.ToDecimal(rdr["OrderValue"]);
        queueItems.Add(queueItem);
    }
    rdr.Close ();
    connection.Close ();
    return queueItems;
}
                
```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

```
public List<Entities.InboundQueue> GetExternalOrders()
{
    EntityConnection connection =

        new EntityConnection("name= ExternalOrdersEntities ");

    connection.Open();
    EntityCommand cmd = connection.CreateCommand();
    cmd.CommandText = @"select q.OrderNum, q.VendorId,
        q.FilePath, q.OrderValue

        from ExternalOrdersEntities .InboundQueues as q";

    EntityDataReader rdr =

        cmd. ExecuteReader (CommandBehavior. SequentialAccess );
}
```

#### NEW QUESTION 14

You need to regenerate the service proxies to include task-based asynchronous method signatures. Which command should you use?

- A. aspnet\_regiis.exe /t:code http://localhost:62965/UploadCallbackService.svc
- B. svcutil.exe /t:code http://localhost:62965/UploadCallbackService.svc
- C. aspnet\_compiler.exe /t:code http://localhost:62965/UploadCallbackService.svc
- D. aspnet\_regiis.exe /t:code http://localhost:62965/UploadService.svc
- E. svcutil.exe /t:code http://localhost:62965/UploadService.svc

**Answer: B**

**Explanation:**

<http://msdn.microsoft.com/en-us/library/aa347733.aspx>

#### NEW QUESTION 15

DRAG DROP

You need to modify the ExecuteCommandProcedure() method to meet the technical requirements. Which code segment should you use?

Answer Area	
<div>await connection.OpenAsync();</div> <div>await command.ExecuteNonQueryAsync();</div> <div>connection.OpenAsync();</div> <div>command.OpenAsync();</div> <div>await command.QueryAsync();</div>	<pre>private async Task ExecuteCommandProcedure(EntityCommand command) {     using (EntityConnection connection         = new EntityConnection("name=ExternalOrdersEntities"))     {         command.Connection = connection;          <div></div>          <div></div>     } }</pre>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



```
private async Task ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection
        = new EntityConnection("name=ExternalOrdersEntities"))
    {
        command.Connection = connection;

        await connection.OpenAsync();

        await command.ExecuteNonQueryAsync();
    }
}
```

#### NEW QUESTION 20

The GetVendors() action in the ProcessedOrderController controller is querying the database each time it is run. The GetVendors() action must query the database only if the cache is null.

You need to add code to the action at line PC33 to cache the data.

Which code segment can you use? (Each correct answer presents a complete solution. Choose all that apply.)

- A. cache.Set(new CacheItem("vendorKey", vendors), GetVendorPolicy());
- B. cache.Add("vendors", vendors, new CacheItemPolicy());
- C. cache.Add(new CacheItem("vendorKey", vendors), GetVendorPolicy());
- D. cache.AddOrUpdateExisting("vendorKey", context, new CacheItemPolicy());

**Answer:** AC

#### NEW QUESTION 22

DRAG DROP

An XML file must be produced by the SaveFeaturedBooks() method of the Book class. The schema of the resulting XML file must be identical to the FeaturedBooks.xml file.

You need to write the code to produce the file. You have the following code:

```
XDocument document = new XDocument ();
XElement root = new XElement ("Target 1");
foreach (var book in books)
{
    XElement bookElement = new XElement ("book");
    bookElement.Add(new XElement ("id", book.Id) );
    bookElement.Add(new XElement ("Target 2", book.Title));
    root.Add (bookElement);
}
document.Add (root);
document.Save ("Target 3");
```

Which code segments should you include in Target 1, Target 2 and Target 3 to complete the code? (To answer, drag the appropriate code segments to the correct targets 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)

Code Segments	Answer Area
<div>featured</div>	Target 1: <div>Code</div>
<div>books</div>	Target 2: <div>Code</div>
<div>title</div>	Target 3: <div>Code</div>
<div>name</div>	
<div>file</div>	
<div>output</div>	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Target 1:	featured
Target 2:	title
Target 3:	file

**NEW QUESTION 23**

You need to choose the appropriate data access strategy for the college textbook area of the web application. Which data access technology should you implement?

- A. ADO.NET
- B. Entity Data Model (EDM)
- C. WCF Data Services
- D. LINQ to SQL

**Answer:** A

**Explanation:**

- \* Scenario: The college textbook area of the web application must get data from a daily updated CSV file.
- \* ADO.NET reads the CSV file in a very similar way as table in database.

**NEW QUESTION 25**

You need to return the list of the top 100 books for the GetTopBooks() method. Which type should you use to retrieve the data?

- A. SqlDataReader
- B. DataSet
- C. DataTable
- D. Data View

**Answer:** A

**NEW QUESTION 26**

You need to choose the appropriate data access technology for the cookbook area of the web application. Which data access technology should you choose?

- A. WCF Data Services
- B. LINQ to SQL
- C. Entity Framework
- D. ADO.NET

**Answer:** A

**Explanation:**

- \* Scenario: The cookbook functionality is contained within a client-side application that must connect to the server using HTTP and requires access to the data using JavaScript.
- \* WCF Data Services (formerly known as "ADO.NET Data Services") is a component of the .NET Framework that enables you to create services that use the Open Data Protocol (OData) to expose and consume data over the Web or intranet by using the semantics of representational state transfer (REST). OData exposes data as resources that are addressable by URIs. Data is accessed and changed by using standard HTTP verbs of GET, PUT, POST, and DELETE
- \* WCF Data Services uses the OData protocol for addressing and updating resources. In this way, you can access these services from any client that supports OData. OData enables you to request and write data to resources by using well-known transfer formats: Atom, a set of standards for exchanging and updating data as XML, and JavaScript Object Notation (JSON), a text-based data exchange format used extensively in AJAX application.

**NEW QUESTION 27**

You are preparing to write the data access code for the children's book area of the web site. You need to review the requirements and identify the appropriate data access technology. What should you do?

- A. Use ADO.NET Entity Framework.
- B. Use a Web Service.
- C. Use the WCF Data Services.
- D. Use LINQ to SQL.

**Answer:** A

**NEW QUESTION 31**

You need to update the ImportBooks() method to use database transactions. Which code segment should you use?

- A. SqlConnection.BeginTransaction(IsolationLevel.RepeatableRead);
- B. SqlConnection.BeginTransaction(IsolationLeve.ReadUnconvnited);
- C. SqlConneetion.BeginTransaction(IsolationLevel.Serializable);
- D. SqlConnection.BeginTransaction(IsolationLevel.Snapshot);

**Answer:** B

**Explanation:**

\* scenario: The ImportBooks() method must keep a copy of the data that can be accessed while new books are being imported without blocking reads.

\* ReadUncommitted

A dirty read is possible, meaning that no shared locks are issued and no exclusive locks are honored.

### NEW QUESTION 33

You need to implement the Get() method in the bookstore Web API application to be able to find books by using an ad hoc query.

Which method should you use?

- ☐ A. 

```
public Book Get(int id)
{
    var book = bookRepository.Find(id);
    if (book == null)
    {
        throw new HttpResponseMessage(HttpStatusCode.NotFound);
    }
    return new List<Book> { book };
}
```
- ☐ B. 

```
public List<Book> Get(int id)
{
    var book = bookRepository.Find(id);
    if (book == null)
    {
        throw new HttpResponseMessage(HttpStatusCode.NotFound);
    }
    return new List<Book> { book };
}
```
- ☐ C. 

```
public IEnumerable<Book> Get()
{
    return bookRepository.All;
}
```
- ☐ D. 

