

Web Testing Techniques		Topical Outline
<ul style="list-style-type: none"> <li>• Understand the unique challenges in testing Web applications</li> <li>• Understand how different technologies drive different approaches to testing</li> <li>• Separate client-side and sever-side testing</li> <li>• Apply solid testing techniques to Web applications</li> <li>• Apply risk management techniques to organize testing effort</li> <li>• Create maintainable software test documentation</li> <li>• Understand the impact of various browsers and operating systems</li> <li>• Know when Performance, Load and Scalability tests are required</li> <li>• Know when additional security testing is required</li> <li>• Regression test strategies for Web applications</li> </ul>		<p><b>Understanding the Challenges</b></p> <ul style="list-style-type: none"> <li>➤ Why is Web testing different?</li> <li>➤ Release Cycles</li> <li>➤ New development technologies</li> <li>➤ Risk Assessment</li> </ul> <p><b>Understanding Web Architectures</b></p> <ul style="list-style-type: none"> <li>➤ Web and Internet architectures</li> <li>➤ Web Protocols</li> <li>➤ Proxy Servers and Firewalls</li> <li>➤ CGI, ASP, JSP, .NET, J2EE</li> <li>➤ Browser Plugins</li> </ul> <p><b>Understanding and Prioritizing Testing Types</b></p> <ul style="list-style-type: none"> <li>➤ Usability testing</li> <li>➤ Configuration testing</li> <li>➤ Security testing</li> <li>➤ Performance testing</li> <li>➤ Regression testing</li> </ul> <p><b>Testing Web-Specific Technologies</b></p> <ul style="list-style-type: none"> <li>➤ Client-side vs. server-side testing</li> <li>➤ Scripts and Applet testing</li> <li>➤ Database testing</li> <li>➤ Cookie testing</li> <li>➤ Form testing</li> </ul> <p><b>And then you go Live</b></p> <ul style="list-style-type: none"> <li>➤ Defining a Release</li> <li>➤ Testing on Production</li> <li>➤ Daily/ Weekly testing</li> <li>➤ Monitoring</li> </ul>
<p><b>Description</b></p> <p>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 software testing for Web applications. This course provides a foundation of knowledge of Web-specific test concepts.</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><b>Audience, Prerequisites</b></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><b>Course length:</b> 1 day</p> <p><b>Course format:</b> lecture plus individual and group exercises and discussions.</p>	