

Vendor: Microsoft

Exam Code: 70-492

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

Version: DEMO

QUESTION 1
Drag and Drop Question
You are developing a WCF Data Services service in Visual Studio 2012 to display movie information from a SQL Server database that changes every 24 hours. The service is defined in the following class.

```
public class MovieService : DataService<MovieEntities>
{
  public static void InitializeService(DataServiceConfiguration config)
  {
    config.SetEntitySetAccessRule("Movies", EntitySetRights.AllRead);
    config.DataServiceBehavior.MaxProtocolVersion = DataServiceProtocolVersion.V2;
  }
}
```

The application contains the following Entity Framework model.



The service must only return data for movies that are currently in theaters. You need to add a method to the MovieService class to filter the data. 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.)

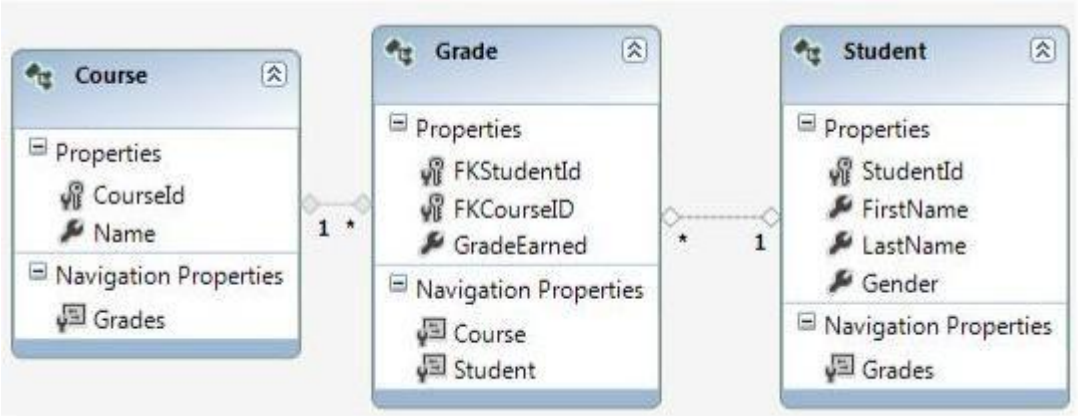


Answer:

```
public class MovieService : DataService<MovieEntities>
{
  public static void InitializeService(DataServiceConfiguration config)
  {
    config.SetEntitySetAccessRule("Movies", EntitySetRights.AllRead);
    config.DataServiceBehavior.MaxProtocolVersion =
     DataServiceProtocolVersion.V2;
  }

  [ QueryInterceptor ( "Movies" )]
  public Expression <Func<Movie, bool>> ApplyTheaterFilter()
  {
    return movie => movie.IsInTheaters == true;
  }
}
```

QUESTION 2
You are developing an application in Visual Studio 2012 to display student information. The application contains the following Entity Framework model.



The application contains a WCF data service named DirectoryService.svc. You need to create a query expression to display all of the grades for students whose first name is "John". How should you build the expression?