```
public IQueryable<Book> Get()
{
    return bookRepository.All;
}
```

A. Option A

B. Option B

C. Option C

D. Option D

**Answer:** D

### NEW QUESTION 36

You need to create an OData query expression to return the ten books with the largest number of sales.

- A. `/books?$orderby=sales desc&$count=10`
- B. `/search?$orderby=sales asc&$count=10`
- C. `/books?$orderby=sales desc&$top=10`
- D. `/search?$orderby=sales asc&$top=10`

Which query expression should you use?

A. Option A

B. Option B

C. Option C

D. Option D

**Answer:** C

**Explanation:**

Order by desc(ending) to get the posts with the largest number of sales at the top. Specify to display the top 10 posts.

Case Study: 4

Adventure Works Cycles

General Overview

Adventure Works Cycles is a travel agency for cycling enthusiast. In recent years, Adventure Works Cycles has begun renting exotic cars to its clients.

You are developing a new web application that will provide Adventure Works Cycles customers with the ability to locate and rent exotic throughout the world.

Application Overview

The web application will be hosted in Azure. The application will provide users with the ability to search for a car by using advanced filtering options, such as the car brand, model, year, and price. All of this information will be stored as strings and will be displayed as drop- down lists.

The brand and model lists that will be displayed on the home page of the web application will be retrieved from Windows Communication Foundation (WCF) services hosted in the on- premises environment.



The home page will be named home.aspx and will be developed by using Microsoft ASP.NET MVC. The business logic will be developed by using ASP.NET Web API.

The MVC front-end layer and the Web API will communicate by using JSON. The business logic will have a call to an assembly named CarBusinessLogic.dll. For responding, you are creating a worker role named ReportApp in Azure that will collect data from all of the searches made by using the web application. The application will communicate with ReportApp by using messages.

Requirements

Security Requirements

Adventure Works Cycles identifies the following security requirements for the web application:

?The Web API must only accept one data format.

?The CarBusinessLogic.dll assembly must be strongly-named.

?Communication between the on-premises WCF service and Azure must be encrypted. Logging Requirements

In the Web API, you plan to create a controller named CarController. Before any action in

CarController is executed, the following line of code must execute first. Debug.WriteLine("pre-processing logging");

Performance Requirements

Adventure Works Cycles identifies the following performance requirements for the web application:

?After the initial deployment, any changes to the business logic of the Web API must cause minimal downtime to the web application in the production environment.

?The action in the Web API that returns the car brand must be asynchronous, while all other actions must be synchronous.

?When home.aspx is displayed, the rendered page must be cached for 10 minutes.

?The web application will be deployed to multiple instances. Financial Requirements

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.

#### NEW QUESTION 40

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.

You need to recommend a solution to meet the performance requirements for home.aspx. What should you recommend?

- A. ViewState
- B. MemoryCache
- C. OutputCache
- D. ApplicationCache

**Answer: C**

#### Explanation:

Scenario: When home.aspx is displayed, the rendered page must be cached for 10 minutes. Page output caching

The output of an action method on a controller can be cached using the [OutputCache]attribute on the method. Actions methods that return views will have the rendered page cached, while methods returning JSON data will have that data saved. A number of properties on the OutputCacheAttribute class control how data is cached.

CacheProfile- If a number of methods will have the same cache settings, it makes sense to use the web.config file to create a cache profile that can be used across all these methods.

The Duration attribute of the CacheProfile determines how long, in seconds, the output should be cached. To save an item for 10 minutes, duration would be set to 600.

[OutputCache(Duration=600)]

References: <http://failedturing.blogspot.se/2014/10/microsoft-70-486-design-caching- strategy.html>

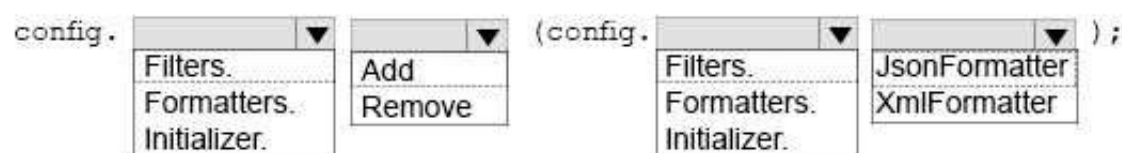
#### NEW QUESTION 45

HOTSPOT

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.

Based on the security requirements, which line of code should you insert into the WebApiConfig file? To answer, select the appropriate options in the answer area.

#### Answer Area



- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Scenario: The Web API must only accept one data format.

The MVC front-end layer and the Web API will communicate by using JSON.

The most common approach to support JSON only is to clear other formatters and leave only JsonMediaTypeFormatter around.

Given an instance of HttpConfiguration you'd simply clear all and re-add JsonMediaTypeFormatter:

configuration.Formatters.Clear();

configuration.Formatters.Add(new JsonMediaTypeFormatter());

References: <http://www.strathweb.com/2013/06/supporting-only-json-in-asp-net-web-api- the-right-way/>

#### NEW QUESTION 46

DRAG DROP

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.

You need to identify the return types for the car year, price, brand and model. The solution must minimize the number of round trips between the clients and the web servers.

What should you identify? To answer, drag the appropriate return types to the correct objects. Each return 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.

Return Types

List<String>

String

Task<List<String>>

Task<String>

Answer Area

Brand:

Model:

Price:

Year:

Return type

Return type

Return type

Return type

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note: A round trip occurs when an object is deserialized and re-serialized in one operation.  
From scenario: The application will provide users with the ability to search for a car by using advanced filtering options, such as the car brand, model, year, and price. All of this information will be stored as strings and will be displayed as drop-down lists.  
The brand and model lists that will be displayed on the home page of the web application will be retrieved from Windows Communication Foundation (WCF) services hosted in the on- premises environment.  
Target 1: Task<String>  
Though Performance blocking and Sluggishness are the tailbacks for any application, we can easily overcome these bottlenecks by using asynchronous programming. But old-style practice for asynchronous programming is not way easy enou  
Target 2: Task<String>  
Target 3: String  
Target 4: String  
References: <https://rashimuddin.wordpress.com/2013/05/07/task-based-asynchronous- operation-in-wcf/>

NEW QUESTION 51

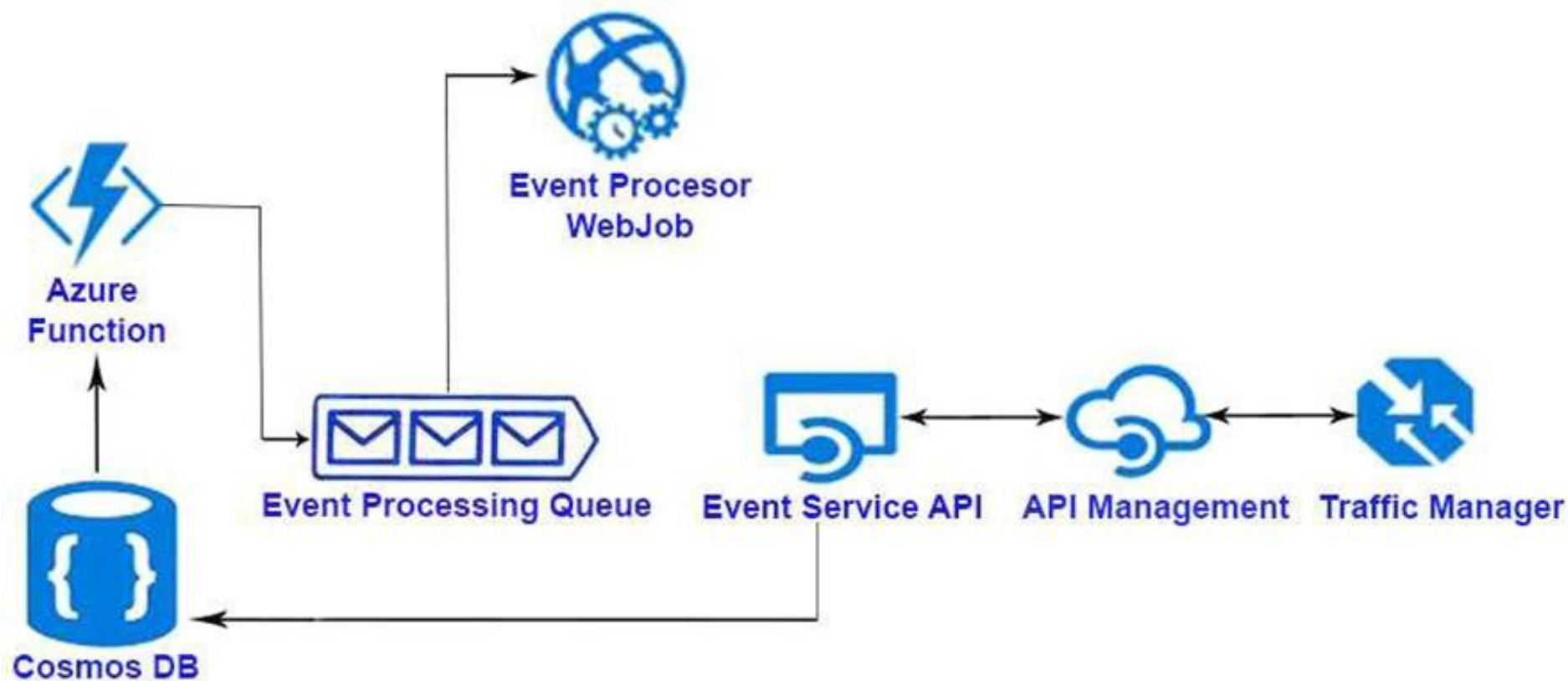
DRAG DROP  
You need to build the connection from ReportApp to read the search dat

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:  
<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-dotnet-get-started-with-queues>  
<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics- subscriptions>  
Case Study: 5  
Trey Research Inc  
Overview  
Trey Research Inc. is a Software-as-a-Service (SaaS) company that provides hosted solutions for business partners around the world. The company is developing a solution that will allow business partners to manage events, including shareholder meetings and trade shows.  
You hold meetings with key partners to identify requirements and constraints for the solution. You must minimize costs where possible.  
You work with an Azure solutions architect to design the logical structure for the solution. The solution will use the following architecture:



#### Solution components

The solution will use Azure Traffic Manager to distribute traffic. The solution will use API Management to provide caching for the Event Service. Partner companies will interact with the solution by using the Event Service API. This API will be implemented as an ASP.NET Core Web API that runs as an Azure Web App. Event data will be stored in Cosmos DB using the Document API.

The solution will be highly available. You define regional Azure outages as periods of 60 seconds or more where the Event Service is not available.

An Azure WebJob named EventJob will be deployed with the Event Service Web App. The WebJob:

- ?Creates new computed events when partner events are created.

- ?Must be active whenever the Event Service is running.

- ?Is updated once a quarter.

Trey Research Inc. has developer teams that work with a variety of operating systems including Windows, Linux, and MacOS.

#### Event Service

Individual events must be immutable. Event data can be up to 800 kilobytes (KB) in size. The Event Service must meet the following requirements:

- ?Use REST-based design

- ?Cache data whenever possible.

- ?Support both JSON and XML-based data.

- ?Log customer information whenever data is modified.

- ?Include the X-Customer header in all calls to identify the partner. Regional access to the Event Service API

Data for partners in Germany and Brazil must be served from Azure datacenters in their respective geographies unless there is a regional Azure outage. All other partners must use the US West Azure datacenter.

#### Testing

All testing must interact directly with the Web App backend. Automated testing of the solution is performed using a remote third-party testing solution.

#### Event data

You identify the following requirements for the event data store:

- ?Each partner's event data must be stored in a Collection that is specific to the partner.

- ?Event data must be available if a regional Azure outage occurs.

- ?Event read and write operations for a single partner must always store events in the correct order.

#### Event API

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

##### Event.cs

