

Naresh Information Technologies

ASP.NET AJAX Course

By Mr Nagaraju

This course provides students with the knowledge and skills to develop a project using ASP.NET AJAX technologies. It is designed for ASP.NET 2.0 web content developers, and may also be useful to web project managers, architects, analysts and designers.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- ✓ Have C#(preferred) or VB.NET programming skills.
- ✓ General ASP.NET 2.0 and Web programming concepts.
- ✓ Understand general HTML/XHTML, CSS, and JavaScript syntax and functionality.

Purpose:

It is important for every web developer to develop applications with Web 2.0 Standards. Rich Internet applications can be developed with AJAX. After completing this course, students and developers will be able to take advantage of AJAX programming techniques; understand ASP.NET AJAX architecture; implement Partial Page Updates; make use of ASP.NET AJAX with Master Pages; invoke Web Service Methods and Page Methods from client-side JavaScript; make use of the ASP.NET AJAX Control Toolkit; invoke most wanted web services in AJAX way; debug ASP.NET AJAX applications; Silverlight* and more. We have designed the course to meet everybody's requirements and our schedule is also given below. If the below content is what for you are waiting then Quickstart ASP.NET AJAX now.

Day	Asp.Net AJAX
#	Schedule for batch 7:45p Date:
1	Evolution of Web. What is AJAX ? AJAX Role in Web Applications. What is AJAX. Web Apps Classical and AJAX based. AJAX not as a new technology. 3-Tier Client/Server applications using AJAX. 2 main pillars of AJAX. Important Terms of AJAX. Simple demo of AJAX. Sample AJAX application views.
2	ASP.NET AJAX Framework. How it is different than AJAX ? Web 2.0 Targets. ASP.NET AJAX Architecture. Install and configure Microsoft's ASP.NET AJAX Extensions. ASP.NET AJAX support for 1.1/2.0/3.0/3.5 and above. Assemblies installed in the GAC. Writing the first ASP.NET AJAX program using VS.NET 2005/2008. Simple Overview of UpdatePanel and ScriptManager.
3	Day 2 continued. Detailed ScriptManager and UpdatePanel View. Their roles in application development. Demos using both controls. Benefits and Concerns.
4	Working with Timer, UpdatePanels and Contenttemplates. Using UpdateProgress Control for progress display in asynchronous mode. Application Oriented Demos
5	More AJAX Programming. RIA and AJAX world. Plug In technology for browsers. Debug ASP.NET AJAX applications. Fiddler and some 3 rd party programmer tools. Debug using VS.NET 2005/2008 and Internet Explorer
6	Enhance Web UI with ASP.NET AJAX Control Toolkit. What is a Toolkit ? What is the difference between asp.net controls and toolkit controls. Running apps using Control Toolkit - 1. Live Demos.
7	Working with AJAX Control Toolkit Controls - 2
8	Working with AJAX Control Toolkit Controls - 3
9	Call Web Services using ASP.NET AJAX. Describe the architecture of web services and key technology enablers. Advantages and Drawbacks of ASP.Net AJAX web services architecture. Create ASP.NET We Services.
10	Web Services - How to convert existing web services and create new with AJAX attributes. Why JSON request/response instead of SOAP and others ? Create Javascript Web Service proxy objects using the Script Manager. Web services using proxies.
11	Web Services continued ... Create and call Page methods. Real time ASP.Net application development using AJAX libraries, Web Services and other Microsoft Supported technologies.
12*	Introduction to other RIA technologies, Silverlight and its relation with AJAX. Demos for the same. What's More in AJAX ? Comments and Credits.

* only if the regular topics are completed

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