

The preview shows how the test is presented to participants. You can also see the correct answers for all questions except free text answers. No correct answers are shown to participants when they complete the test.

Total max score: 30

In a three tier/layered architecture. Which of the following statement(s) are correct?

☐ Code in the presentation layer may access code in the business layer

☐ Code in the business layer should not know about the data layer

☐ Code in the presentation layer may not know about the data layer

☐ Code in the presentation layer may access code in the data layer

Max score: 1

You need to post data from your presentation layer at www.hj.se to a REST API (http) at www.instagram.com. What shall you do?

☐ Due to the same-origin policy you need to use JSON-P in JavaScript

☐ Include www.instagram.com in an iframe on your presentation layer and use JavaScript to transfer the data to the iframe.

☐ Use AJAX to post the data to the API with JavaScript

☐ Post the data to an end point at www.hj.se that in turn posts the data to the API.

Max score: 1

You need to store information about a browser/user that is remembered between page requests. Which object should you use?

☐ The Request object

☐ The Response object

☐ The Server object

☐ The Session object

Pair the following functions on a DBCommand object with their correct description.

Correct answer

ExecuteNonQuery()

Execute a write operation

ExecuteReader()

Execute a full read operation

ExecuteScalar()

Single value lookup

Max score: 3

Describe the purpose of a Controller in an MVC web application.

Max score: 2

Which of the following expressions describe the default URL route format for an asp.net mvc application?

☐

{controller}/{action}/{id}

☐

{application name}/{controller}/{id}

☐

{application name}/{controller}/{action}

☐

{action}/{controller}/{id}

What is the differences between strongly typed and dynamic views in mvc applications?

Describe the difference by giving examples.

Max score: 4

Multiple action methods in a Controller may have the same name. How would you restrict access to a specific method to only be invoked on GET requests?

Max score: 2

Forms can use GET and POST. When should you use GET and when should you use POST?

☐ GET is suitable when you need to specify what resource you want, for example a web page for a specific product

☐ GET is suitable when you want to send data to the server, for example a registration form

☐ Whenever a button is pressed, GET must be used to fetch info from the INPUT fields in the form.

☐ POST is suitable when you want to send data to the server, for example a registration form

☐ POST is ONLY needed when you're uploading binary data, like images

Max score: 2

Explain the concept of MVC Scaffolding

Max score: 4

In mvc views, you can use HTML helpers. Describe what HTML elements the the following helper methods will generate:

1. **BeginForm()**
2. **ActionLink()**
3. **TextBox()**
4. **Password()**
5. **Partial()**
6. **Action()**

Max score: 3

Give examples and describe the purpose of 2 techniques/languages used in the browser.

Max score: 2

Give examples and describe the purpose of 2 techniques/languages on the server side when creating data driven webb applications.

Max score: 2

Describe the main difference between a Web API project and a MVC project in .NET

Max score: 2