```

EE01 public class Event
EE02 {
EE03     public string Name { get; set; }
EE04 }
    
```

##### IEventDB

```

IE01 public interface IEventDB
IE02 {
IE03     IEnumerable<Event> LoadEvents();
IE04     void SaveEvent (Event @event);
IE05     string CurrentCustomer { get; set; }
IE06 }
    
```



**EventDB.cs**

```
ED01 public class EventDB : IEventDB
ED02 {
ED03     private DocumentClient client;
ED04     public IEnumerable<Event> LoadEvents ()
ED05     {
ED06         . . .
ED07     }
ED08     public void SaveEvent(Event @event)
ED09     {
ED10         . . .
ED11     }
ED12     public string CurrentCustomer { get; set; }
ED13 }
```

**EventController.cs**

```
EC01 [Route("api/events")]
EC02 public class EventsController : Controller
EC03 {
EC04     public IFileProvider FileProvider { get; }
EC05     public IEventDB EventDB { get; }
EC06     public EventsController(IFileProvider fileProvider, IEventDB eventDB)
EC07     {
EC08         FileProvider = fileProvider;
EC09         EventDB = eventDB;
EC10     }
EC11
EC12 [HttpGet]
EC13 public IEnumerable<Event> GetEvents()
EC14 {
EC15     return EventDB.LoadEvents();
EC16 }
EC17
EC18
EC19 }
```

Event processing

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

**Program.cs**

```
PR01 using System
PR02 using System.Collections.Generic;
PR03 using System.Linq;
PR04 using System.Text;
PR05 using System.Threading.Tasks;
PR06 using Microsoft.Azure.WebJobs;
PR07 namespace EventJob
PR08 {
PR09     class Program
PR10     {
PR11         static void Main()
PR12         {
PR13             var config = new JobHostConfiguration();
PR14             var host = new JobHost(config);
PR15             host.RunAndBlock();
PR16         }
PR17     }
PR18 }
```

**ComputedEventProcessor.cs**

```
CE01 public class ComputedEventProcessorBebJob
CE02 {
CE03     public static void ProcessQueueMessage ([QueueTrigger ("eventprocess")] string message, TextWriter log)
CE04     {
CE05         . . .
CE06     }
CE07 }
```

Middleware Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

## CustomerMiddleware.cs

```
CM01 public class CustomerMiddleware
CM02 {
CM03     private readonly RequestDelegate _next;
CM04     public CustomerMiddleware (RequestDelegate next)
CM05     {
CM06         _next = next;
CM07     }
CM08     public async Task Invoke(HttpContext httpContext, IEventDB store)
CM09     {
CM10         var user = httpContext.Request.Headers["X-Customer"];
CM11         store.CurrentCustomer = user;
CM12         await _next(httpContext);
CM12     }
CM14 }
```

### NEW QUESTION 54

You need to configure DNS for the Event service. How many DNS entries should you create?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** C

#### Explanation:

Scenario: Regional access to the Event Service API

Data for partners in Germany and Brazil must be served from Azure datacenters in their respective geographies unless there is a regional Azure outage. All other partners must use the US West Azure datacenter.

### NEW QUESTION 58

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

### NEW QUESTION 63

#### DRAG DROP

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.)

GET

POST

INSERT

DELETE

CREATE

READ

UPDATE

ADD

PUT

Answer Area

Action	HTTP method	Relative URI
Retrieve a list of all customers		/api/customers
Retrieve a customer by id		/api/customers/ <i>id</i>
Retrieve a customer by category		/api/customer/?category= <i>category</i>
Create a new customer		/api/customers
Update a customer		/api/customers/ <i>id</i>
Remove a customer		/api/customers/ <i>id</i>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Action	HTTP method	Relative URI
Retrieve a list of all customers	GET	/api/customers
Retrieve a customer by id	GET	/api/customers/ <i>id</i>
Retrieve a customer by category	GET	/api/customer/?category= <i>category</i>
Create a new customer	POST	/api/customers
Update a customer	PUT	/api/customers/ <i>id</i>
Remove a customer	DELETE	/api/customers/ <i>id</i>

NEW QUESTION 67

DRAG DROP

You are developing an ASP.NET MVC Web API image management application. The application must meet the following requirements:

- ?It must send or receive image data without the use of a buffer.
- ?It must allow up to 4 MB of image data to be received.
- ?It must allow up to 3 MB of image data to be sent.

You need to complete the code to meet the requirements.

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.)



config

server

MaxBufferSize

MaxReceivedMessageSize

MaxConcurrentRequests

Streamed

Buffered

**Answer Area**

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );

        [ ] . [ ] = 1024 * 1024 * 3;

        [ ] . [ ] = 1024 * 1024 * 4;

        [ ] .TransferMode =

        TransferMode. [ ] ;

        var server = new HttpSelfHostServer(config);
        server.OpenAsync().Wait();
    }
        
```

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );
    }
}
        
```

config

MaxBufferSize

= 1024 \* 1024 \* 3;

config

MaxReceivedMessageSize

= 1024 \* 1024 \* 4;

config

.TransferMode =

TransferMode. Streamed ;

```

var server = new HttpSelfHostServer(config);
server.OpenAsync().Wait();
}
        
```

#### NEW QUESTION 71

You are preparing to develop a set of libraries for a company. The libraries must be shared across the company. You need to create a remote NuGet feed that exposes the libraries. What should you do? (Each answer presents part of the solution. Choose all that apply.)

- A. Install the NuGet.Feed Package.  
B. Install the NuGet.Server Package.  
C. Configure the Packages folder located in the system.webserver section of the web application's Web.config.  
D. Create a new Empty Web Site in Visual Studio 2012.

- E. Configure the Packages folder located in the appSettings section of the web application's Web.config.
- F. Add packages to the Packages folder.
- G. Create a new Empty Web Application in Visual Studio 2012.

**Answer:** BEFG

**Explanation:**

Explanation/Reference:



**NEW QUESTION 75**

You are developing a library to support multiple ASP.NET MVC web applications on a shared server. The library provides implementations of security algorithms. If a problem with any of the security algorithms is discovered, a new version of the library must be created and deployed. Application downtime during the update must be minimized. You need to ensure that the new version of the library will be used by all applications as soon as possible. What should you do?

- A. Build the web applications and include the security assembly as an embedded resource
- B. When an update is needed, copy the new assembly to the bin directory for the application.
- C. Sign all assemblies in each application with the same key used to sign the security assembly. When an update is needed, create a new key pair and re-sign all assemblies.
- D. Build the security assembly as a netmodule in a shared location. Use the assembly linker to merge the netmodule into the assemblies for the application.
- E. When an update is needed, update the netmodule in the shared location.
- F. Install the security assembly in the Global Assembly Cache (GAC). When an update is needed, update the assembly in the GAC.

**Answer:** D

**NEW QUESTION 76**

DRAG DROP

You are developing a self-hosted WCF service that returns stock market information. The service must be discoverable by any client application. You need to build the service host.

How should you build the host? (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.)

UdpDiscoveryEndpoint

DiscoveryEndpoint

ServiceBehaviorAttribute

ServiceDiscoveryBehavior

ServiceHost

Answer Area

```

static void Main(string[] args)
{
    Uri StockURI = new Uri("http://localhost:8733/StockTicker");
    var mytype = typeof(StockTickerService);

    using (  host

        = new  (mytype, StockURI)
        {
            host.AddServiceEndpoint(typeof(ISTockTickerService),
                new WSHttpBinding(), "");

            host.Description.Behaviors.Add(new  ());

            host.AddServiceEndpoint(new  ());

            host.Open();
            Console.ReadLine();
            host.Close();
        }
    }
                
