Individual Activity: Refine the Integer calculator and validate it using the test script

Lynn Robert Carter, PhD

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Activity Kind

Individual Activity

Purpose

Given a list of things to do is, in many ways, the easy part. Actually doing the work is the hard part. The challenge is to get into a rhythm and to systematically work your way toward completion. In this case, understand each requirement, determine whether or not the item remains to be addressed. If not, mark it done and move on. If it is still as issue, start by reflecting on work you have already done and ask yourself how you might be able to leverage what you've done and/or know to accomplish this task. If you have an epiphany, write it down in your ENB right now. It is fascinating how quickly this clarity can fade and then disappear.

Pre-requisite

Before doing this exercise, you must have studied the following video and participated in the following exercise:

- Video - Test-Driven Development (TDD) (14:46)

- Small Group Exercise - Test-Driven Development (TDD)

- Small Group Activity - Create test scripts for the Integer Calculator

Tasking

Iteratively select an item that is the most important in terms of getting and advancing customer satisfaction, and work on it first. Doing all of the easy stuff first may make you feel good, but it can consume a lot of time and may not have the impact of a fewer number of really important items. A key aspect of being a professional is realizing that you are working for your clients and what is critical for them should be your focus, not want is fun, or easy, or important for you.

As you work your way, iteratively, through your test scripts and ensure that the key things are getting done, check things off in your ENB's To Do List for the activity as you go by noting when you finished it and a quick assessment about the amount of work you have done (e.g. how many lines of code did it take to do that task). This is the kind of information that will allow you to compute production rates and allow you to make better predictions in the future.

Deliverable

The only deliverable you need to submit for this activity is your ENB.

Submission

You are expected to submit your ENB with notes from this session by the specified deadline.