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:

▪ MyDictionary.resx
▪ MyDictionary.es.resx
▪ MyDictionary.fr.resx

Each file contains a public resource named Title with localized translation.

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.Title to the localized title contained in the resource files.

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

```
A.   ViewBag.Title = HttpContext.GetGlobalResourceObject("MyDictionary", "Title",
     new System.Globalization.CultureInfo("en"));

B.   ViewBag.Title = Resources.MyDictionary.Title;

C.   ViewBag.Title = HttpContext.GetGlobalResourceObject("MyDictionary", "Title");

D.   ViewBag.Title = HttpContext.GetLocalResourceObject("MyDictionary", "Title");
```

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

Correct Answer: B

QUESTION 2
DRAG DROP
You are developing an ASP.NET MVC application that takes customer orders. Orders are restricted to customers with IP addresses based in the United States. You need to implement a custom route handler. How should you implement the route handler? (To answer, drag the appropriate line of code to the correct location or locations. Each line of code 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.)

```
IHttpHandler

IRouteFactory

IRouteHandler

IHttpConstraint

RequestContext

ServerContext
```

```
public class USOnlyRouteHandler :
{
    public                          GetHttpHandler(

        requestContext)
    {
        return new USIPHandler(requestContext);
    }
}
```

Correct Answer:

```
IHttpHandler

IRouteFactory

IRouteHandler

IHttpConstraint

RequestContext

ServerContext
```

```
public class USOnlyRouteHandler :  IRouteHandler
{
    public  IHttpHandler        GetHttpHandler(  RequestContext

        requestContext)
    {
        return new USIPHandler(requestContext);
    }
}
```

QUESTION 3
You are developing an ASP.NET MVC application that uses forms authentication. The user
database contains a user named OrderAdmin.

You have the following requirements:

▪ You must allow all users to access the GetOrders method.
▪ You must restrict access to the EditOrder method to the user named OrderAdmin.

You need to implement the controller to meet the requirements. Which code segment should you
use? (Each correct answer presents a complete solution. Choose all that apply.)

A.
```
[Authorize]
public class OrderController : Controller
{
    [AllowAnonymous]
    public ActionResult GetOrders()
    {
        ...
        return View();
    }
    [Authorize(Users = "OrderAdmin")]
    public ActionResult EditOrder()
    {
        ...
        return View();
    }
}
```

B.
```
[Authorize]
public class OrderController : Controller
{
    [AllowAnonymous]
    public ActionResult GetOrders()
    {
        ...
        return View();
    }

    [Authorize]
    public ActionResult EditOrder()
    {
        if (this.HttpContext.User.Identity.Name != "OrderAdmin")
        {
            return RedirectToAction("Login", "Account", new { ReturnUrl = "/Order/EditOrder" });
        }
        else
        {
            ...
            return View();
        }
    }
}
```

C.
```
[Authorize(Roles = "Anonymous")]
public class OrderController : Controller
{
    public ActionResult GetOrders()
    {
        ...
        return View();
    }

    [Authorize(Users = "OrderAdmin")]
    public ActionResult EditOrder()
    {
        ...
        return View();
    }
}
```

```
D.   [Authorize]
     public class OrderController : Controller
     {
        [Authorize(Roles="Anonymous")]
        public ActionResult GetOrders()
        {
           ...
           return View();
        }

        [Authorize(Users = "OrderAdmin")]
        public ActionResult EditOrder()
        {
           ...
           return View();
        }
     }
```

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

Correct Answer: AB

QUESTION 4
HOTSPOT
You are developing an ASP.NET MVC web application that enables users to open Microsoft Excel files.

The current implementation of the ExcelResult class is as follows.

```
public class ExcelResult : ActionResult
{
   public string Path { get; set; }

   public override void ExecuteResult(ControllerContext context)
   {
      ...
   }
}
```

You need to enable users to open Excel files. How should you implement the ExecuteResult method? (To answer, select the appropriate options in the answer area.)

Work Area

```
var response = context.HttpContext.Response;
var request = context.HttpContext.Request;
```

[▼]

```
if (canProcess)
{
    response.Clear();
```

[▼]

[▼]

```
    response.WriteFile(context.HttpContext.Server.MapPath(Path));
}
```

Work Area

```
var response = context.HttpContext.Response;
var request = context.HttpContext.Request;
```

[▼]

```
var canProcess = request.AcceptTypes.Contains("application/vnd.ms-excel");
var canProcess = request.ContentType.Contains("application/vnd.ms-excel");
```

```
if (canProcess)
{
    response.Clear();
```

[▼]

```
response.AddHeader("content-disposition", "attachment; filename=dl");
response.Output.Write("content-disposition", "application/vnd.ms-excel");
```