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
static void Main(string[] args)
{
    Uri StockURI = new Uri("http://localhost:8733/StockTicker");
    var mytype = typeof(StockTickerService);

    using ( ServiceHost host
        = new ServiceHost (mytype, StockURI))
    {
        host.AddServiceEndpoint(typeof(IStockTickerService),
            new WSHttpBinding(), "");

        host.Description.Behaviors.Add(new ServiceDiscoveryBehavior ());

        host.AddServiceEndpoint(new UdpDiscoveryEndpoint ());

        host.Open();
        Console.ReadLine();
        host.Close();
    }
}
```

#### NEW QUESTION 78

You are developing a WCF service that compares several data sources. The service takes a long time to complete.

The service must meet the following requirements:

?The client must be able to continue processing while the service is running.

?The service must initiate communication with the client application when processing is complete.

You need to choose a message pattern to meet the requirements. Which message pattern should you choose?

- A. One Way
- B. Streaming
- C. Duplex
- D. Request/Reply

**Answer: C**

#### NEW QUESTION 83

DRAG DROP

You are developing a WCF service.

You need to implement transport security by using NTLM authentication and NetTcpBindings.

Which configuration values should you use? (To answer, drag the appropriate configuration values to the correct location or locations 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.)

	Answer Area
binding="netTcpBinding"	<system.serviceModel> <protocolMapping>
binding="Duplex"	<add scheme="https" />
binding="NtlmTcp"	</protocolMapping>
mode="netBindingTcp"	<bindings>
mode="Transport"	<wsHttpBinding>
mode="Duplex"	<binding>
clientCredentialType="netTcpBinding"	<security >
clientCredentialType="NtlmTcp"	<transport />
clientCredentialType="Ntlm"	</security>
	</binding>
	</wsHttpBinding>
	</bindings>
	</system.serviceModel>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



binding="Duplex"

binding="NtlmTcp"

mode="netBindingTcp"

mode="Duplex"

clientCredentialType="netTcpBinding"

clientCredentialType="NtlmTcp"

Answer Area

```
<system.serviceModel>
  <protocolMapping>

    <add scheme="https" binding="netTcpBinding" />

  </protocolMapping>
  <bindings>
    <wsHttpBinding>
      <binding>

        <security mode="Transport" >

          <transport clientCredentialType="Ntlm" />

        </security>
      </binding>
    </wsHttpBinding>
  </bindings>
</system.serviceModel>
```

#### NEW QUESTION 86

##### DRAG DROP

You are developing a WCF service. The service will stream messages to clients on the internal network.

You must use Windows Authentication, and all messages must be binary encoded. You need to configure the service.

What should you do? (To answer, drag the appropriate elements to the correct location or locations in the answer area. Each 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.)

namedNetBinding

netTcpBinding

binHttpsBinding

httpBasicBinding

mode="Ignore"

mode="Transport"

mode="Direct"

Answer Area

```
<system.serviceModel>
  <bindings>

    < < > >

    <binding>
      <security < > />
    </binding>

  </ < > >

</system.serviceModel>
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
<system.serviceModel>
  <bindings>

    <netTcpBinding>

      <binding>
        <security mode="Transport" />
      </binding>
    </netTcpBinding>

  </bindings>
</system.serviceModel>
```

#### NEW QUESTION 91

DRAG DROP

You are creating a WCF service.

The service endpoints must be exposed to the Windows Azure Service Bus. The service bus has a namespace named RestaurantSB. The key provider is "owner".

You need to modify the web.config file to expose the endpoints.

How should you modify the file? (To answer, drag the appropriate attributes to the correct location or locations in the answer area. Each attribute 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	
<div>issuerName</div>	<services>
<div>Contract</div>	<service name="RestaurantService.MenuService">
<div>issuerKey</div>	<endpoint address="sb://RestaurantServiceBus.servicebus.windows.net/Menu" binding="netTcpRelayBinding" behaviorConfiguration="sbBehavior" />
<div>User</div>	</service>
<div>issuerSecret</div>	</services>
	<behaviors>
	<endpointBehaviors>
	<behavior name="sbBehavior">
	<transportClientEndpointBehavior>
	<tokenProvider>
	<sharedSecret value="owner" />
	</tokenProvider>
	</transportClientEndpointBehavior>
	</behavior>
	</endpointBehaviors>
	</behaviors>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

```
<services>
  <service name="RestaurantService.MenuService">

    <endpoint Contract="RestaurantService.IMenuService"

      binding="netTcpRelayBinding"
      address="sb://RestaurantServiceBus.servicebus.windows.net/Menu"
      behaviorConfiguration="sbBehavior"/>
    </service>
  </services>
  <behaviors>
    <endpointBehaviors>
      <behavior name="sbBehavior">
        <transportClientEndpointBehavior>
          <tokenProvider>
            <sharedSecret

              issuerName="owner"

              issuerSecret="1oAFgNsbaN8+UIN737K="/>

            </tokenProvider>
          </transportClientEndpointBehavior>
        </behavior>
      </endpointBehaviors>
    </behaviors>
```

**NEW QUESTION 94**

**DRAG DROP**

You are developing a WCF service.

You need to implement transport security by using NTLM authentication and NetTcpBindings.

Which configuration values should you use? (To answer, drag the appropriate configuration values to the correct location or locations 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.)

	Answer Area
<code>binding="netTcpBinding"</code>	<code>&lt;system.serviceModel&gt;</code>
<code>binding="Transport"</code>	<code>&lt;protocolMapping&gt;</code>
<code>binding="Ntlm"</code>	<code>&lt;add scheme="https" /&gt;</code>
<code>mode="netTcpBinding"</code>	<code>&lt;/protocolMapping&gt;</code>
<code>mode="Transport"</code>	<code>&lt;bindings&gt;</code>
<code>mode="Ntlm"</code>	<code>&lt;wsHttpBinding&gt;</code>
<code>clientCredentialType="netTcpBinding"</code>	<code>&lt;binding&gt;</code>
<code>clientCredentialType="Transport"</code>	<code>&lt;security &gt;</code>
<code>clientCredentialType="Ntlm"</code>	<code>&lt;transport /&gt;</code>
	<code>&lt;/security&gt;</code>
	<code>&lt;/binding&gt;</code>
	<code>&lt;/wsHttpBinding&gt;</code>
	<code>&lt;/bindings&gt;</code>
	<code>&lt;/system.serviceModel&gt;</code>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



