Vendor: Microsoft

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. VievBag.LocalizedCurrency = HttpContext.GetGlobalResourceObject("ProductDictionary", "Currency", new System.Globalization.CultureInfo(Men"));

C. VievBag.LocalizedCurrency = HttpContext.GetLocalResourceObject("ProductDictionary", "Currency");

D. ViewBag.LocalizedCurrency = HttpContext.GetGlobalResourceObject("ProductDictionary", "Currency");

Correct Answer: A

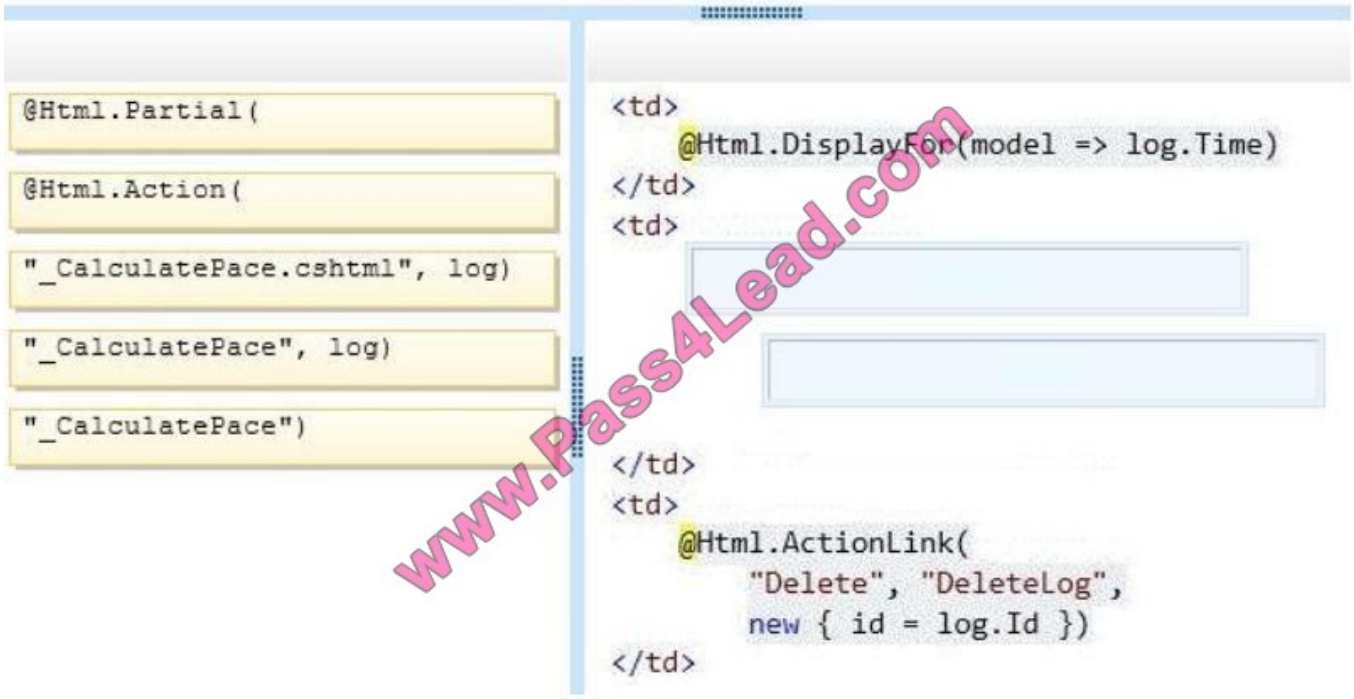
QUESTION 2

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

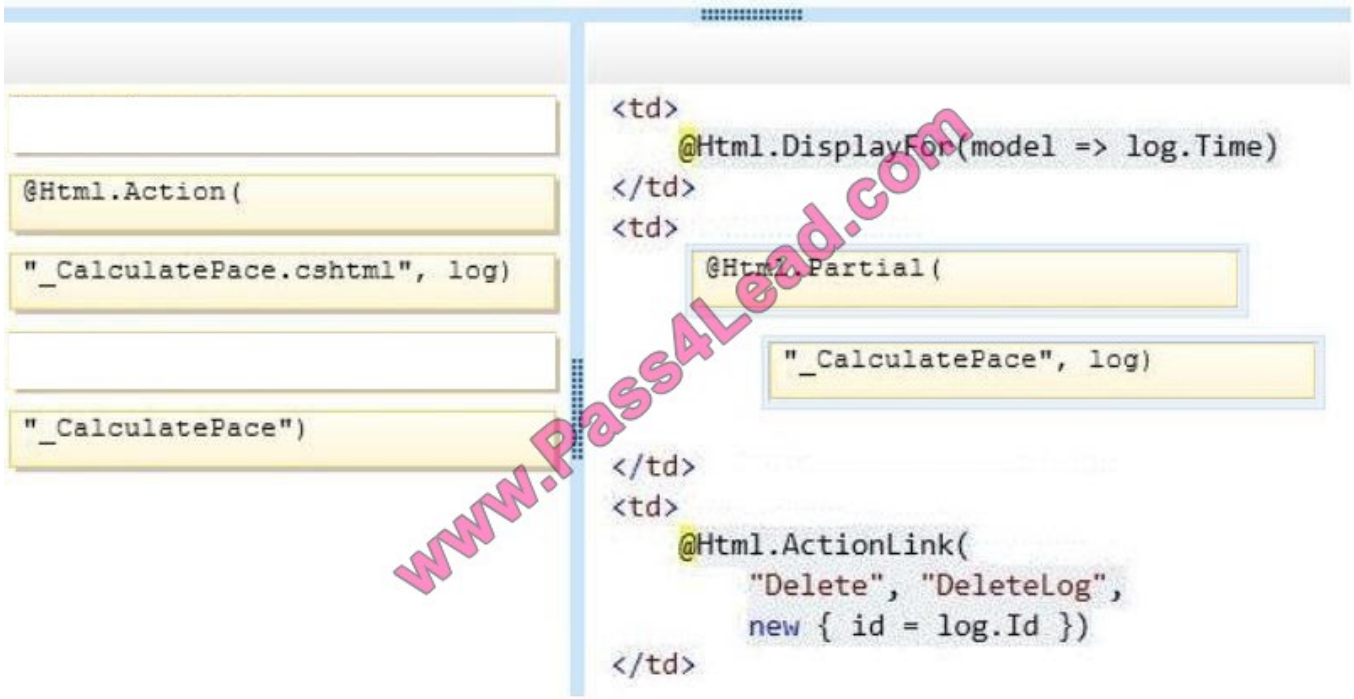
How should you implement the view? (To answer, drag the appropriate code segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between

panes or scroll to view content.)

Select and Place:



Correct Answer:



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:

Correct Answer:

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"
- "image/gif"
- "image/jpeg"
- "image/bmp"

```
  var normalFormat = [ ];
```

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

```
  if (httpContext.[ ].ContentType == [ ])
```

- Response
- Request
- Application
- Handler

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

```
  {
    if (httpContext.[ ].[ ])
```

- Response
- Request
- Application
- Handler

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

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

Correct Answer:

Work Area

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

  if (httpContext.[ ].ContentType == [ ])