A. http://localhost:54946/DirectoryService.svc/Students?$filter=FirstName = 'John' &$expand=Grades

B. http://localhost:54946/DirectoryService.svc/Grades/Students?$filter=FirstName eq 'John'

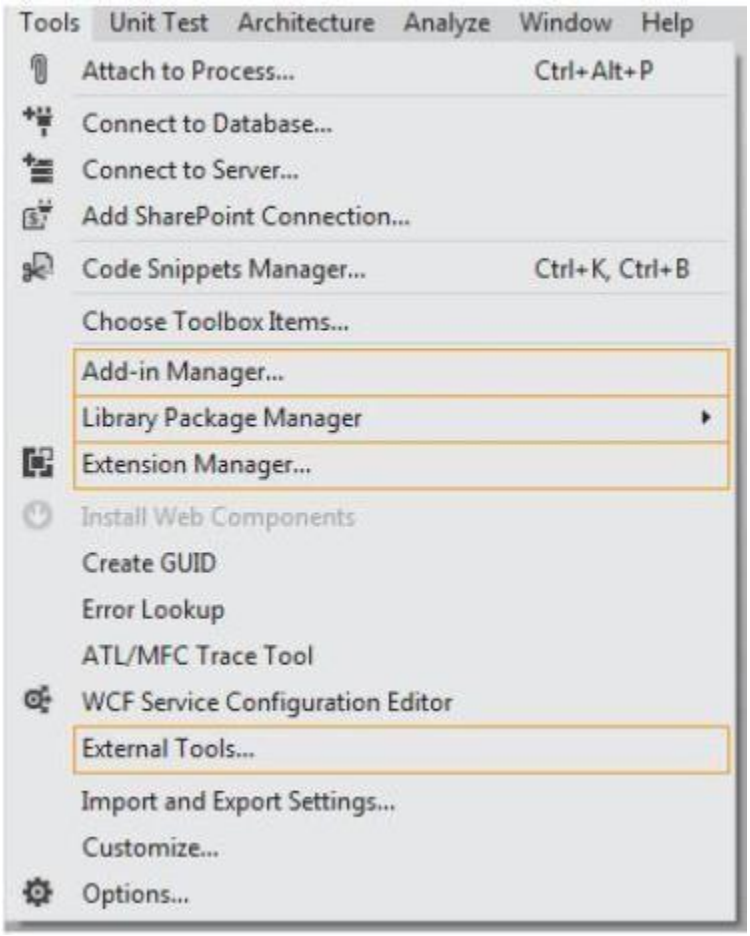
C. http://localhost:54946/DirectoryService.svc/Students?$filter=FirstName eq 'John' &$expand=Grades

D. http://localhost:54946/DirectoryService.svc/Students?$filter=FirstName eq 'John'/Grades

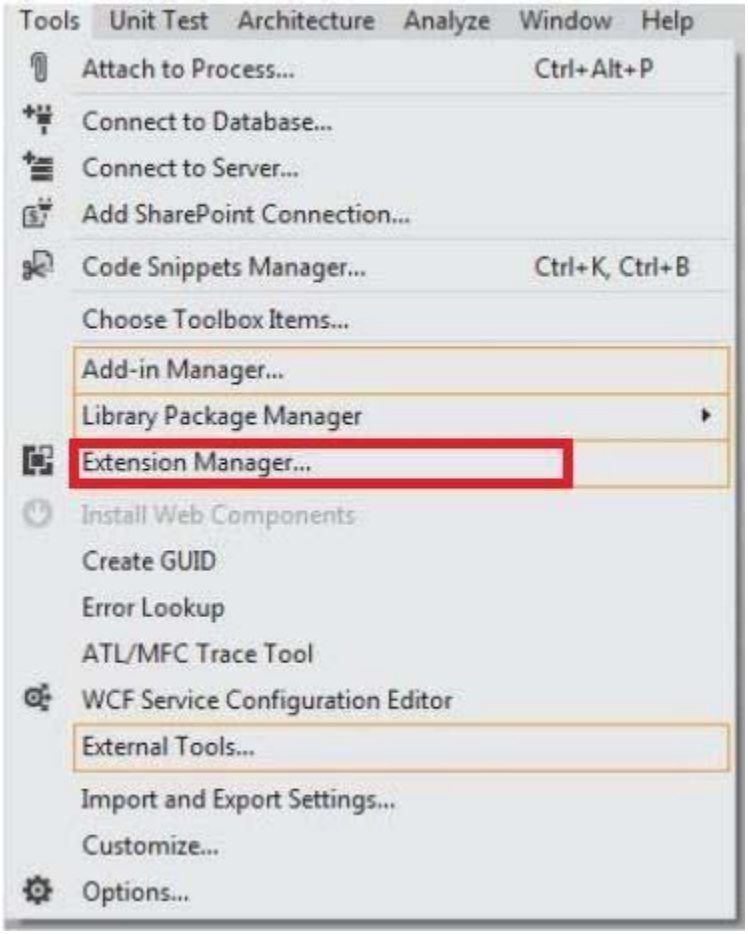
A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

QUESTION 3
Hotspot Question
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.)



Answer:



QUESTION 4
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

QUESTION 5
You are developing a WCF service that returns the result of a comparison between 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. Duplex
B. Streaming
C. One Way
D. Request/Reply

Answer: A

QUESTION 6
You are developing a WCF service. A new service instance must be created for each client request. You need to choose an instancing mode. Which instancing mode should you use?

