

Intro to soapUI Training Syllabus – Q4 2009

Section	Unit	Title & Key Topics	Exercises
40	10	XML Fundamentals <ul style="list-style-type: none"> ● XML Origins ● XML Today ● XML Document Structure 	2
40	20	XML Namespace Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage ● Syntax Examples 	-
40	30	XML Schema Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage ● Syntax Examples 	2
50	10	WSDL Fundamentals <ul style="list-style-type: none"> ● Purpose and Usage ● High-level Document Structure ● WSDL Document Abstract Section ● WSDL Document Concrete Section 	-
60	10	SOAP Fundamentals <ul style="list-style-type: none"> ● Purpose and Usage ● High-level Document Structure ● Header Section ● Body Section 	-
70	10	XPath Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage ● Demonstration ● Syntax Examples 	-
80	10	XQuery Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage ● Demonstration ● Syntax Examples 	-
90	10	REST Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage ● Demonstration ● Syntax Examples 	-
90	20	WADL Fundamentals <ul style="list-style-type: none"> ● Purpose & Usage 	-

		<ul style="list-style-type: none"> • Syntax Examples 	
100	10	<p style="text-align: center;">Security Fundamentals</p> <ul style="list-style-type: none"> • Authentication • Authorization • Confidentiality / Privacy • Single Sign-On (SSO) • Digital Signing 	-
110	10	<p style="text-align: center;">Getting Started, Getting Around soapUI</p> <ul style="list-style-type: none"> • Architecture • Test Structure & Terminology • User Interface • Project Structure • Reporting 	14
110	20	<p style="text-align: center;">Navigating the Project View</p> <ul style="list-style-type: none"> • The Project View User Interface • Properties • Requirements • Setup & Teardown Scripts • Project Load Scripts 	6
110	30	<p style="text-align: center;">Navigating the Interface, Operation, and Request Views</p> <ul style="list-style-type: none"> • Interfaces • WSDL Compliance • Operations • Properties 	10
110	40	<p style="text-align: center;">Navigating the Request Editor</p> <ul style="list-style-type: none"> • Request Usage • Properties • Examining Sent, Received XML • Validating Request Forms 	9
110	50	<p style="text-align: center;">TestSuites</p> <ul style="list-style-type: none"> • TestSuite Usage • Setting Coverage Options • Cloning TestSuites 	7
110	60	<p style="text-align: center;">TestCases</p> <ul style="list-style-type: none"> • TestCase Usage • TestCase Sequencing • Associating Requirements • Setup Scripts 	8

110	70	<p style="text-align: center;">TestSteps</p> <ul style="list-style-type: none"> ● TestStep Usage ● Types of TestSteps ● Sequencing TestSteps 	21
110	71	<p style="text-align: center;">Data-driven Testing</p> <ul style="list-style-type: none"> ● Importance of Testing with Real Data ● Types of DataSources 	4
110	80	<p style="text-align: center;">Understanding Assertions</p> <ul style="list-style-type: none"> ● Usage ● Types of Assertion ● Creating Assertions from Results ● Tying Multiple Steps Together 	10
110	90	<p style="text-align: center;">Introduction to Mock Services</p> <ul style="list-style-type: none"> ● Usage ● Mock Service, Operation, Response ● Scripting and Mock Services ● Coverage 	5
110	110	<p style="text-align: center;">Load Testing</p> <ul style="list-style-type: none"> ● Functional Load Testing ● Behavioral Load Testing ● Performance Load Testing ● Requirements-Driven Load Testing ● Extending Load Testing 	8
110	120	<p style="text-align: center;">Refactoring</p> <ul style="list-style-type: none"> ● Purpose ● Refactoring Messages ● Refactoring Operations 	2
110	130	<p style="text-align: center;">Introduction to Groovy</p> <ul style="list-style-type: none"> ● Groovy fundamentals ● Flow control ● The soapUI object model ● Dynamic management of tests ● Extending soapUI with Groovy 	5