

70-486^{Q&As}

Developing ASP.NET MVC Web Applications

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QUESTION 1

You are developing an ASP.NET MVC application that will be deployed on local Internet Information Services (IIS) servers and on an Azure Web Role.

You must log events for the application when it is deployed locally and on Azure. You must not deploy additional services.

You need to implement a logging solution.

Which two technologies can you use? Each correct answer presents a complete solution.

- A. event log
- B. trace
- C. console
- D. named pipe

Correct Answer: AB

QUESTION 2

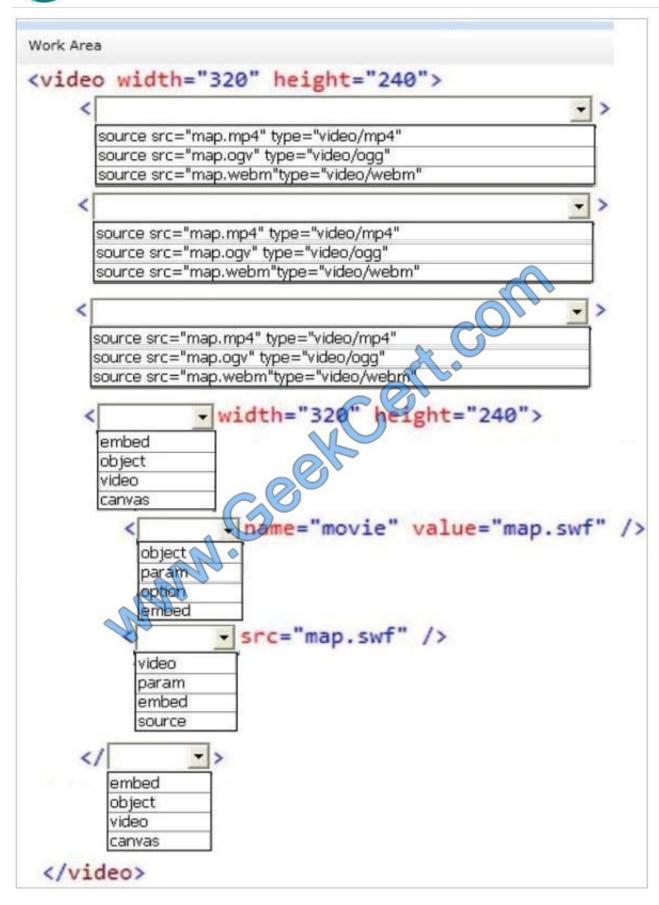
HOTSPOT

You need to implement the map of the runners\\' paths.

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

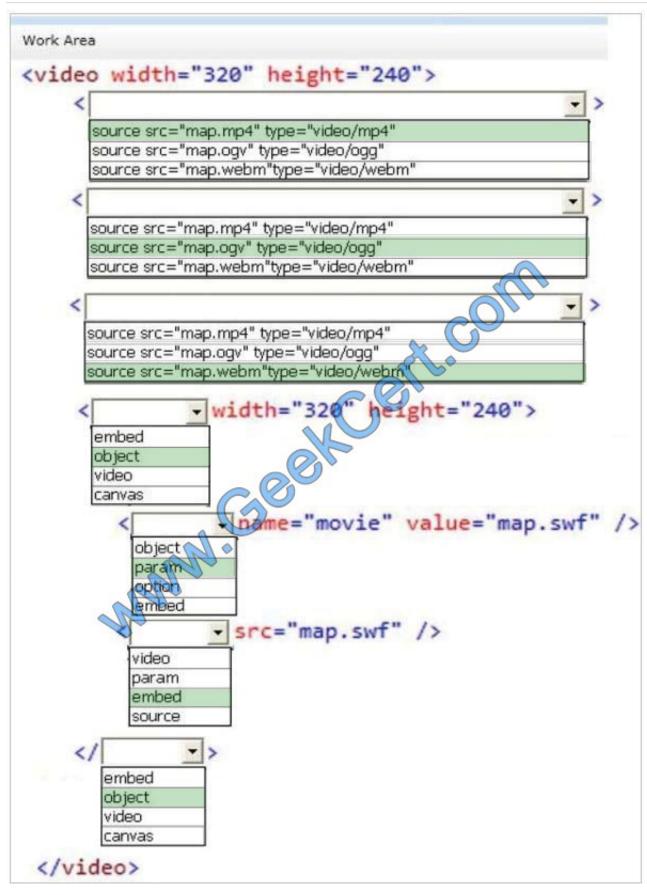
Hot Area:

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Correct Answer:





The tag defines a container for an external application or interactive content (a plug-in).

Example, an embedded flash animation:

References: http://www.w3schools.com/tags/tag_embed.asp

QUESTION 3

You are developing an ASP.NET Core MVC web application.