A. single
B. Multiple
C. PerSession
D. PerRequest
E. PerCall

Answer: E

QUESTION 7
You are developing an ASP.NET MVC web application that contains the following HTML.
<table id="customers"></table>
You also have an ASP.NET Web API application that contains a call for retrieving customers. You must send and retrieve the data in the most compact format possible. You need to update the HTML for the customers table to contain data from the Web API application. Which script segment should you use?

A.
```
<script>
  $(function () {
    var $customers = $("#customers");
    $.ajax({
      url: "api/customers",
      dataType: "json",
      success: function (data) {
        ...
      }
    });
  });
</script>
```

B.
```
<script>
  $(function () {
    var $customers = $("#customers");
    $.xml({
      url: "api/customers",
      dataType: "ajax",
      success: function (data) {
        ...
      }
    });
  });
</script>
```

C.
```
<script>
  $(function () {
    var $customers = $("#customers");
    $.json({
      url: "api/customers",
      dataType: "ajax",
      success: function (data) {
        ...
      }
    });
  });
</script>
```

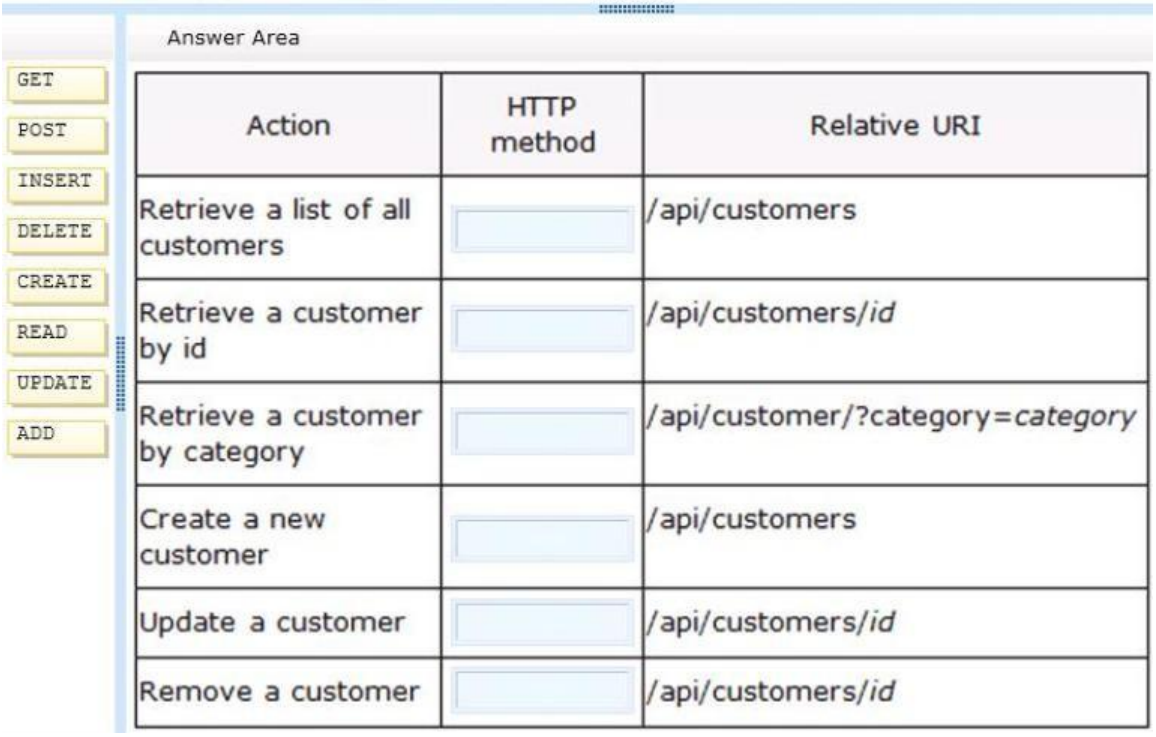
D.
```
<script>
  $(function () {
    var $customers = $("#customers");
    $.ajax({
      url: "api/customers",
      dataType: "xml",
      success: function (data) {
        ...
      }
    });
  });
</script>
```