[▼]

```
response.ContentType = "application/vnd.ms-excel";
response.ContentEncoding = new UTF8Encoding
```

```
    response.WriteFile(context.HttpContext.Server.MapPath(Path));
}
```

Correct Answer:

Work Area

```
var response = context.HttpContext.Response;
var request = context.HttpContext.Request;
```

```
                                                                           ▼
var canProcess = request.AcceptTypes.Contains("application/vnd.ms-excel");
var canProcess = request.ContentType.Contains("application/vnd.ms-excel");
```

```
if (canProcess)
{
  response.Clear();
```

```
                                                                           ▼
response.AddHeader("content-disposition", "attachment; filename=dl");
response.Output.Write("content-disposition", "application/vnd.ms-excel");
```

```
                                                                           ▼
response.ContentType = "application/vnd.ms-excel";
response.ContentEncoding = new UTF8Encoding
```

```
  response.WriteFile(context.HttpContext.Server.MapPath(Path));
}
```

QUESTION 5
HOTSPOT
You are developing an ASP.NET MVC application that authenticates a user by using claims-based authentication. The application must:

▪ Use Windows Identity Foundation 4.5.
▪ Support the Windows Azure Access Control Service.

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.)

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)
  {
   if (identity != null)
   {
     foreach (var claim in identity.Claims)
     {
       if (claim.          ▼  ==          ▼ .NameIdentifier)
       {
         _identityValue = claim.Value;
       }
       if (claim.          ▼  == ACSProviderClaim)
       {
         _identityProvider = claim.Value;
       }
     }
   }
  }
}
```

Correct Answer:

```
ClaimNames          using Microsoft.IdentityModel.Claims;

ClaimTypes          public class IdentityClaim
                    {
IIdentityCla          private string _identityProvider;
                      private string _identityValue;
IClaimsIdent          public const string ACSProviderClaim =
                        "http://schemas.microsoft.com/accesscontrolservice/...";
ClaimType
                      public IdentityClaim( IClaimsIdent  identity)
ClaimName             {
                        if (identity != null)
                        {
                          foreach (var claim in identity.Claims)
                          {
                            if (claim. ClaimType   ==  ClaimTypes    .NameIdentifier)
                            {
                              _identityValue = claim.Value;
                            }
                            if (claim. ClaimType   == ACSProviderClaim)
                            {
                              _identityProvider = claim.Value;
                            }
                          }
                        }
                      }
                    }
```

QUESTION 6
You are designing an HTML5 website. You need to design the interface to make the content of the web page viewable in all types of browsers, including voice recognition software, screen readers, and reading pens. What should you do? (Each correct answer presents a complete solution. Choose all that apply.)

A. Annotate HTML5 content elements with Accessible Rich Internet Application (ARIA) attributes.
B. Convert HTML5 forms to XForms.
C. Ensure that HTML5 content elements have valid and descriptive names.
D. Use HTML5 semantic markup elements to enhance the pages.
E. Use Resource Description Framework (RDF) to describe content elements throughout the entire page.

Correct Answer: AD

QUESTION 7
DRAG DROP
You are developing an ASP.NET MVC web application in Visual Studio 2012. The application has a model named ReservationLocation that contains properties named City and State. The view that displays reservations has a single text box named loc for entering the location information. The location is entered as city, state. There are action methods that have ReservationLocation as a parameter type. You need to ensure that the City and State properties are correctly populated. How should you implement model binding for the ReservationLocation type? (To answer, drag the appropriate code segment 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
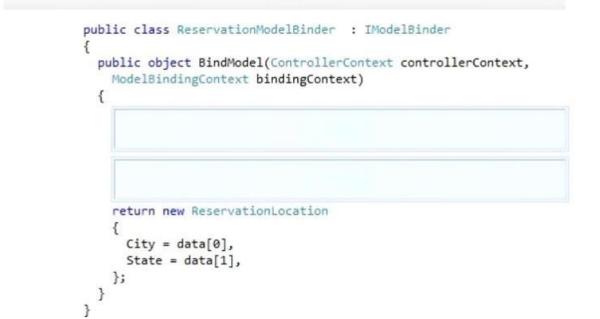
scroll to view content.)