```
<system.serviceModel>
  <protocolMapping>

    <add scheme="https" binding="netTcpBinding" />

  </protocolMapping>
  <bindings>
    <wsHttpBinding>
      <binding>

        <security mode="Transport" />

        <transport clientCredentialType="Ntlm" />

      </security>
    </binding>
  </wsHttpBinding>
</bindings>
</system.serviceModel>
```

**NEW QUESTION 96**

You are designing an ASP.NET Web API application.

You need to select an HTTP verb to allow blog administrators to remove a comment. Which HTTP verb should you use?

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

**Answer: B**

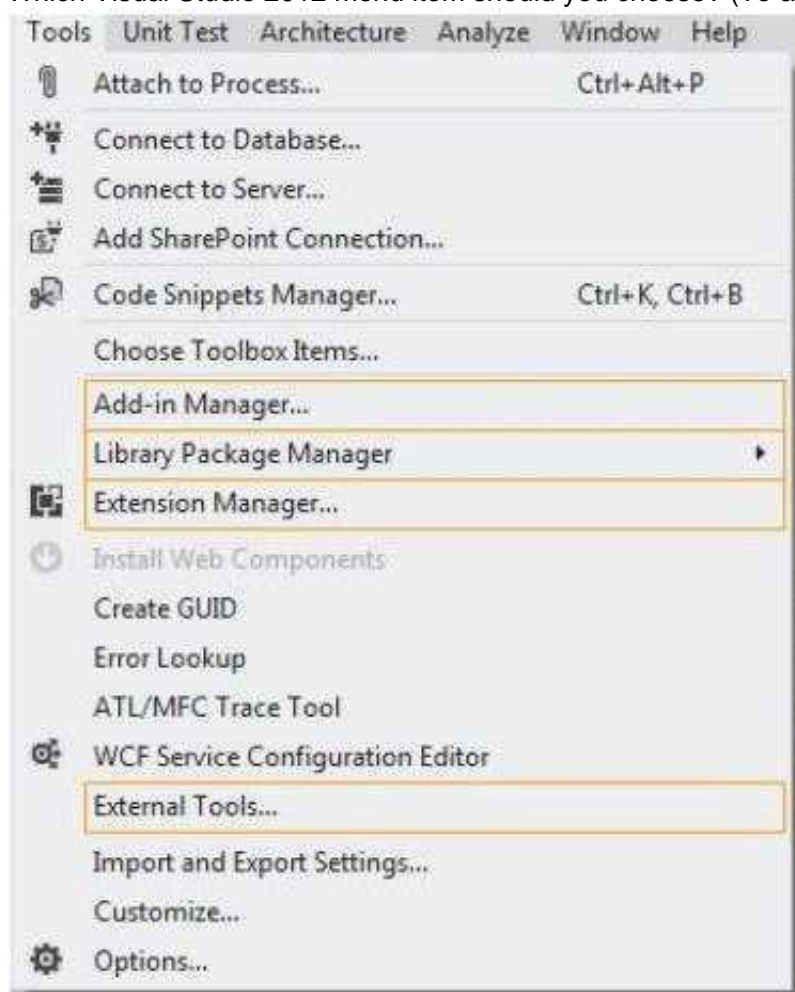
**NEW QUESTION 99**

HOTSPOT

You are supporting an application that uses the ADO.NET Entity Framework to query and access data.

The latest version of Entity Framework contains bug fixes that will improve performance. You need to update Entity Framework.

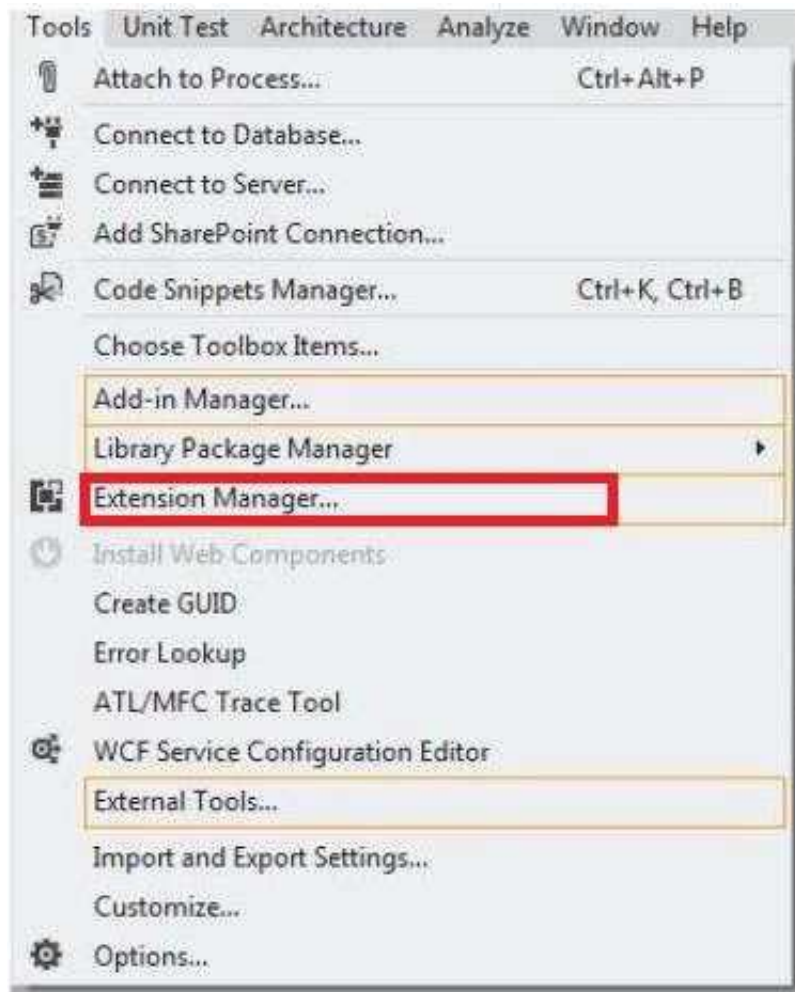
Which Visual Studio 2012 menu item should you choose? (To answer, select the appropriate menu item in the answer area.)



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



#### NEW QUESTION 101

You are developing an ASP.NET MVC application.

Deployment administrators do not have access to Visual Studio 2102, but will have the elevated permissions required to deploy the application to the servers.

You need to select a deployment tool for use by the deployment administrators. Which tool should you use?

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

**Answer: B**

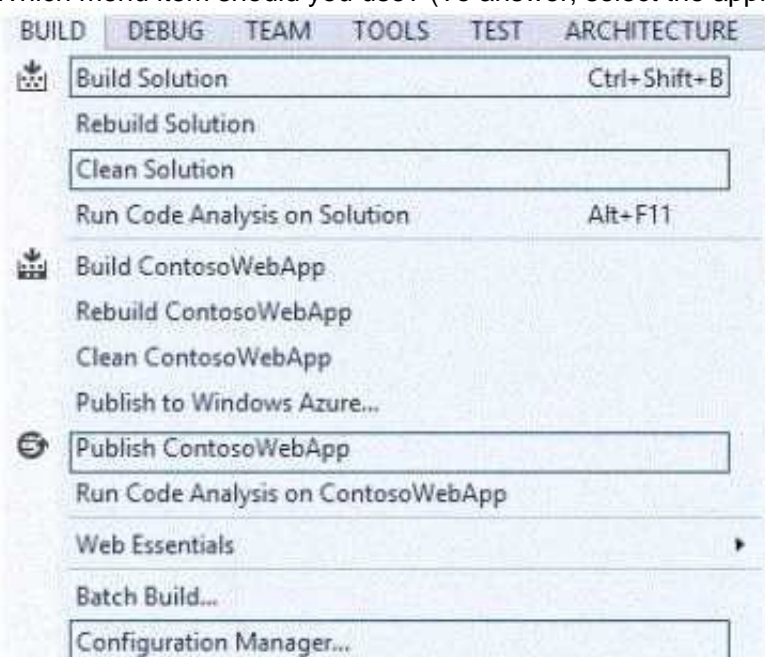
#### NEW QUESTION 102

HOTSPOT

You are developing an ASP.NET MVC application named ContosoWebApp. You are ready to deploy the application to your production web server.

You need to import the publishing profile.

Which menu item should you use? (To answer, select the appropriate menu item in the answer area).



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**NEW QUESTION 107**

You are developing an ASP.NET MVC application that displays a report. The report includes large images that are stored in a database. Members of the EntityClient namespace are used to access the database through the ADO.NET Entity Framework data model.

You need to prevent memory exceptions while generating a report using the EntityDataReader type.

Which CommandBehavior type should you use?

- A. FastForwardReadOnly
- B. SequentialAccess
- C. SingleResult
- D. SingleRow

**Answer:** B

**Explanation:**

SequentialAccess

Provides a way for the DataReader to handle rows that contain columns with large binary values. Rather than loading the entire row, SequentialAccess enables the DataReader to load data as a stream.

**NEW QUESTION 110**

You are developing an ASP.NET MVC application. The application has a page that searches for and displays 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 database table.

You need to run a query that returns only the image while minimizing the amount of data that is transmitted.

Which method of the EntityCommand type should you use?

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

**Answer:** A

**Explanation:**

ExecuteScalar

Executes the command, and returns the first column of the first row in the result set. Additional columns or rows are ignored.

**NEW QUESTION 113**

DRAG DROP

You are developing a WCF service.

You need to configure the web.config file to ensure that metadata is exposed only via the MEX protocol.

You have the following markup:



```
<services>
  <service behaviorConfiguration="behavior"
    name="CustomerService.Service">
    <endpoint binding="basicHttpBinding"
      contract="CustomerService.IService" />
    <endpoint address="mex" binding="Target 1"
      contract="Target 2" />
  </service>
</services>
<behaviors>
  <serviceBehaviors>
    <behavior name="behavior">
      <serviceMetadata
        Target 3="Target 4" />
    </behavior>
  </serviceBehaviors>
</behaviors>
```

Which XML elements should you include in Target 1, Target 2, Target 3 and Target 4 to complete the markup? (To answer, drag the appropriate XML elements to the correct targets 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.)

XML Elements	Answer Area
<input type="text" value="httpGetBinding"/>	Target 1: <input type="text" value="XML Element"/>
<input type="text" value="httpGetEnabled"/>	Target 2: <input type="text" value="XML Element"/>
<input type="text" value="mexHttpBinding"/>	Target 3: <input type="text" value="XML Element"/>
<input type="text" value="mexTcpBinding"/>	Target 4: <input type="text" value="XML Element"/>
<input type="text" value="mexNamedPipeBinding"/>	
<input type="text" value="true"/>	
<input type="text" value="false"/>	
<input type="text" value="CustomerService.IService"/>	
<input type="text" value="IMetadataExchange"/>	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Target 1:	<input type="text" value="mexHttpBinding"/>
Target 2:	<input type="text" value="IMetadataExchange"/>
Target 3:	<input type="text" value="httpGetEnabled"/>
Target 4:	<input type="text" value="false"/>

#### NEW QUESTION 116

You are developing a .NET application that uses the HttpClient type to call an ASP.NET Web API application. The API call returns a list of customers in JSON format and logs the results. The URI for the API call is in a variable named address.

You need to make the API call without blocking. Which code segment should you use?

- ☐ A. 

```
HttpClient client = new HttpClient();
client.GetAsync(address).ContinueWith(
    (task) =>
    {
        task.Result.Content.ReadAsAsync<JsonArray>().ContinueWith(
            (readTask) =>
            {
                foreach (var value in readTask.Result)
                {
                    Logger(value.ToString());
                }
            }
        );
    }
);
```
- ☐ B. 

```
HttpClient client = new HttpClient();
var task = client.GetAsync(address).Result;

var readTask = task.Content.ReadAsAsync<JsonObject>().Result;

foreach (var value in readTask)
{
    Logger(value.ToString());
}
```
- ☐ C. 

```
HttpClient client = new HttpClient();
var task = client.GetAsync(address).Result;

var readTask = task.Content.ReadAsAsync<JsonArray>().Result;

foreach (var value in readTask)
{
    Logger(value.ToString());
}
```
- ☐ D. 