A. Option A
B. Option B

C. Option C
D. Option D

Answer: A

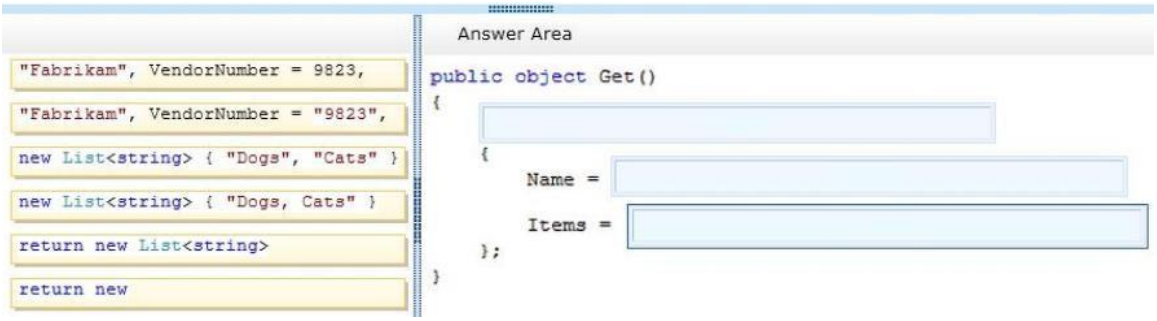
QUESTION 8
Drag and Drop Question
You are developing an ASP.NET MVC Web API application. The method names of the Web API must match naming guidelines for RESTful services. You need to create methods to support standard insert, select, update, and delete operations in an HTTP service. What should you do? (To answer, drag the appropriate HTTP methods to the correct row in the table in the answer area. Each HTTP method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

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

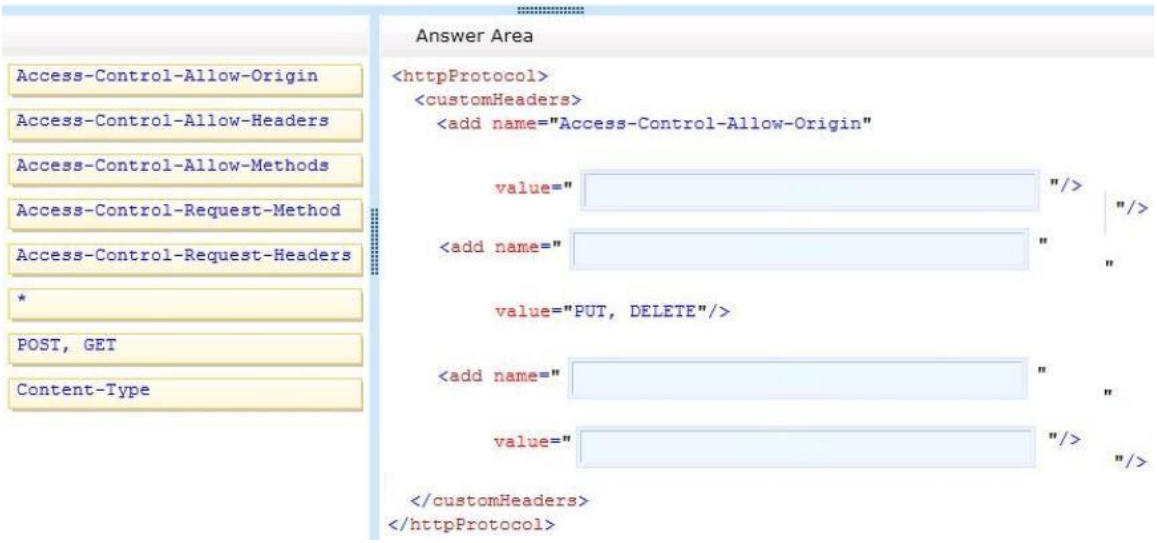
QUESTION 9
Drag and Drop Question
You are developing an ASP.NET Web API action method. The action method must return the following JSON in the message body.
{"Name":"Fabrikam","VendorId":9823,"Items":["Dogs","Cats"]} You need to return an anonymous object that is serialized to JSON. What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

```
public object Get()
{
    return new List<string>
    {
        Name = "Fabrikam", VendorNumber = "9823",
        Items = new List<string> { "Dogs", "Cats" }
    };
}
```

QUESTION 10
Drag and Drop Question
You are developing an ASP.NET Web API application that will be consumed by a web browser via a composite application that is served from another web domain. You need to configure the Web API. What should you do? (To answer, drag the appropriate XML elements to the correct location or locations in the answer area. Each XML element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:


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

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