The web application must support older web browsers and implemented JavaScript features. You must use a polyfill to support the JavaScript Promise object in all browsers.

You need to implement a built-in ASP.NET Core Tag Helper to support polyfills.

How should you complete the markup? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area



Correct Answer:

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Answer Area



QUESTION 4

DRAG DROP You are developing an ASP.NET web application that uses health monitoring to log events to the Windows Event Log. The application contains a custom event that is defined in the following code segment. Line numbers are included for

```
01 public class PaymentProcessorOutage : WebRequestEvent
02 {
     public PaymentProcessorOutage(object eventSource,  eventCode) :
03
04
       base("Payment Processor not responsive", eventSource, eventCode) {}
05
     public override void FormatCustomEventDetails(WebEventFormatter formatter)
06
07
08
       var message = string.Format("Payment
                                            processor became non-responsive on {0}", EventTime);
09
       formatter.AppendLine(message)
10
11 }
```

reference only.

You need to ensure that the event is correctly added to the Windows event log.

How should you complete the relevant code? 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

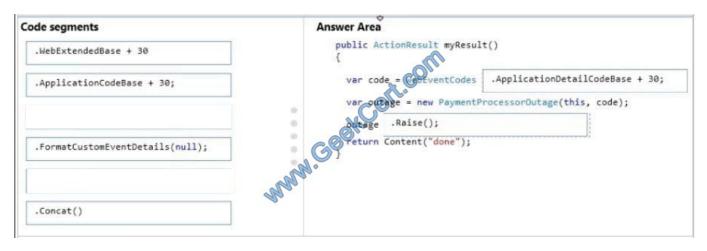
between panes or scroll to view content.

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Select and Place:

Code segments	Answer Area		
.WebExtendedBase + 30	<pre>public ActionResult myResult() {</pre>		
.ApplicationCodeBase + 30;	var code = CoverentCodes Code segment		
.ApplicationDetailCodeBase + 30;	var code = new PaymentProcessorOutage(this, code); Code segment		
.FormatCustomEventDetails(null);	Content("done");		
.Raise();	and the same of th		
.Concat()			

Correct Answer:



ApplicationDetailCodeBase: Identifies the offset for the application detail event codes. This field is constant.

WebRequestEvent.Raise()

Raises an event by notifying any configured provider that the event has occurred. (Inherited from WebBaseEvent.)

Incorrect:

ActionResult WebEventCodes

WebExtendedBase: Identifies the offset for the custom event codes. This field is constant.

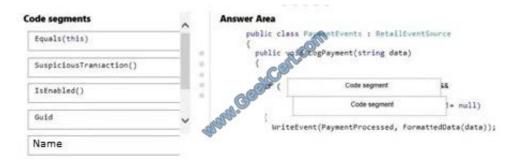
ApplicationCodeBase: Identifies the offset for the ASP.NET health-monitoring application event codes. This field is constant.

There is no WebRequestEvent.Concat() event. Reference: WebEventCodes Class https://msdn.microsoft.com/en-us/library/system.web.management.webeventcodes(v=vs.110).aspx Reference: WebRequestEvent Class https://msdn.microsoft.com/en-us/library/system.web.management.webrequestevent(v=vs.110).aspx

QUESTION 5

You are developing an ASP.NET MVC application that processes payments for an online retailer The retailer provides a .NET assembly that contains a class named Retail EventSource That derives from the EventSource class. The RetailEventSource class has a method named SuspiciousTransaction that returns True when the order originates from a system that differs significantly from the system that usually performs orders. The RetailEventSource class also has a field named PaymentProcessed that stores the event identifier for a payment-processed event. Events must be written only when the event source is in a state where writing events is valid You need to create a derived type that contains the method to raise a PaymentProcessed event

Select and Place:



Correct Answer:



QUESTION 6

You are developing an ASP.NET Core application. You plan to use YAML as the configuration language.

You create a custom YAML configuration parser.

You need to implement a mechanism to support reading and applying these YAML configurations.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations.

Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between

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panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

```
Code segments

Answer area

DistionaryConfigurationSource

JsonConfigurationSource

JsonConfigurationProvider

JsonConfigurationProvider

FileProvider FileProvider ?? builder.GetFileProvider();
return new famlConfigurationProvider(this);

FileConfigurationProvider

FileConfigurationProvider
```

Correct Answer:

```
Code segments

Answer area

DistionaryConfigurationSource

public class YamlConfigurationSource: FileConfigurationProvider

functionSource

public override IConfigurationProvider Build(IConfigurationBuilder builder)

fileProvider FileProvider ?? builder.GetFileProvider();

return new YamlConfigurationProvider(this);

FileConfigurationProvider

FileConfigurationProvider
```

QUESTION 7

You are developing a .NET Core library that will be used by multiple applications. The library contains ASP.NET Core middleware named EnsureSecurityMiddleware.

