Emtech Group, Inc

QMT Release Notes

Version 2.2.0

QMT

Emtech's QMT is a high-performance model-based quality engineering software for validating the insurance value chain. QMT automatically generates test cases and test data along with test scenario execution. By testing the end-to-end process of insurance systems, and the integrations between them, Carriers, Insurtechs and software vendors can drive quality into product launches and eliminate embarrassing errors experienced by distributors and customers post-launch. QMT allows the development team to shift-left by finding defects earlier, thereby reducing the QA cycle. QMT takes the guess work out of test scenario creation, allowing QA to automate end-to-end business flow testing, speeding product launch delivery & driving cost efficiency.

What's New in Version 2.2.0

QMT Version 2.2.0 features a wide selection of new nodes and updates to existing nodes that will enhance the model creation and management of the key interactions in the testing process.

New Nodes

The following nodes are now available when creating and/or updating models in QMT.

- Slider: interacts with slider elements and selects a particular value from the slider
- Wait for Element to be Not Visible: waits for an element to be not visible, but still present in DOM as hidden.
- Valid US Address (Generate): generates a random valid US address based on the parameters selected

Updates to Existing Nodes

The following nodes in QMT have been enhanced with new features.

- Dropdown (Input): update of Dynamic XPath to an optional field
- All Nodes: introduction of 'Wait for Element to be Not Visible' parameter as a post step action
- All Nodes: introduction of 'Soft Failure' checkbox to indicate whether to continue with the execution of a test case even after the failure of a particular test step
- All Screenshot Nodes: now accepts 'Floating Header Size' as an input variable with a default value selected

- Flow IF, Enable IF: auto-complete is supported in Variable tables
- Generate Nodes: introduction of sub-categories for all generate nodes

Removal of Existing Nodes

The following nodes have been removed from QMT

- Full Address node (Generate): This node has been removed and replaced with 'Valid US Address' Node. Opening an existing model in the new version will remove all 'Full Address' nodes.

Migration

- Create the new node ‘Valid US Address’ in place of the old ones and replace all the node references (if necessary)

Model Configuration

The Model Configuration Dock is used to configure model specific settings. The following settings are currently supported:

- Test Scenario Descriptor: a description of the use case(s) covered by the model. Can be defined using a collection of node references, static text and formulas. During test execution the evaluated output is populated as the test description on each test case

- Rounding Algorithm: A list of industry standard rounding algorithms. The selected algorithm will be applied to all calculations using a ‘round’ function

- Soft Failure: used to toggle on/off Soft Failure checkbox on nodes without having to open individual nodes

Known Issues:

Closing the application

- Closing the application using X or any other option (beside close project and the above escape) will ask the user to confirm that they want to close the application, if execution is running, the user will then be asked if they want to stop execution, if they say no, execution will continue but the editor will close. If the user says yes, then execution will stop gracefully (writing the results of the most recently completed test case) and QMT will close.
- Closing the application using X or any other option (beside close project and the above escape) will, if the user chooses to close the application also close the Project Home Page. The user must restart the application in order to open a different project.

Nodes

- If the formula in an Expected Condition/Expected result node starts with a space, it may be treated as a syntax error
- Scrolling screenshot may not work depending on the user's file access permissions due to an issue storing the temporary images. The work around is to use the other screenshot types.
- Screenshots behave differently on different browsers and web pages. Three screenshot types are offered so that the user can choose the screenshot that produces the best image.
- The Enable If group will allow one to reference, as the Value to Check or the Value Check, the value of a node inside the group. Such a reference should not be allowed and the option will be removed. Supplying such a reference may result in a test suite with inappropriate test coverage. Avoid referencing nodes that are contained in an Enable If group from the Enable If 's Value To Check or Value Check parameters.
- The Enable IF group will allow a Flow IF node to be passed as a node reference in its formula. This is considered an illogical configuration. Avoid referencing Flow IF nodes in Enable IF groups.

Sleep/Suspend Behaviour

- If the editor is left idle for a significant amount of time and the computer is allowed to sleep/suspend, then the editor will be slow to refresh itself when the computer is woken. It may also not respond correctly to user input. If this happens, it is best to close the application. The user may have to force quit the application via the Task Manager.
- Test execution cannot proceed while a computer sleeps or is suspended as QMT needs to access the network and interact with external websites. External websites may also time out or data transfer may be corrupted due to the sleep/suspend cycle. This is not a bug or known issue. Adjust your sleep/suspend settings so that the computer will not sleep during test execution.

Test Execution

- If the user closes the browser during test execution, QMT will hang.
- If the user clicks on the cancel execution or the x button on the execution while test execution is shutting down, the confirmation dialog box is presented, and the user will have to click OK again.
- In some cases, test execution completes and the report has been created successfully, but the console indicates that it is waiting for the report to be written. The work around is to click stop execution (or the X); if the confirmation window does not appear, then test execution has completed. If the confirmation window appears, click OK, wait a short while (it should be less than a minute) and try again.