```
HttpClient client = new HttpClient();
client.GetAsync(address).ContinueWith(
    (task) =>
    {
        task.Result.Content.ReadAsAsync<JsonObject>().ContinueWith(
            (readTask) =>
            {
                foreach (var value in readTask.Result)
                {
                    Logger(value.ToString());
                }
            }
        );
    }
);
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer:** A

**Explanation:**

Example:

// Create an HttpClient instance

11: HttpClient client = new HttpClient(); 12:

13: // Send a request asynchronously continue when complete 14: client.GetAsync(\_address).ContinueWith(

15: (requestTask) =>

```
16: {  
17: // Get HTTP response from completed task.  
18: HttpResponseMessage response = requestTask.Result; 19:  
20: // Check that response was successful or throw exception 21: response.EnsureSuccessStatusCode();  
22:  
23: // Read response asynchronously as JsonValue and write out top facts for each country  
24: response.Content.ReadAsAsync<JsonArray>().ContinueWith(  
25: (readTask) =>
```

#### NEW QUESTION 119

DRAG DROP

You are developing a .NET application that uses the HttpClient type to access an ASP.NET Web API application.

You need to add a header to specify that data is returned as JSON. You have the following code:

```
HttpClient client = new HttpClient () ;  
Client.DefaultRequestHeaders.  
    Add("Target 1", "Target 2");
```

Which code segments should you include in Target 1 and Target 2 to complete the code? (To answer, drag the appropriate code segments to the correct targets 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)

Code Segments	Answer Area
<div>ContentType</div>	Target 1: <div>Code Segment</div>
<div>Accept</div>	Target 2: <div>Code Segment</div>
<div>AcceptEncoding</div>	
<div>application/xhtml+xml</div>	
<div>application/xml</div>	
<div>application/json</div>	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Target 1:	<div>Accept</div>
Target 2:	<div>application/json</div>

#### NEW QUESTION 120

HOTSPOT

You are developing a WCF service.

The service must be interoperable with ASP.NET web service clients. In addition, it must have a time-out of three hours.

You need to configure the service to meet the requirements. You have the following markup:



```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <system.serviceModel>
    <services>
      <service name="MyNamespace.Orderservice">
        <endpoint address=""
          contract="MyNamespace.IOrderservice"
          binding="Target 1"
          bindingConfiguration="Target 2">
        </endpoint>
      </service>
    </services>
    <bindings>
      <Target 3>
        <binding name="Target 4"
          Target 5="Target 6"/>
      </Target 7>
    </bindings>
  </system.serviceModel>
</configuration>
```

Which markup segments should you include in Target 1, Target 2, Target 3, Target 4, Target 5, Target 6 and Target 7 to complete the markup? (To answer, select the appropriate markup segment from each drop-down list in the answer area.)

## Answer Area

Target 1:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

Target 2:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

Target 3:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

Target 4:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

Target 5:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

Target 6:

▼

03:00:00  
00:03:00  
00:00:03

Target 7:

▼

basicHttpBinding  
closeTimeout  
timeout  
wsHttpBinding

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

Target 1:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

Target 2:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

Target 3:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

Target 4:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

Target 5:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

Target 6:

03:00:00

00:03:00

00:00:03

Target 7:

basicHttpBinding

closeTimeout

timeout

wsHttpBinding

### NEW QUESTION 121

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:** A

### NEW QUESTION 125

DRAG DROP

You are supporting a WCF data contract that returns a price calculation that can be expanded to add new data members. Clients using the old version of the data contract must be supported. You need to define the data contract so that the data serializer can put unknown data members into a property bag. You have the following code:



```
[DataContract]
public class PriceCalculationResponse : Target 1
{
    public Target 2 ExtensionData { get; set; }
    [DataMember]
    public int Flag { get; set; }
    [DataMember]
    public double Price { get; set; }
    [DataMember]
    public string Currency { get; set; }
}
```

Which code segments should you include in Target 1 and Target 2 to complete the data contract? (To answer, drag the appropriate code elements to the correct targets in the answer area. Each code 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.)

Code Elements	Answer Area
<div>ExpansionDataObject</div>	Target 1: <div>Code Element</div>
<div>IExtensibleDataObject</div>	Target 2: <div>Code Element</div>
<div>IExpansionDataObject</div>	
<div>ExtensionDataObject</div>	
<div>ExtensionData</div>	
<div>IExtensionDataObject</div>	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Target 1:	<div>IExtensibleDataObject</div>
Target 2:	<div>ExtensionDataObject</div>

### NEW QUESTION 129

#### HOTSPOT

You are developing an application.

The application must be deployed from Team Foundation Server after a successful build is completed. The Process tab of the Build Definition screen is shown in the exhibit. (Click the Exhibit button.)

- 1. Required
  - ▷ Items to Build
- 2. Basic
  - ▷ Automated Tests
    - Build Number Format
    - Clean Workspace
    - Logging Verbosity
    - Perform Code Analysis
  - ▷ Source And Symbol Server Settings
- 3. Advanced
  - ▷ Agent Settings
    - Analyze Test Impact
    - Associate Changesets and Work Items
    - Create Work Item on Failure
    - Disable Tests
    - Get Version
  - Analyze Test Impact
  - Associate Changesets and Work Items
  - Create Work Item on Failure
  - Disable Tests
  - Get Version
  - Label Sources
  - MSBuild Arguments
  - MSBuild Multi-Proc
  - MSBuild Platform
  - Private Drop Location
  - Solution Specific Build Outputs

You need to configure the automated deployment.

In which section should you define the parameters for the automated deployment? (To answer, select the appropriate section in the answer area.)

**Answer Area**

- 1. Required
  - ▷ Items to Build
- ...
- 3. Advanced
  - ...
  - MSBuild Arguments
  - MSBuild Multi-Proc
  - MSBuild Platform
  - Private Drop Location
  - Solution Specific Build Outputs

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

- 1. Required
  - ▷ Items to Build
- ...
- 3. Advanced
  - ...
  - MSBuild Arguments
  - MSBuild Multi-Proc
  - MSBuild Platform
  - Private Drop Location
  - Solution Specific Build Outputs

**NEW QUESTION 131**

DRAG DROP

You are developing an Internet-based ASP.NET Web API application that manages pet data.

You install an SSL certificate on the web server to encrypt calls to the API. You create a class named PetAuthorization, which inherits from a type named AuthorizeAttribute, and implements the OnAuthorization() method.

You need to implement basic authentication for the API.

What should you do? (To answer, drag the appropriate words to the correct targets in the answer area. Words 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)

Words	Answer Area	
<div>Forms</div>	<p>Set the authentication mode in the web.config file to</p> <div>Word</div> , then apply the <div>Word</div>	
<div>None</div>		attribute to the controller. Finally, add code to the AuthorizeAttribute to return a
<div>Windows</div>		<div>Word</div> header in the case of a failed authentication.
<div>Authorize</div>		
<div>PetAuthorization</div>		
<div>SecurityPermission</div>		
<div>WWW-Authenticate</div>		
<div>Authorization</div>		
<div>Proxy-Authenticate</div>		
<div>Allow</div>		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Set the authentication mode in the web.config file to

None

, then apply the 

PetAuthorization

attribute to the controller. Finally, add code to the AuthorizeAttribute to return a

WWW-Authenticate

 header in the case of a failed authentication.

NEW QUESTION 136

You are developing an ASP.NET MVC application. The application is an order processing system that uses the ADO.NET Entity Framework against a SQL Server database. It has a controller that loads a page that displays customers. Customers are filtered on Country and, if provided, on CompanyName. You have an Entity Framework context named db. The Customer class is shown below.

```
public partial class Customer
{
    ...
    public string CustomerID { get; set; }
    public string CompanyName { get; set; }
    public string ContactName { get; set; }
    public string Country { get; set; }
    ...
}
```

You need to execute a single deferred query to return the filtered list of customers. Which code segment should you use?



- ☐ A. 

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ B. 

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IEnumerable<Customer> query = db.Customers.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ C. 

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers.Where(c => c.Country == country);
    query.Load();
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ D. 

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers;
    query.Load();
    query = query.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

Answer: C

#### NEW QUESTION 137

##### DRAG DROP

You are developing a web application by using Microsoft ASP.NET MVC. The application manages company employees and managers.

Each employee is assigned to a manager.

You need to write a LINQ query to retrieve the list of managers and their respective employees.

How should you complete the code? To answer, drag the appropriate keywords to the correct targets. Each keyword 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.

Methods	Answer area
<div> <div>equals</div> <div>from</div> <div>in</div> <div>join</div> <div>select</div> </div>	<pre>var query = from manager in managers              [ ] employee in employees [ ] manager [ ] employee.manager              [ ] new {ManagerName = manager.FirstName, EmployeeName = employee.Name};</pre>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

References: <https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/concepts/linq/basic-linq-query-operations>

**NEW QUESTION 139**

You have a Microsoft Visual Studio project named Project1 that is deployed as an Azure web app. The Azure web app uses an Azure SQL Database. You plan to deploy updates to the Azure web app by using a Web Deploy Package. The password for the Azure SQL Database was changed since you first published the Azure web app. You need to deploy the package by using Windows PowerShell. Which file should you modify before running the PowerShell deployment script?

- A. WebApiConfig.cs from the App\_Start folder  
B. IdentityConfig.cs from the App\_Start folder  
C. App.config from the Web Application folder  
D. Project1-waws-dev.json from the Configurations folder

**Answer:** A

**NEW QUESTION 140**

**HOTSPOT**

You have a Windows Communication Foundation (WCF) service named Service1. You deploy the WCF service at the root level of a website in Azure. The address of the Azure website is <http://service1.azurewebsites.net/>. You need to generate a .cs file that can be used to interact with Service1. What command should you run? To answer, select the appropriate options in the answer area.

