

Small Group Exercise: Test-Driven Development (TDD)

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2019-02-10

Activity Kind

Small group exercise

Purpose

The purpose of this exercise is to further understand Test-Driven Development and to get ready for the upcoming activities, where each individual will be expected to use TDD as part of their refinement of their Integer Calculator.

Pre-requisite

Students are expected to have done the following:

1. Watched - Video - Test-Driven Development (TDD) (14:46)

Tasking

Students are partitioned in to groups of two to three students. For this exercise, each student should be ready to capture notes into the ENB.

1. The group first discusses what has already been provided, what has not been tested, and any options that are available for doing a good job with TDD of the Integer Calculator. For most groups, the expectation is that the conclusion will be to use a combination of a manual process with some automated testing with test mainlines. Some more advanced individuals may wish to take advantage of more advanced tools, such as Junit or other even more sophisticated automated tools, but that is **not** required.
2. The group then identifies a list of issues that need to be resolved in order to do a good job of testing the application.
3. For each issue, the group proposes how the issue can be resolved and the code tested.
4. Each individual records the issues and their ideas on how they can be resolved and the code tested.
5. The group identifies issues that confuse them or about which they have doubts to be resolved by the whole group and/or the mentor

Deliverable

There is no specific deliverable for this activity beyond the notes recorded for this activity in the individuals' ENBs.

Submission

The students must produce and have the ENB notes recorded for this activity prior to moving on to the next activity or exercise.