EnsureSecurityMiddleware must always run prior to other middleware.

You need to configure the middleware.

How should you complete the code? To answer, drag the appropriate code segments to the correct 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.

NOTE: Each correct selection is worth one pint.

Select and Place:





Correct Answer:



Reference: https://docs.microsoft.com/en-us/aspnet/core/fundamentals/middleware/?view=aspnetcore-2.1

QUESTION 8

You are developing an ASP.NET Core Web API.

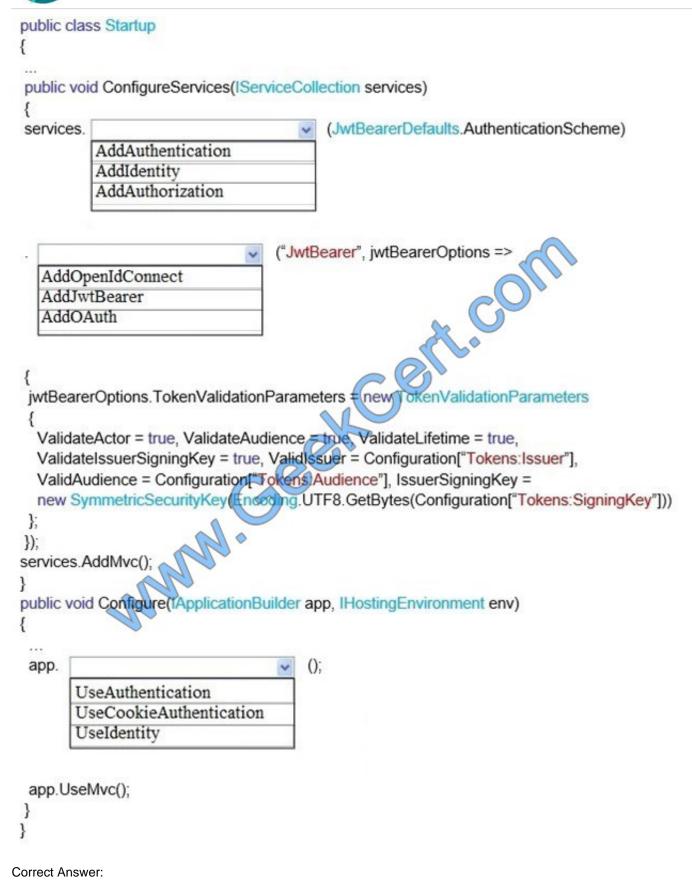
API methods must use JSON Web Tokens (JWT) to authenticate the method caller.

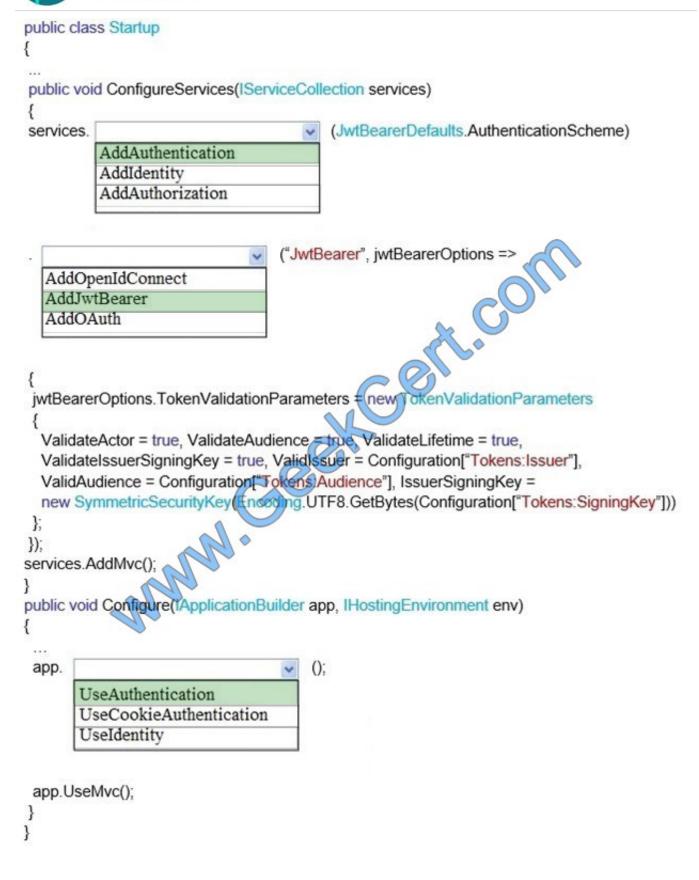
You need to implement JWT authentication.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:





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QUESTION 9

You are employed as a developer at Certkingdom.com. Certkingdom.com has a single Active Directory domain, named Certkingdom.com.