## Answer Area

<div>regasm.exe</div> <div>sn.exe</div> <div>svcutil.exe</div>	<div> <a href="http://service1.azurewebsites.net/">http://service1.azurewebsites.net/</a>  <a href="svc://service1.azurewebsites.net/">svc://service1.azurewebsites.net/</a>  <a href="tcp://service1.azurewebsites.net/">tcp://service1.azurewebsites.net/</a> </div>	<div>service1.asmx</div> <div>service1.svc</div> <div>service1.wsdl</div>
--	--	---

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

References: <https://stackoverflow.com/questions/23997821/how-to-generate-wcf-service-with-svcutil-exe>

**NEW QUESTION 143**

**DRAG DROP**

You have an application that uses an Entity Framework context. Lazy loading is disabled for the context. The application uses an Azure SQL Database named Students. You need to retrieve the courses of a student who has an ID of 100. The solution must use lazy loading. Which five code blocks should you use? Develop the solution by selecting and arranging the required code blocks in the correct order. NOTE: You will not need all of the code blocks.



## Code Blocks

```
context.Entry(student).Collection(s =>
s.Courses).Load();
```

```
Student student = students.Where(s =>
s.StudentID == 100).FirstOrDefault<Student>();
```

```
using (var context = new SchoolEntities())
{
```

```
IList<Student> Students =
context.Students.ToList<Student>();
```

```
foreach (var course in student.Courses)
Console.WriteLine(student.Course.Name);
}
```

```
IList<Student> students =
context.Students.Include
("Courses").ToList<Student>();
```

```
foreach (var course in student.Courses)
Console.WriteLine(course.CourseName);
}
```

```
context.Entry(student).Collection(s =>
s.Courses);
```

## Answer Area



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

References: <http://www.entityframeworktutorial.net/Querying-with-EDM.aspx>

### NEW QUESTION 144

You have a Web.config file that contains the following markup.

```
<?xml version="1.0"?>
<configuration>
  <appSettings>
    <add key="Key1" value="Value1" />
    <add key="Key2" value="Value2" />
    <add key="Key3" value="Value3" />
  </appSettings>
</configuration>
```

You need to use an XSLT transformation to remove the add tag for Key3. Which markup should you use?

- A. <add key="Key3" xdt:Transform="Remove" />
- B. <add key="Key3" xdt:Transform="Remove" xdt:Locator="Match(/configuration/appSettings/add[@key='Key3'])"/>



- C. <add xdt:Transform="Remove" />  
D. <add key="Key3" xdt:Transform="Remove" xdt:Locator="Match(key)" />

**Answer:** D

**Explanation:**

References: [https://msdn.microsoft.com/en-us/library/dd465326\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/dd465326(v=vs.110).aspx)

**NEW QUESTION 146**

DRAG DROP

You are developing an ASP.NET MVC Web API application. The application must meet the following requirements:

?It must send or receive data without the use of a buffer.

?It must allow up to 1 MB of data to be received.

?It must allow up to 2 MB of data to be sent.

You need to complete the code to meet the requirements. You have the following code:

```
class Program
{
    private static string _baseAddress = "http://localhost:8080/";
    static void Main (string [] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id=RouteParameter.Optional }
        );
        Target 1 . Target 2 = 1024*1024*2;
        Target 3 . Target 4 = 1024*1024;
        Target 5 . TransferMode =
            TransferMode. Target 6;
        var server = new HttpSelfHostServer (config);
        server.OpenAsync(). Wait();
    }
}
```

What code segments should you include in Target 1, Target 2, Target 3, Target 4, Target 5 and Target 6 to complete the code? (To answer, drag the appropriate code segments to the correct targets 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.)

**Code segments**

- config
- server
- MaxBufferSize
- MaxReceivedMessageSize
- MaxConcurrentRequests
- Streamed
- Buffered

**Answer area**

- Target 1: Code Segment
- Target 2: Code Segment
- Target 3: Code Segment
- Target 4: Code Segment
- Target 5: Code Segment
- Target 6: Code Segment

- A. Mastered  
B. Not Mastered

**Answer:** A

Explanation:

## Code segments

## Answer area

server

MaxConcurrentRequests

Buffered

Target 1:

config

Target 2:

MaxBufferSize

Target 3:

config

Target 4:

MaxReceivedMessageSize

Target 5:

config

Target 6:

Streamed

### NEW QUESTION 151

You are developing a web application by using Microsoft .NET Framework 4.5.

You are creating a web client for the application. The web client will make REST calls to several web services.

You need to ensure that the web client meets the following requirements:

?Uses the Task class to perform asynchronous operations

?Reuses recently resolved DNS lookups

Which object should you include in the solution?

- A. ServiceClient
- B. WebClient
- C. HttpClient
- D. WebRequest

**Answer:** C

**Explanation:**

References: <https://www.c-sharpcorner.com/article/calling-web-api-using-httpclient/>

### NEW QUESTION 155

DRAG DROP

You are developing an ASP.NET Core MVC web application. The application will use Entity Framework Core and a SQLite database.

You rename a property in the Customer data model. You attempt to apply the migration to the SQLite database and receive a NotSupportedException error that includes a table named Customer.

You need to resolve the migration error.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create an index on the existing Customer table.	<div><div><div>⏪</div><div>⏩</div></div><div><div>⏴</div><div>⏵</div></div></div>
Drop the index on the new Customer table.	
Drop the existing Customer table.	
Copy data from the existing Customer table to a new Customer table.	
Create a new Customer table.	
Rename the existing Customer table.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The SQLite provider has a number of migrations limitations. You can workaround some of these limitations by manually writing code in your migrations to perform a table rebuild. A table rebuild involves renaming the existing table, creating a new table, copying data to the new table, and dropping the old table.  
References: <https://docs.microsoft.com/en-us/ef/core/providers/sqlite/limitations>

NEW QUESTION 159

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 are developing a RESTful API that uses ASP.NET Core. You plan to host the API in Azure App Services. You provision a development environment in the application service.  
Developers must be able to deploy the API to the development environment. You must not share the Azure account credentials with developers.  
You need to ensure that developers can deploy the API to the development environment.  
Solution: Share the Publish profile for the application service with the developers. Use Web Matrix 2 for publishing.  
Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

You should use a Publishing Profile with Microsoft Visual Studio Publishing as WebMatrix enables developers to build websites, while Visual Studio Publishing is used to develop computer programs for Microsoft Windows, as well as web sites, web applications and web services.  
References: [https://msdn.microsoft.com/en-us/library/dd465337\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/dd465337(v=vs.110).aspx)

NEW QUESTION 160

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 have a web application in a Docker container image. You set the tag for the image as myapp. You plan to deploy the application to Azure Container Services. You run the following commands. All commands complete successfully.

```
az acr create --resource-group myResourceGroup --name myRegistry --sku Basic
az acr login --name myRegistry
```

You need to ensure that the image can be run on an Azure Container Service cluster.  
Solution: You run the following commands:



```
docker tag myapp myregistry.azurecr.io/samples/myapp
docker push myregistry.azurecr.io/samples/myapp
```

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

First tag the image, and the push it into your private registry.

References: <https://medium.com/@pjbgrf/azure-kubernetes-service-aks-pulling-private-container-images-from-azure-container-registry-acr-9c3e0a0a13f2>

**NEW QUESTION 163**

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 have developed a .NET Standard Library. You need to produce a NuGet package. Solution: Run the dotnet pack command Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Package the component with the NuGet pack command.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

**NEW QUESTION 168**

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 have developed a .NET Standard Library. You need to produce a NuGet package.

Solution: Run the msbuild command with the publish target specified. Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Package the component with the NuGet pack command.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

**NEW QUESTION 172**

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 have developed a .NET Standard Library. You need to produce a NuGet package. Solution: Run the NuGet pack command Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Package the component with the NuGet pack command, for example: nuget pack AppLogger.nuspec

This generates AppLogger.YOUR\_NAME.1.0.0.nupkg.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

**NEW QUESTION 173**

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 develop a REST API that uses Node.js. The API will store data in Azure Cosmos DB. You plan to deploy the API to a new Azure App Services Web App. You create a new Web App by using the Azure portal.

The API must be deployed by using SFTP.

You need to provide the proper deployment credentials to deploy the API. Solution: Use your Azure Cosmos DB master key and resource token.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Get FTP publishing profile and query for publish URL and credentials

References: <https://docs.microsoft.com/en-us/azure/app-service/scripts/app-service-cli-deploy-ftp>

#### NEW QUESTION 174

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 deploy an ASP.NET Core web application to Azure App Services. You are using Azure Event Hubs to collect the telemetry data for the application.

You need to configure Event Hubs to automatically deliver the telemetry data stream to a persistent data store.

Solution: Configure Event Hubs Capture to deliver data to Azure Blob storage. Does the solution meet the goal?

A. Yes

B. No

**Answer: A**

#### Explanation:

Azure Event Hubs Capture enables you to automatically deliver the streaming data in Event Hubs to an Azure Blob storage or Azure Data Lake Store account of your choice, with the added flexibility of specifying a time or size interval.

