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Exam Code:70-492

Exam Name:Upgrade your MCPD: Web Developer 4
to MCSD: Web Applications

Version:Demo

QUESTION 1

You are developing an ASP.NET MVC application in Visual Studio 2012. The application supports multiple cultures.

The application contains three resource files in the Resources directory:

Each file contains a public resource named Currency with the localized currency symbol. The application is configured to set the culture based on the client browser settings.

The application contains a controller with the action defined in the following code segment. (Line numbers are included for reference only.)

```
01 public ActionResult GetProducts()  
02 {  
03  
04     List<ProductModel> products = DataBase.DBAccess.GetProducts();  
05     return View(products);  
06 }
```

You need to set ViewBag.LocalizedCurrency to the localized currency contained in the resource files.

Which code segment should you add to the action at line 03?

- A. ViewBag.LocalizedCurrency = Resources.ProductDictionary.Currency;
- B. ViewBag.LocalizedCurrency = HttpContext.GetGlobalResourceObject("ProductDictionary", "Currency", new System.Globalization.CultureInfo(Men));
- C. ViewBag.LocalizedCurrency = HttpContext.GetLocalResourceObject("ProductDictionary", "Currency");
- D. ViewBag.LocalizedCurrency = HttpContext.GetGlobalResourceObject("ProductDictionary", "Currency");

Correct Answer: A

QUESTION 2

You need to implement the Views\RunLog_CalculatePace.cshtml partial view from Views\Runlog\GetLog.cshtml to display the runner's average mile pace.

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

panes or scroll to view content.)

Select and Place:

<code>@Html.Partial(</code>	<code><td></code>
<code>@Html.Action(</code>	<code> @Html.DisplayFor(model => log.Time)</code>
<code>"_CalculatePace.cshtml", log)</code>	<code></td></code>
<code>"_CalculatePace", log)</code>	<code><td></code>
<code>"_CalculatePace")</code>	<code> @Html.ActionLink(</code>
	<code> "Delete", "DeleteLog",</code>
	<code> new { id = log.Id })</code>
	<code></td></code>
	<code><td></code>
	<code></td></code>

Correct Answer:

	<code><td></code>
<code>@Html.Action(</code>	<code> @Html.DisplayFor(model => log.Time)</code>
<code>"_CalculatePace.cshtml", log)</code>	<code></td></code>
	<code><td></code>
	<code> @Html.Partial(</code>
	<code> "_CalculatePace", log)</code>
	<code></td></code>
<code>"_CalculatePace")</code>	<code><td></code>
	<code> @Html.ActionLink(</code>
	<code> "Delete", "DeleteLog",</code>
	<code> new { id = log.Id })</code>
	<code></td></code>

QUESTION 3

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.)

Select and Place:

The interface shows a list of configuration values on the left and an XML code editor on the right. The XML code is as follows:

```

<system.serviceModel>
  <protocolMapping>
    <add scheme="https" />
  </protocolMapping>
  <bindings>
    <wsHttpBinding>
      <binding>
        <security />
      </binding>
    </wsHttpBinding>
  </bindings>
  <transport />
</system.serviceModel>

```

Correct Answer:

The interface shows the same list of configuration values on the left and the XML code editor on the right, but with the correct configuration values placed into the XML code. The XML code is as follows:

```

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

```

QUESTION 4

You are developing an ASP.NET MVC application. The application is deployed in a web farm and is accessed by many users.

The application must handle web server failures gracefully. The servers in the farm must share the state information.

You need to persist the application state during the session.

What should you implement?

- A. A state server
- B. Cookieless sessions
- C. A web garden on the web servers
- D. An InProc session

Correct Answer: A

QUESTION 5

You need to implement the mobile device support requirements.

How should you build the ProcessRequest method? (To answer, select the appropriate options in the answer area.)

Hot Area:

Work Area

```
protected override void ProcessRequest(HttpContext httpContext)
{
    var response = httpContext.Response;
    var mobileFormat = "image/png";
    var normalFormat = "image/png";

    if (httpContext.Response.ContentType == "image/png")
    {
        if (httpContext.Response.IsMobileDevice)
        {
            WriteImage(response, mobileFormat);
        }
        else
        {
            WriteImage(response, normalFormat);
        }
    }
    else
    {
        base.ProcessRequest(httpContext);
    }
}
```

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Correct Answer:

