TCASES

Black box Tester
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Introduction

- Tcases is a tool for designing tests. It doesn't matter what kind of system you are testing. Nor does it matter what level of the system you are testing — unit, subsystem, or full system. You can use
- Tcases to design your tests in any of these situations.
- Then Tcases generates a minimal set of test cases that meets your requirements.

Cont…

- Tcases is primarily a tool for blackbox test design.
- The concept of "coverage" is different from structural testing criteria such as line coverage, branch converges, etc. Instead, Tcases is guided by coverage of the input space of your system.
- "Input space":the set of all (combinations of) input values that could possibly be applied.

How Does It Work?

- Step-1: Create a system input definition, an XML document that defines your system as a set of functions. For each system function, the system input definition defines the variables that characterize the function input space.
- Step-2: Create a generator definition. That's another XML document that defines the coverage you want for each system function. The generator definition is optional. You can skip this step and still get a basic level of coverage.

How Does It Work?

- Step-3: Run Tcases. Tcases is a Java program that you can run from the command line or from your favorite IDE. Tcases comes with built in support for running using a shell script or an ant target. You can also run Tcases with Maven using the Tcases Maven Plug-in.

Installing The Tcases Distribution

◻ To get the command line version of Tcases, download the Tcases binary distribution file from the Maven Central Repository, using the following procedure:

◻ Step-1: Visit the Central Repository search page.

◻ URL:http://search.maven.org/#search|ga|1| tcases-shell

◻ Step-2: Search for "tcasesshell".

- Step-3:Download the most recent version for the artifact named "tcasesshell". You can choose to download this either as a ZIP file or a compressed tar file (tar.gz).