References: <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

#### NEW QUESTION 177

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 deploy an ASP.NET Core web application to Azure App Services. You are using Azure Event Hubs to collect the telemetry data for the application.

You need to configure Event Hubs to automatically deliver the telemetry data stream to a persistent data store.

Solution: Configure Azure Event Hubs Capture to deliver data to Azure SQL Database. Does the solution meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Use Azure Blob storage to store the telemetry data.

References: <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

#### NEW QUESTION 179

##### HOTSPOT

You are updating an existing multitenant ASP.NET MVC application for medical clinics. The application aggressively uses output caching to improve performance by caching content for 36 hours. The application uses a query string parameter named "clinicID" that contains the clinic that the user is currently viewing.

Users report that they are occasionally seeing data for the wrong clinic. Users also report that the application seems to take a long time to return data for a specific clinic even if they have viewed it recently.

You need to configure web.config to resolve the reported problems.

You have the following markup:

```
<キャッシング>
  <outputCacheSettings>
    <outputCacheProfiles>
      <clear />
      <add name="primaryCache"
        Target 1
        Target 2
        Target 3 > /
    </outputCacheProfiles>
  </outputCacheSettings>
</キャッシング>
```

Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? (To answer, select the correct markup segment from each drop-down list in the answer area.)

# Answer Area

Target 1:

	▼
noStore="true"	
noStore="false"	

Target 2:

	▼
varyByCustom="clinicID"	
varyByParam="clinicID"	
varyByControl="clinicID"	

Target 3:

	▼
duration="129600"	
duration="36h"	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Target 1: noStore="false"

The page that has the OutputCacheProfile.NoStore property set to true issues a response specifying in its header to prevent secondary storage of sensitive information.

Target 2: VaryByParam ="clinicID"

The VaryByParam is a semicolon-delimited set of parameters used to vary the cached output. It allows varying the cached output by GET query string or form POST parameters. For instance, you can vary the user-control output to the cache by specifying the user- control name along with either a query string or a form POST parameter.

Incorrect: Not varyByControl="ClinicID"

The VaryByControl is a semicolon-delimited set of IDs of controls to be cached. Target 3: duration=129600"

The Duration represents the time in seconds that the page or user control is cached. Setting this property establishes an expiration policy for HTTP responses from the page or control to which it applies and will automatically cause the caching of their output.

129600 seconds is 36 hours (60\*60\*36).

References: [https://msdn.microsoft.com/en-us/library/system.web.configuration.outputcacheprofile\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.web.configuration.outputcacheprofile(v=vs.110).aspx)

**NEW QUESTION 182**

HOTSPOT

You create the following Windows Communication Foundation (WCF) service.

```
namespace WcfEmployeeService
{
    [ServiceContract]
    public interface IEmployeeService
    { ... }

    public class EmployeeService : IEmployeeService
    { ... }
}
```

The service is accessible at the URL of http://Service1/EmployeeService.svc. You need to add the endpoint for the WCF service to the Web.config file. How should you complete the markup? To answer, select the appropriate options in the answer area.



## Answer Area

<endpoint		=	
	address		"http://Service1"
	binding		"http://Service1/EmployeeService.svc"
	bindingConfiguration		"NetTcpBinding"
	listenUri		"WSHttpBinding"

contract=		/>
	"WcfEmployeeService"	
	"WcfEmployeeService.EmployeeService"	
	"WcfEmployeeService.IEmployeeService"	

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: address

Box 2: "http://Service1/EmployeeService.svc"

In WCF, an EndpointAddress models an endpoint reference (EPR) as defined in the WS- Addressing standard.

The address URI for most transports has four parts. For example, this URI, "http://www.fabrikam.com:322/mathservice.svc/secureEndpoint" has the following four parts:

Scheme: http:

Machine: www.fabrikam.com (Optional) Port: 322

Path: /mathservice.svc/secureEndpoint Box 3:

The names and namespaces of the .NET types in the definition of contracts and operations are significant when contracts are converted into WSDL and when contract messages are created and sent. Therefore, it is strongly recommended that service contract names and namespaces are explicitly set using the Name and Namespace properties of all supporting contract attributes such as the ServiceContractAttribute, OperationContractAttribute, DataContractAttribute, DataMemberAttribute, and other contract attributes.

References: <https://docs.microsoft.com/en-us/dotnet/framework/wcf/specifying-an-endpoint-address>

<https://docs.microsoft.com/en-us/dotnet/framework/wcf/designing-service-contracts>

## NEW QUESTION 185

### HOTSPOT

You are creating a streamed Windows Communication Foundation (WCF) service. You implement the following service methods.

```
[ServiceContract]
public interface IEmployee
{
    [OperationContract]
    Stream EmployeeMethod1(string string1);

    [OperationContract]
    bool EmployeeMethod2(Message msg1);

    [OperationContract]
    IXmlSerializable EmployeeMethod3(Stream stream1, string string1);

    [OperationContract]
    int EmployeeMethod4(bool bool1, Message msg1);
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

## Answer Area

Statement	Yes	No
The input for EmployeeMethod3 is streamed.	<input type="radio"/>	<input type="radio"/>
The output for EmployeeMethod3 is streamed.	<input type="radio"/>	<input type="radio"/>
The input for EmployeeMethod4 is streamed.	<input type="radio"/>	<input type="radio"/>
The output for EmployeeMethod4 is streamed.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

To enable streaming, define the OperationContract appropriately and enable streaming at the transport level.  
To stream data, the OperationContract for the service must satisfy two requirements:  
References: <https://docs.microsoft.com/en-us/dotnet/framework/wcf/feature-details/how-to-enable-streaming>

**NEW QUESTION 188**

DRAG DROP

You have the following code.

```
String xmlString =
    @"C:\file.xml";
```

File.xml contains the following XML markup.

```
<?xml version='1.0'?>
<!-- This is a sample XML document -->
<Items>
  <Item>Item1</Item>
</Items> ;
```

You need to write code to display Item1 in the console output.

Which five code blocks should you use? Develop the solution by selecting and arranging the required code blocks in the correct order.

NOTE: You will need all of the code blocks.

Code Blocks		Answer Area
<pre>while (reader.Read()) {</pre>		
<pre>using (XmlReader reader = XmlReader.Create (new StringReader(xmlString))) {</pre>		
<pre>while (!reader.Read()) {</pre>		
<pre>using (XmlReader reader = XmlReader.Create (xmlString)) {</pre>	⏪	⏩
<pre>}</pre>	⏴	⏵
<pre>}</pre>		
<pre>Console.WriteLine(reader.Value);</pre>		
<pre>if (reader.NodeType == XmlNodeType.Text)</pre>		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

## Answer Area

```
using (XmlReader reader =
XmlReader.Create (xmlString))
{

while (reader.Read())
{

if (reader.NodeType ==
XmlNodeType.Text)

Console.WriteLine(reader.Value);

}
```

### NEW QUESTION 191

#### DRAG DROP

You are developing a web application by using Microsoft ASP.NET MVC.

The web application will show a list of cars and their associated prices. The list can be filtered by car model by using a drop-down list. Access to the web application will be anonymous.

The car model list is stored as an .xml file on the application server. The car prices list is stored on a SQL Server server.

You need to recommend a caching strategy for each scenario:

?If a user selects a car model from the drop-down list, and then closes the browser, the same model must be selected automatically when the user reopens the web application from the same browser.

?If the car model list is updated, the drop-down list must be refreshed upon the next page reload.

?If the car prices list is updated, the prices list must be refreshed upon the next page reload.

What should you recommend? To answer, drag the appropriate caching strategies to the correct scenarios. Each caching strategy 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.

## Caching Strategies

ApplicationCache

CacheDependency

Cookie

MemoryCache

OutputCache

SqlCacheDependency

ViewState

## Answer Area

If a user selects a car model from the drop-down list, and then closes the browser, the same model must be selected automatically when the user reopens the web application from the same browser.

If the car model list is updated, the drop-down list must be refreshed upon the next page reload.

If the car prices list is updated, the prices list must be refreshed upon the next page reload.

Caching strategy

Caching strategy

Caching strategy

- A. Mastered  
B. Not Mastered

**Answer:** A

### Explanation:

Box 1: outputCache

outputCache declaratively controls the output caching policies of an ASP.NET page or a user control contained in a page.

Box 2: CacheDependency

CacheDependency establishes a dependency relationship between an item stored in an ASP.NET application's Cache object and a file, cache key, an array of either, or another CacheDependency object. The CacheDependency class monitors the dependency relationships so that when any of them changes, the cached item will be automatically removed.

Box 3: SqlCacheDependency

SQL cache dependency enables you to cache pages that are dependent on data from SQL Server tables. You can configure SQL Server and ASP.NET to cache page requests, reducing server workload, until the data on which the page depends has been updated in SQL Server. SQL cache dependency is useful for data such as product catalogs or customer registration information that remains comparatively static.

outputCache CacheDependency References: [https://msdn.microsoft.com/en-us/library/system.web.caching.cachedependency\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.web.caching.cachedependency(v=vs.110).aspx)

### NEW QUESTION 196

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