```
bindingContext.ModelType = typeof
(ReservationLocation);
```

```
var raw = bindingContext.ValueProvider.GetValue
("loc");
```

```
dynamic data = bindingContext.ValueProvider.GetValue
("loc");
```

```
dynamic data = raw.RawValue
    .ToString().Split(',');
```

```
bindingContext.ModelState.Add("city,state",
    new ModelState { Value = data });
```

```
dynamic data = controllerContext.RouteData
    .Values[raw + "[city,state]"];
```

```
public class ReservationModelBinder  : IModelBinder
{
  public object BindModel(ControllerContext controllerContext,
    ModelBindingContext bindingContext)
  {




    return new ReservationLocation
    {
      City = data[0],
      State = data[1],
    };
  }
}
```

Correct Answer:

```
bindingContext.ModelType = typeof
(ReservationLocation);
```

```
var raw = bindingContext.ValueProvider.GetValue
("loc");
```

```
dynamic data = bindingContext.ValueProvider.GetValue
("loc");
```

```
dynamic data = raw.RawValue
    .ToString().Split(',');
```

```
bindingContext.ModelState.Add("city,state",
    new ModelState { Value = data });
```

```
dynamic data = controllerContext.RouteData
    .Values[raw + "[city,state]"];
```

```
public class ReservationModelBinder  : IModelBinder
{
  public object BindModel(ControllerContext controllerContext,
    ModelBindingContext bindingContext)
  {
    var raw = bindingContext.ValueProvider.GetValue
    ("loc");

    dynamic data = raw.RawValue
        .ToString().Split(',');

    return new ReservationLocation
    {
      City = data[0],
      State = data[1],
    };
  }
}
```

QUESTION 8
You are developing an ASP.NET MVC web application in Visual Studio 2012. The application requires several thousand content files. All content is hosted on the same IIS instance as the application. You detect performance issues when the application starts. You need to resolve the performance issues. What should you do?

A. Implement HTTP caching in the ASP.NET MVC controllers.

B. Combine the content files by using ASP.NET MVC bundling.
C. Install a second IIS instance.
D. Move the content to a Windows Azure CDN.

Correct Answer: B

QUESTION 9
You are testing an ASP.NET application. The test plan requires that tests run against the application's business layer. You need to use the test project template that meets this requirement. Which template should you use?

A. Web Test Project
B. Load Test Project
C. Unit Test Project
D. Coded Test Project

Correct Answer: C

QUESTION 10
You are authoring unit tests. The unit tests must test code that consumes sealed classes. You need to create, maintain, and inject dependencies in the unit tests. Which isolation method should you use?

A. T4 text templates and code generation
B. Stub types
C. Shim types
D. Hard-coded implementation

Correct Answer: C

QUESTION 11
You are developing an ASP.NET MVC web application that includes the following method.

```
public double AccountBalance(double currentBalance, double transactionAmount)
{
  double finalBalance = 0.00;
  finalBalance = currentBalance + transactionAmount;
  return finalBalance;
}
```

You need to test the AccountBalance method. Which unit test should you use?

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

Correct Answer: C

QUESTION 12
You are developing an ASP.NET MVC application by using Visual Studio 2012. The application throws and handles exceptions when it runs. You need to examine the state of the application when exceptions are thrown. What should you do?

A. From the DEBUG menu in Visual Studio 2012, select Exceptions. Enable the Thrown check box for Common Language Runtime Exceptions.
B. From the DEBUG menu in Visual Studio 2012, select Exceptions. Disable the User- unhandled check box for Common Language Runtime Exceptions.
C. Add the following code to the Web.config file of the application.
   <customErrors mode="On">
   <error statusCode="500" redirect="CustomErrors.html" /> </customErrors>
D. Add the following code to the Web.config file of the application.
   <customErrors mode="On" >
   <error statusCode="404" redirect="CustomErrors.html"/> </customErrors>

Correct Answer: A

QUESTION 13
You are developing an ASP.NET MVC news aggregation application that will be deployed to servers on multiple networks. The application must be compatible with multiple browsers. A user can search the website for news articles. You must track the page number that the user is viewing in search results. You need to program the location for storing state information about the user's search. What should you do?

A. Store search results and page index in Session.
B. Use Application state to store search terms and page index.
C. Use QueryString to store search terms and page index.
D. Store search results and page index in TempData

Correct Answer: C

QUESTION 14
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 15
You are developing an ASP.NET MVC application that displays stock market information. The stock market information updates frequently and must be displayed in real-time. You need to eliminate unnecessary header data, minimize latency, and transmit data over a full-duplex connection. What should you do?

A. Implement long-running HTTP requests.
B. Instantiate a MessageChannel object on the client.
C. Implement WebSockets protocol on the client and the server.
D. Configure polling from the browser.

Correct Answer: C

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70-331	**70-413**	**70-484**	**70-640**
70-332	**70-414**	**70-485**	**70-649**
70-336	**70-417**	**70-486**	**70-668**
70-337	**70-461**	**70-487**	**70-680**
70-341	**70-462**	**70-488**	**70-687**
70-342	**70-463**	**70-489**	**70-688**
70-346	**70-464**	**70-513**	**70-689**