

Dojo Framework

Course Name	Dojo 1.x
Course Description	The Dojo Toolkit is an open-source library of JavaScript code that leverages methodologies including the Ajax technique. In this course you will explore the Dojo Toolkit, create a feature-rich web application based with the Dojo toolkit, implementing features typically difficult for Ajax-enabled applications and more.
Target Population	Web based application developers with good knowledge of AJAX
Pre-requisites	<ul style="list-style-type: none"> • Basic knowledge of JavaScript and HTML • Good knowledge of AJAX • Good knowledge of object-oriented programming in Java, C++ and/or C#.
Course Topics	<p>1. Introduction</p> <ul style="list-style-type: none"> - What is dojo? - dojo widgets - Why use dojo? - Why not use dojo? - comparison with other toolkits <p>2. How does dojo work?</p> <ul style="list-style-type: none"> - downloading and installing dojo - hello world analysis - the dojo execution phases * including helloworld and showcase demo exercises <p>3. Programmatic vs. Declarative dojo</p> <ul style="list-style-type: none"> - What is the declarative style? - What is the programmatic style? - mixing and matching styles - hello world in the programmatic style - Which style should you choose? * including programmatic style helloworld exercise <p>4. Infrastructure</p> <ul style="list-style-type: none"> - support for themes - support for require (and reduction of load on the server) <p>5. Event system</p> <ul style="list-style-type: none"> - introduction to the dojo event system - the declarative way - the programmatic way - comparison * including exercise in dojo events <p>6. Widgets</p> <ul style="list-style-type: none"> - introduction to the dojo widget system - examples of some of the widgets and their properties * including exercise in dojo widgets

	<p>7. xhr</p> <ul style="list-style-type: none"> - xhr support in dojo - different APIs for different needs * including exercise in dojo xhr <p>8. history</p> <ul style="list-style-type: none"> - history support in dojo * including exercise in dojo history (back support) <p>9. data</p> <ul style="list-style-type: none"> - data support in dojo - rolling your own data * including exercise in dojo data using a predefined data source <p>10. Advanced Topics (If time permits):</p> <ul style="list-style-type: none"> - Widgets: rolling your own widgets - REST: how does Dojo fit in with REST - Open AJAX: how does Dojo fit in with Open Ajax
Course Duration	3 days