  {
    if (httpContext.[ ].[ ])
    {
      WriteImage(response, mobileFormat);
    }
    else
    {
      WriteImage(response, normalFormat);
    }
  }
  else
  {
    base.ProcessRequest(httpContext);
  }
}
```

"image/png"
"image/gif"
"image/jpeg"
"image/bmp"

Response
Request
Application
Handler

Browser.IsMobileDevice
Browser.IsBrowser("MobileDevice")
Mobile == "android|iP(hone|od)"
Mobile == "+mobile|tablet"

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.

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

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

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

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

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

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

```
Contract.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( [ClaimNames / ClaimTypes / IIdentityClaims / IClaimsIdentity / ClaimType / ClaimName] identity)
  {
    if (identity != null)
    {
      foreach (var claim in identity.Claims)
      {
        if (claim.[ClaimNames / ClaimTypes / IIdentityClaims / IClaimsIdentity / ClaimType / ClaimName] == [ClaimNames / ClaimTypes / IIdentityClaims / IClaimsIdentity / ClaimType / ClaimName].NameIdentifier)
        {
          _identityValue = claim.Value;
        }
        if (claim.[ClaimNames / ClaimTypes / IIdentityClaims / IClaimsIdentity / ClaimType / ClaimName] == ACSProviderClaim)
        {
          _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.

