Test Driven Development I - Intro - Exercises

02 - Touchstone TestScript Execution - Workflow

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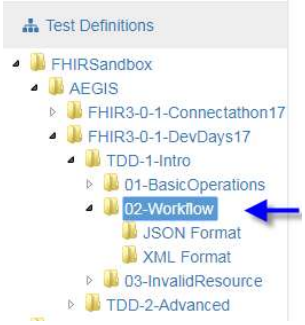
During this hands-on session of the Test Driven Development I - Intro tutorial we will explore TestScript Execution within the Touchstone Project environment. This exercise examines a series of basic FHIR operations (read, search, create, update and delete). All operations are performed in a single TestScript illustrating a workflow sequence of event. The following generic steps performed in sequence will be used to execute the TestScript:

1. Create and execute a Test Setup
2. Examine the Test Execution interface
3. Examine the TestScript Execution interface

TestScripts for this exercise are in the **FHIR3-0-1-DevDays17/TDD-1-Intro/02-Workflow Test Definitions*
Please refer to the Touchstone User Guide section or the previous exercise **Touchstone TestScript Execution - Basic Operations for help with the generic steps.*



1. Create and execute a Test Setup
Related online document: https://touchstone.aegis.net/touchstone/TouchstoneUserGuide#page=12, Section 'Executing Tests'.

2. Test Execution Interface
3. TestScript Execution Interface
Related online document: https://touchstone.aegis.net/touchstone/TouchstoneUserGuide#page=15, Section 'Test Execution Results'.

TestScript Description

All TestScripts for this exercise use the Patient resource type.

02-Workflow
Test the basic FHIR operations against a Patient resource type. The operations are ordered according to a basic workflow pattern of create, update, read, search and delete.
Features

- Uses the setup element prior to all tests; *examine the setup and note the use of the conditional delete operation; why is this only operation needed?*
- Uses fixtures; *examine the fixtures and note the static contents*
- Uses multiple profiles; *asserts invoke the FHIR Validation Engine using profiles*
- Uses multiple variables; *examine the variable definitions and their use throughout the various asserts*
- Examine the various asserts; some operations only have one or two, others have many; *based on the FHIR specification, what other possible asserts might be needed?*

Have fun, and remember to ask questions if you need help!