Work Area

```
protected override void ProcessRequest(HttpContext httpContext)
{
    var response = httpContext.Response;
    var mobileFormat = 

|              |
|--------------|
| ▼            |
| "image/png"  |
| "image/gif"  |
| "image/jpeg" |
| "image/bmp"  |

;
    var normalFormat = 

|              |
|--------------|
| ▼            |
| "image/png"  |
| "image/gif"  |
| "image/jpeg" |
| "image/bmp"  |

;

    if (httpContext.

|             |
|-------------|
| ▼           |
| Response    |
| Request     |
| Application |
| Handler     |

.ContentType == 

|              |
|--------------|
| ▼            |
| "image/png"  |
| "image/gif"  |
| "image/jpeg" |
| "image/bmp"  |

)
    {
        if (httpContext.

|             |
|-------------|
| ▼           |
| Response    |
| Request     |
| Application |
| Handler     |

.

|                                   |
|-----------------------------------|
| ▼                                 |
| Browser.IsMobileDevice            |
| Browser.IsBrowser("MobileDevice") |
| Mobile == "android iPhone od)"    |
| Mobile == "+mobile tablet"        |

)
        {
            WriteImage(response, mobileFormat);
        }
        else
        {
            WriteImage(response, normalFormat);
        }
    }
    else
    {
        base.ProcessRequest(httpContext);
    }
}
```

QUESTION 6

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.

With which code segment should you replace the body of the SaveChanges() method in the FlightInfoContext.es file?

- A.

```
var result = FlightInfo.SqlQuery("UPDATE WITH RETRY", FlightInfo, "IsTransient", 5);
if (result.Count() > 5)
{
    result.AsNoTracking();
    return -1;
}
return 0;
```
- B.

```
var exception = new EntitySqlException();
while (exception.HResult != 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))
        {
            continue;
        }
    }
}
return base.SaveChanges();
```
- D.

```
try
{
    return base.SaveChanges();
}
catch (EntityCommandExecutionException ex)
{
    if (ex.Data.Keys.Cast<int>().Any(x => IsTransient(x)))
    {
        return 5 & SaveChanges();
    }
    return -1;
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 7

You need to modify the application to meet the productId requirement. What should you do?

A. Modify the **RegisterGlobalFilters** method of the Global.asax.cs file as follows.

```
Cccontract.Requires<ArgumentException>(productId > 0);
```

B. Modify the **GetDealPrice** method of **ProductController** as follows.

```
Cccontract.Requires<ArgumentException>(productId != 0);
```

C. Modify the **GetDealPrice** method of **ProductController** as follows.

```
Cccontract.Assume<ArgumentException>(productId > 0);
```

D. Modify the **RegisterGlobalFilters** method of the Global.asax.cs file as follows.

```
Cccontract.Assume<ArgumentException>(productId != 0);
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 8

You are developing an ASP.NET MVC application that authenticates a user by using claims-based authentication. The application must:

You need to implement authentication.

How should you build the class constructor? (To answer, select the appropriate option from the drop-down list in the

answer area.)

Hot Area:

Work Area

```
using Microsoft.IdentityModel.Claims;
```

```
public class IdentityClaim
```

```
{
```

```
    private string _identityProvider;
```

```
    private string _identityValue;
```

```
    public const string ACSProviderClaim =
```

```
        "http://schemas.microsoft.com/accesscontrolservice/...";
```

```
    public IdentityClaim(  identity)
```

```
        ClaimNames  
        ClaimTypes  
        IIdentityClaims  
        IClaimsIdentity  
        ClaimType  
        ClaimName
```

```
{
```

```
    if (identity != null)
```

```
    {
```

```
        foreach (var claim in identity.Claims)
```

```
        {
```

```
            if (claim.  == .NameIdentifier)
```

```
                ClaimNames  
                ClaimTypes  
                IIdentityClaims  
                IClaimsIdentity  
                ClaimType  
                ClaimName
```

```
                ClaimNames  
                ClaimTypes  
                IIdentityClaims  
                IClaimsIdentity  
                ClaimType  
                ClaimName
```

```
            {
```

```
                _identityValue = claim.Value;
```

```
            }
```

```
            if (claim.  == ACSProviderClaim)
```

```
                ClaimNames  
                ClaimTypes  
                IIdentityClaims  
                IClaimsIdentity  
                ClaimType  
                ClaimName
```

```
            {
```

```
                _identityProvider = claim.Value;
```

```
            }
```

```
        }
```

```
    }
```

```
}
```

```
}
```

Correct Answer:

Work Area

```
using Microsoft.IdentityModel.Claims;
```

```
public class IdentityClaim
```

```
{
```

```
    private string _identityProvider;
```

```
    private string _identityValue;
```

```
    public const string ACSProviderClaim =
```

```
        "http://schemas.microsoft.com/accesscontrolservice/...";
```

```
    public IdentityClaim(  identity)
```

```
        ClaimNames
```

```
        ClaimTypes
```

```
        IIdentityClaims
```

```
        IClaimsIdentity
```

```
        ClaimType
```

```
        ClaimName
```

```
{
```

```
    if (identity != null)
```

```
    {
```

```
        foreach (var claim in identity.Claims)
```

```
        {
```

```
            if (claim.  == .NameIdentifier)
```

```
                ClaimNames
```

```
                ClaimTypes
```

```
                IIdentityClaims
```

```
                IClaimsIdentity
```

```
                ClaimType
```

```
                ClaimName
```

```
                ClaimNames
```

```
                ClaimTypes
```

```
                IIdentityClaims
```

```
                IClaimsIdentity
```

```
                ClaimType
```

```
                ClaimName
```

```
            {
```

```
                _identityValue = claim.Value;
```

```
            }
```

```
            if (claim.  == ACSProviderClaim)
```

```
                ClaimNames
```

```
                ClaimTypes
```

```
                IIdentityClaims
```

```
                IClaimsIdentity
```

```
                ClaimType
```

```
                ClaimName
```

```
            {
```

```
                _identityProvider = claim.Value;
```

```
            }
```

```
        }
```

```
    }
```

```
}
```

```
}
```

QUESTION 9

You are adding a new REST service endpoint to the FlightDataController controller that returns the total number of seats for each airline.

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

Correct Answer: D

QUESTION 10

You need to implement the business requirements for managing customer data.

What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Add a class named Customer-Controller to the Controllers folder. Then add a method named Edit to the class.
- B. Create a new controller named Administration in the Controllers folder. Add an action named EditCustomer to the controller.
- C. Add a folder named Customer to the Views folder. Then create a view inside this folder named Edit.aspx.
- D. Create a new folder named EditCustomer to the Views folder. In the new folder, create a new file named Administration.aspx.

Correct Answer: AC

QUESTION 11

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.)

Select and Place:

	Answer Area
ExecuteReader	public List<Entities.InboundQueue> GetExternalOrders ()
ExecuteScalar	{
SequentialAccess	EntityConnection connection =
KeyInfo	new EntityConnection ("name= [] ");
ExternalOrders	connection.Open ();
ExternalOrdersEntities	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;
	}

Correct Answer:

	Answer Area
ExecuteReader	public List<Entities.InboundQueue> GetExternalOrders ()
ExecuteScalar	{
SequentialAccess	EntityConnection connection =
KeyInfo	new EntityConnection ("name= ExternalOrdersEntities [] ");
ExternalOrders	connection.Open ();
ExternalOrdersEntities	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 []);
	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;
	}

QUESTION 12

You need to ensure that all the MVC controllers are secure. Which code segment should you use as the body for the CreateController method in AdminVerifierFactory.es?

- A.

```
var controller = base.CreateController(requestContext, controllerName) as Controller;
var attributes = controller.GetType().Attributes.ToString();
if (!attributes.Contains("VideoAdminAttribute"))
    throw new Exception("Not an Administrator");
return controller;
```
- B.

```
if (requestContext.HttpContext.Items["Administrator"] == null)
    throw new Exception("Not an Administrator");
return base.CreateController(requestContext, controllerName) as Controller;
```
- C.

```
var controller = base.CreateController(requestContext, controllerName) as Controller;
var hasFilter = controller.GetType().CustomAttributes.Any
(x => x.AttributeType.Name == "VideoAdminAttribute");
if (hasFilter == null)
    throw new Exception("Not an Administrator");
return controller;
```
- D.

```
if (requestContext.RouteData.Values["Administrator"] == null)
    throw new Exception("Not an Administrator");
return base.CreateController(requestContext, controllerName) as Controller;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

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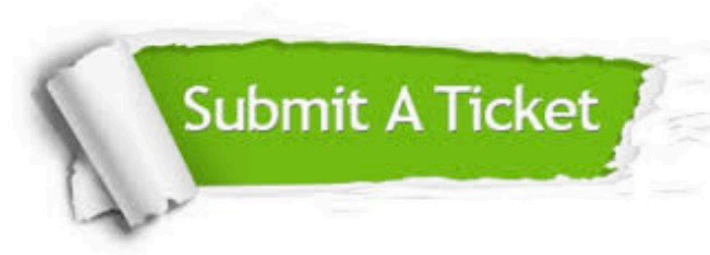
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