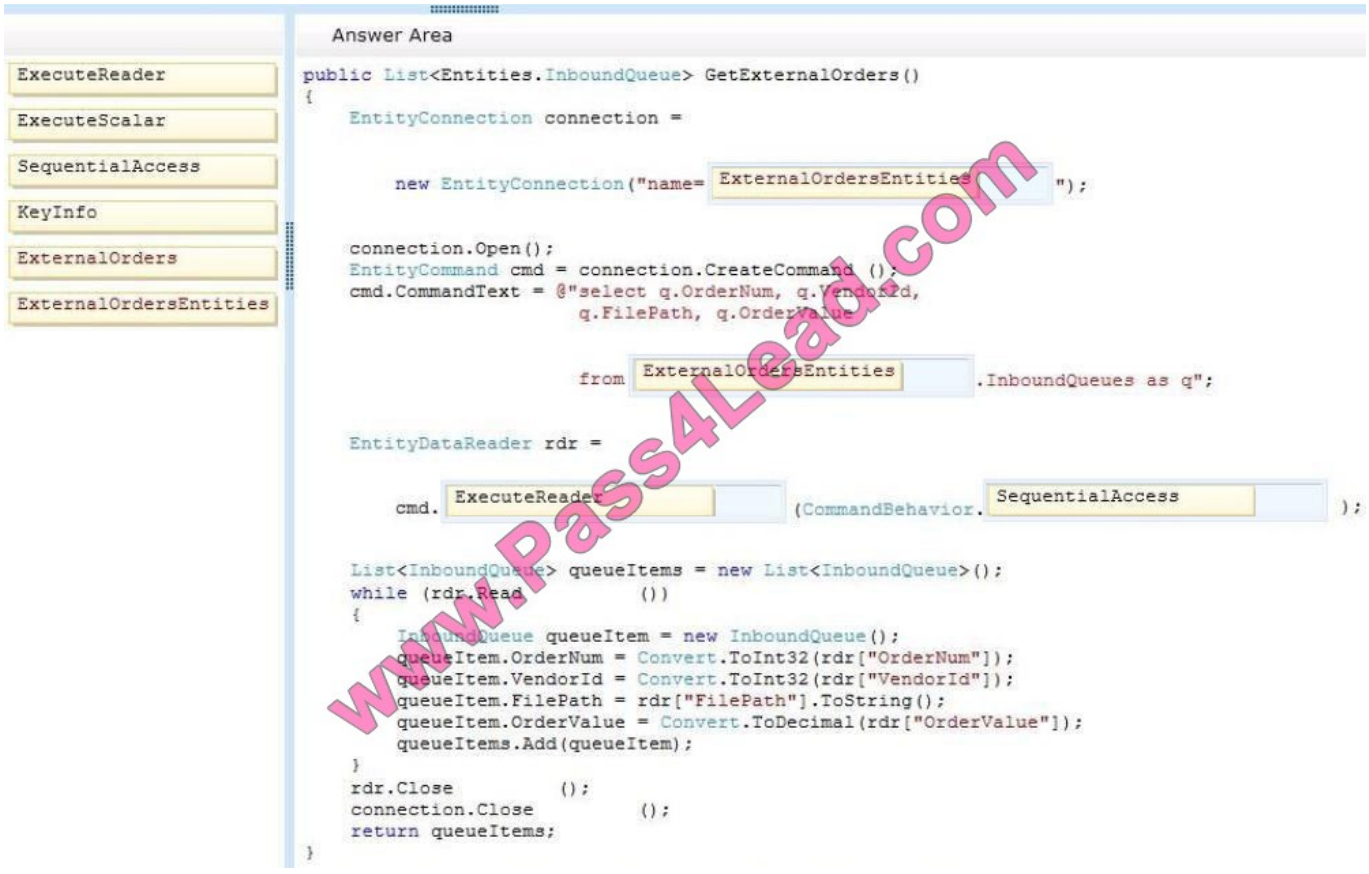
You need to modify the GetExternalOrders() method to return the correct data.

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:

Correct Answer:



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.
```
varcontroller = base.CreateController(requestContext, controllerName) asController;
varattributes = controller.GetType().Attributes.ToString();
if(!attributes.Contains("VideoAdminAttribute"))
  thrownewException("Not an Administrator");
returncontroller;
```

B.
```
if(requestContext.HttpContext.Items["Administrator"] == null)
  thrownewException("Not an Administrator");
returnbase.CreateController(requestContext, controllerName) asController;
```

C.
```
varcontroller = base.CreateController(requestContext, controllerName) asController;
varhasFilter = controller.GetType().CustomAttributes.Any
 (x => x.AttributeType.Name == "VideoAdminAttribute");
if(hasFilter == null)
  thrownewException("Not an Administrator");
returncontroller;
```

D.
```
if(requestContext.RouteData.Values["Administrator"] == null)
  thrownewException("Not an Administrator");
returnbase.CreateController(requestContext, controllerName) asController;
```


A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

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