

Testing Web, eBusiness and Web Services		Topical Outline
<ul style="list-style-type: none"> • Understand the unique challenges in testing Web applications • Understand how different technologies drive different approaches to testing • Separate client-side and sever-side testing • Apply solid testing techniques to Web applications • Apply risk management techniques to organize testing effort • Create maintainable software test documentation • Understand the impact of various browsers and operating systems • Know when Performance, Load and Scalability tests are required • Know when additional security testing is required • Regression test strategies for Web applications 		<p>Understanding the Challenges</p> <ul style="list-style-type: none"> ➤ Why is Web testing different? ➤ New development technologies ➤ Risk Assessment <p>Understanding Web Architectures</p> <ul style="list-style-type: none"> ➤ Web and Internet architectures ➤ Web Protocols ➤ Proxy Servers and Firewalls ➤ CGI, ASP, JSP, .NET ➤ Browser Plugins ➤ Web Services, SOAP, XML, J2EE, SOA <p>Understanding and Prioritizing Testing Types</p> <ul style="list-style-type: none"> ➤ Usability testing ➤ Configuration testing ➤ Security testing ➤ Performance testing ➤ Regression testing <p>Testing Web-Specific Technologies</p> <ul style="list-style-type: none"> ➤ Client-side vs. server-side testing ➤ Scripts and Applet testing ➤ Cookie testing ➤ Form testing <p>Helpful Testing Tools</p> <ul style="list-style-type: none"> ➤ Link Checkers ➤ Security Tools <p>And then you go Live</p> <ul style="list-style-type: none"> ➤ Defining a Release ➤ Testing on Production ➤ Daily/ Weekly testing ➤ Monitoring
<p>Description Software testing is software testing, right? Not when it comes to testing Web applications. This course provides students with additional knowledge and skills required to conduct complete software testing for Web applications.</p> <p>This 2 day course provides a foundation of knowledge of Web-specific test concepts, practices and hands-on experience. This course includes Web terminology and technologies, planning and organizing what to test, deciding which types of testing to use and building a test process that supports daily or hourly releases to a live site. This 2 day class covers more web technologies than the one day class, goes into more depth as to how to test those technologies and provides an overview to tools that can help with web testing.</p>	<p>Audience, Prerequisites</p> <p>The course is intended for beginner or intermediate testers, analysts and engineers who need to develop a working knowledge of Web software testing methodology. Attendees should have a basic familiarity with testing principles in theory and in practice. Knowledge of programs, environment and Web browsers is helpful, but not required. Experience in ad-hoc testing of applications is helpful, but not required.</p> <p>Course length: 2 days</p> <p>Course format: lecture plus individual and group exercises and discussions.</p>	