WiseClouds

soapUI 2-Day Training Class Topics

- *Mission-critical Service Testing* methodology
  - Thoroughly test your services
  - Test using large amounts of realistic data
  - Make sure you govern your services
  - Get the most productivity from your developers and testers
  - Fully track your test results
  - Test your services under realistic loads
  - Make sure your services are secure
- soapUI architecture
  - Choosing optimal settings
  - Properties
- Projects
  - Composite projects
- Interfaces, Operations, Requests
  - Validating request inputs
  - Creating multiple requests
- TestSteps
  - Test Request
  - Groovy script
  - Properties
  - Property transfer
  - Conditional Goto
  - Delay
  - Run TestCase
  - REST Test Request
  - HTTP Test Request
  - Mock response
  - JDBC Test Request
  - AMF Test Request
  - DataSource
  - DataSource Loop
  - DataSink
  - DataGen
- Assertions
  - SOAP/non-SOAP
  - CONTAINS/Not CONTAINS
  - SOAP fault/non-SOAP fault
  - Response SLA
  - XPath/XQuery match
  - Script
- Functional tests
- Requirements
  - Project-level requirements
  - TestCase-level requirements
- Mock services
  - Configuring responses
  - Scripting

    - Routing
- Data-driven tests
    - Feeding a test with data
    - Associating assertions with data-driven tests
    - Writing test results
- Refactoring
    - Messages
    - Operations
- Monitoring network traffic
- Load testing
    - Functional
    - Behavioral
    - Performance
    - Requirements-driven
- Test coverage
    - Configuring measurements
- Web service interoperability
    - Basic profile
- The Groovy programming language
    - Flow control
    - The soapUI object model
    - Dynamic test management
- Monitoring
    - SOAP traffic
    - TCP/IP traffic
- Reporting
    - JUnit
    - Data export
    - Jasper
- Event handlers
- Security considerations
    - Authentication
    - Authorization

The format of the class is 25% lecture, 75% hands-on lab work. Each student is required to have access to a computer for the hands-on lab sessions. All necessary software will be provided prior to class.