

## How to recover from a specification failure

### Background

With few exceptions, Mango can be reset after a specification failure. Notable exceptions include the "illegal thread access" error, which is fatal. Another situation where Mango cannot reset results in a faded red [Mango button](#). Finally, if nothing is reported in the [Mango console](#) for a long time, then the specification may be hung or thrashing. In this case, the procedure below will fail. If any of these cases occur, please quit the Workbench in the usual manner. Do not abort the Workbench by extraordinary means as this may cause trouble with Eclipse metadata. It is possible for Mango to crash so badly that other Workbench functionality is compromised, but this is rare.

### Procedure

1. If the [cancel button](#) is red, the press it and wait for it to fade. Wait for the [Mango button](#) to turn blue. If either of these fails to happen, then recovery has failed. Mango will not be functional again until the Workbench has closed and been reopened.
1. Before completing the reset, determine if Mango pushed anything to the file system related to the failed run. In this case, the corresponding icons will appear in the source code view and the Specification view. If desired, locate and delete these modules in the package explorer. The procedure is the same as that to [replay an existing spec](#). Mango will rebuild any modules that have been deleted and are required for the population command target. Modules that are required and exist from a previous run will be used as is.

**\*\*FIXED 5/24/2012\*\*** The familiar cut-paste-delete commands now work correctly for modules and shadows within the Mango Explorer. These changes are automatically synchronized with the Package Explorer and the native file system. However, you still have to press the sync button to reset for the next specification

1. To complete the Mango reset, press the [sync button](#). When this button returns to its normal color, Mango is ready for work again. Note that you must do this regardless of whether or not anything in the native file system changed, because there are also some crucial internal resets that this button triggers.