You are making use of Visual Studio 2012 to create a new ASP.NET MVC application for Certkingdom.com. Upon initialization of the application, you find that exceptions are thrown and handled.

You are required to find out what the state of the application is at the time of the exception being thrown. You should consider selecting Exceptions from the DEBUG menu in Visual Studio 2012. Which of the following actions should you take?

(Choose all that apply.)

- A. You should also consider selecting the User-unhandled check box for Common Language Runtime Exceptions option.
- B. You should also consider selecting the Usehandled check box for Common Language Runtime Exceptions option.
- C. You should also consider de-selecting the User-unhandled check box for Common Language Runtime Exceptions option.
- D. You should also consider de-selecting the User-unhandled check box for Common Language Runtime Exceptions option.

Correct Answer: C

QUESTION 10

Customers download videos by using HTTP clients that support various content encodings. You need to configure caching on the DownloadVideo action to maximize performance. Which attribute should you add?

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

Correct Answer: B

QUESTION 11

You plan to deploy an ASP.NET Core MVC web application to a Docker container. The root folder for the web application folder has a Windows PowerShell script named publish.ps1. The script contains the following code:

```
param ([string] $buildConfig)

$env: BuildType = $buildConfig

dotnet publich -c $buildConfig

docker build -t app.
```

You need to ensure that the Docker container can be deployed.



How should you complete the code? To answer, drag the appropriate code segments to the correct locations.

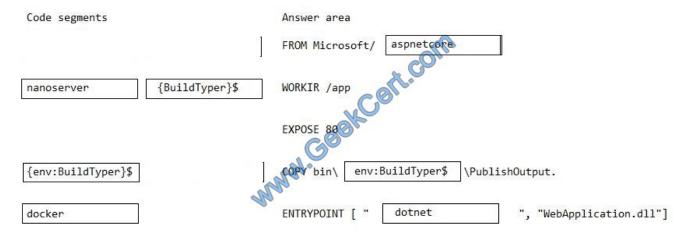
Each code segment may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code segments		Answer area
aspnetcore	dotnet	FROM Microsoft/ Code segment
nanoserver	{BuildTyper}\$	WORKIR /app
		EXPOSE 88
{env:BuildTyper}\$	env:BuildTyper\$	COPY bin\ Code segment \PublishOutput.
docker	di	ENTRYPOINT [" Code segment ", "WebApplication.dll"]
Correct Answer:		

C



FROM microsoft/aspnetcore

WORKDIR /app

COPY --from=builder /app .

ENTRYPOINT ["dotnet", "myapp.dll"]

Box 1: aspnetcore

From the DockerFile, you specify what base Docker image you\\'ll be using (like using "FROM microsoft/dotnet:1.0.0-core").



Box 2: env:BuildType\$

Box 3: dotnet

QUESTION 12

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 13

You are troubleshooting an ASP.NET MVC application that implements ASP.NET SignalR.

You need to identify the fallback transport mechanism order that ASP.NET SignalR will use.

In which order does SignalR attempt to use the transports? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: Each correct selection is worth one point.

Select and Place:

Transport types	Answer Area	
Forever Frame	Order Order	Transport Type
Server Sent Events (EvenSource)	First transport attempted	
Ajax long polling	Second Cansport attempted	
WebSockets	Third transport attempted	
	Fourth transport attempted	

Correct Answer:

Transport types

Order

Transport Type

First transport attempted

Second Cansport attempted

Server Sent Events (EvenSource)

WebSockets

Fourth transport attempted

Ajax long polling

QUESTION 14

You are developing an ASP.NET MVC application to be used on the Internet. The environment does not use Active Directory.

Users must be able to log on to the application to maintain their personal preferences.

You need to use the least amount of development effort to enable users to log on.

What should you do?

- A. Enable Digest authentication.
- B. Enable Windows authentication.
- C. Enable Forms authentication.
- D. Generate server SSL certificates and install them in IIS.

Correct Answer: C

Many Web applications require a way to restrict access to some resources (such as specific pages) so that those resources are accessible only to authenticated users. The default Web application project template for ASP.NET MVC provides

a controller, data models, and views that you can use to add ASP.NET forms authentication to your application. The built-in functionality lets users register, log on and off, and change their password. For many applications, this functionality

provides a sufficient level of user authentication.

Incorrect:

Not B: Windows authentication would require an Active Directory.



Windows authentication method works only if the following two conditions exist:

/ You set up your network to use the Kerberos authentication protocol that requires Active Directory.

/ You set up the computers and accounts on your network as trusted for delegation.

References: https://msdn.microsoft.com/en-us/library/ff398049(VS.98).aspx

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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