

# ASP.NET – INTERVIEW QUESTIONS

A free ASP.NET interview questions by,

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**1) List the features of the Chart control.**

The features of the Chart control are:

- Chart control bounds a chart with any data source.
- Simple manipulation of chart data, such as copying, merging, grouping, sorting, searching, and filtering, are done.
- It supports many statistical and financial formulas for data analysis.
- It provides advanced chart outlook, such as 2-D, 3-D, lighting, and perspective.
- It also supports events and customizations.
- It includes interactivity with Microsoft AJAX.
- It supports AJAX Content Delivery Network (CDN).

**2) How do you validate Input data on web page?**

Input validation on web page is one of the very important task that should be done before submitting a web page to server. ASP.Net provides some validation controls like RequiredFieldValidator control, RegularExpressionValidator control, CompareValidator control, RangeValidator control, ValidationSummary control and CustomValidator control to validate data in web controls and shows user friendly Messages to the user.

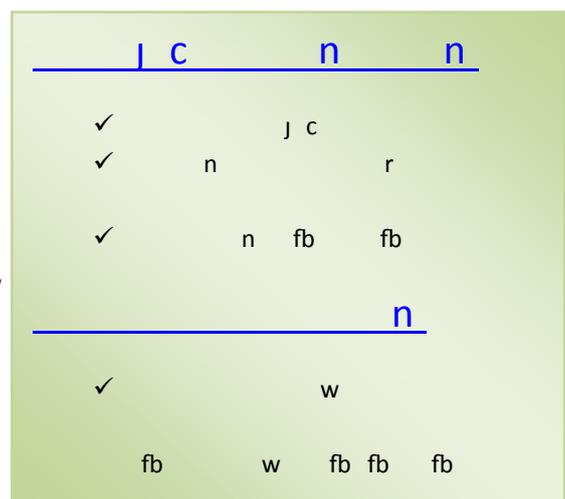
**3) Explain ASP.Net Catching?**

One of the important performance factor for large web applications is ASP.Net catching. It stores frequently accessed data in to catch object.

**4) What are different catching mechanisms available in ASP.Net?**

The different types of catching mechanisms available in ASP.NET are

- 1.Application Catching
- 2.Page Output Catching



**5) Does ViewState affect performance?**

Viewstate stores the state of controls in HTML hidden fields and this stored information can grow in size sometimes. Due to this growth in size the overall responsiveness of the page therefore the performance is also affected.

**6) What is the ideal size of a ViewState?**

The ideal size of a viewstate should be between 25-30% of the page size.

**7) What is the difference between login controls and Forms authentication?**

Forms authentication can be easily implemented without writing any code with by using login controls. Login control performs functions like prompting for user credentials, validating them and issuing authentication just as the FormsAuthentication class.

**8) What is use of the AutoEventWireup attribute in the Page directive ?**

The AutoEventWireUp is a boolean attribute. When this attribute is set to true on the page, the page events are wiredup automatically. By default it is true for a C# web form whereas it is set as False for VB.NET forms. Pages developed with Visual Studio .NET have this attribute set to false, and page events are individually tied to handlers.

**9) Can I deploy the application without deploying the source code on the server?**

Yes, the application can be deployed without deploying the source code on the server . The code can be obfuscated by using a new precompilation process called “precompilation for deployment”. The aspnet\_compiler.exe can be used to precompile a site. This process builds each page in your web application into a single application DLL and some placeholder files. These files can then be deployed to the server.

**10) What is Fragment Caching in ASP.NET?**

The caching of individual user controls within a Web Form is referred as Fragment Caching. It is also known as partial page caching. Each and every user control can have independent cache durations and implementations of how the caching behavior is to be applied.

**11) What are partial classes in .net?**

Partial classes allow the user to physically divide the class definition into multiple files and logically all the partial classes are treated as a single file by the compiler.

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**12) Describe how Passport authentication works.**

When the passport authentication is implemented on the ASP.NET application, it checks the user's machine for a current passport authentication cookie. If the cookie is not available, the user is directed to a Passport sign-on page. The Passport service authenticates the user and stores an authentication cookie on the user's computer and then direct the user to the requested page.

**13) Explain the steps to be followed to use Passport authentication.**

The steps to be followed to use passport authentication are

1. First, the Passport SDK is installed.
2. Secondly, set the application's authentication mode to Passport in Web.config.
3. Then set authorization to deny unauthenticated users.
3. The PassportAuthentication\_OnAuthenticate event is used to access the user's Passport profile to identify and authorize the user.
4. Finally a sign-out procedure is implemented to remove Passport cookies from the user's machine.

**14) Explain the advantages of Passport authentication.**

The advantages of passport authentication are

- 1) The user need not have to remember separate user names and passwords for various Web sites
- 2) It enables user to maintain his or her profile information in a single location.
- 3) It also allows user to avail access to various Microsoft services, such as Passport Express Purchase.

**15) What is caching?**

The technique of storing frequently used items in memory so that they can be accessed more quickly is known as caching. By caching the response, the request is served from the response already stored in memory. It's very important to choose the items to cache wisely as Caching incurs overhead. It is good to cache the web form that is frequently used and does not contain data that frequently changes. A web form that is cached freezes form's server-side content and changes to that content do not appear until the cache is refreshed.

