

Information about exam

The exam

- 30 min. preparation after drawing a question
- 30 min. of examination incl. deliberation
 - 8-10 min. presentation
 - dialogue with questions and answers about the topic
- Rating: 7-point scale

Example Questions

Classes and objects

You may

- present at least one pre-defined class in ASP.NET Framework
- show one of your own user-defined classes
- explain the different elements in a class: fields, properties, methods, accessibility (visibility), constructors
- explain encapsulation
- demonstrate the use of one of your own classes in projects or exercises
- discuss the organization of classes in an ASP.NET MVC project

Model Validation

You may

- introduce model validation in ASP.NET MVC
- present property validation attributes and explain how to use them
- demonstrate how to create a custom property validation attribute
- present different options for displaying validation error messages
- show how to add client side validation to a HTML form and explain the concept of unobtrusive JavaScript
- discuss the importance of client side and server side validation

Topics overview

1. ASP.NET MVC, Visual Studio, and C# Language
2. Types, Objects
3. HTML Helpers in Views
4. URL Routing
5. Model Binding
6. User Interfaces with ASP.NET MVC (Layout files, Views, Partial Views etc.)
7. Entity Framework
8. Model Validation
9. Web API

Preparation for the exam

- Prepare the **key concepts** you'll explain for each **main topic**
- Write down **keywords** and **short explanations**
- Prioritizing **keywords**
- Prepare a **presentation**
- Find the **code-examples** you will present and explain
- Explain one (maybe two) **simple examples**
- Make sure you know exactly how the example(s) relate to the topic
- Continue with a **more complex** example