|  |  |  |  |
| --- | --- | --- | --- |
| Title | ThreadedTaskController Test | Test priority | High |
| Module Name  com.eteks.sweethome3d.viewcontroller | | | |
| Test type | Black box, unit test | | |
| Purpose | Tests threaded task controller features. | | |
| Test Description  In this test, it tests various methods in the ThreadedTaskController with combination of DefaultUserPreferences and SwingViewFactory. DefaultUserPreferences supports the getLocalizedString method to DefaultUserPreferences to execute the created thread task in its methods.  It is important that executeTask method execute those tasks in different threads and completed the works defined in the task | | | |
| Prerequisite  Apply the VM arguments as follow:  -Djava.ext.dirs=lib/windows/i386;lib,  -Djava.ext.dirs=lib/windows/x64;lib,  -Djava.ext.dirs=lib/macosx:lib,  -Djava.ext.dirs=lib/linux/i386:lib  or -Djava.ext.dirs=lib/linux/x64:lib  according to your system and its architecture, except under Java 7 and Mac OS X,  where VM arguments should be:  -Djava.ext.dirs=lib/macosx/java3d-1.6:lib -Djava.library.path=lib/macosx/java3d-1.6  -Djogamp.gluegen.UseTempJarCache=false | | | |
| Dependencies  Not any | | | |
| Input Data  The string of the label text for each test case | | | |
| Expected Result   * testNormalExecute - execution of a thread task lasts for 2 seconds * testCancelTask - test canceling a task, it cancels the task after 1 second, the state of the task should be cancelled * testRunningTask - test a running state of the task after 2.2 second, the task should be in running state * testThreadTaskViewLabelText - test a message display as expected while create a view in the thread task * testThreadTaskViewCreate - test creating a view in a thread task and the view display on the screen | | | |
| Actual result  testNormalExecute – a panel display on the screen and last 2 seconds  testCancelTask - a panel display on the screen and task is interrupted to cancel  testRunningTask - a panel display on the screen and task is in running state  testThreadTaskViewLabelText – a panel display on the screen and display the text “a taskview task label text”  testThreadTaskViewCreate – a panel display on the screen | | | |
| Steps   1. Assign a label text 2. Execute the test | | | |
| Output  Panel display on the screen | | | |
| Exit criteria  Panel display on the screen with no error | | | |
| Post-condition  Test case run successfully with no assertion error | | | |