

1)Cases selected and the reason for their selection:

1. **Add new entry:**

Represents the most basic and useful action of the program.

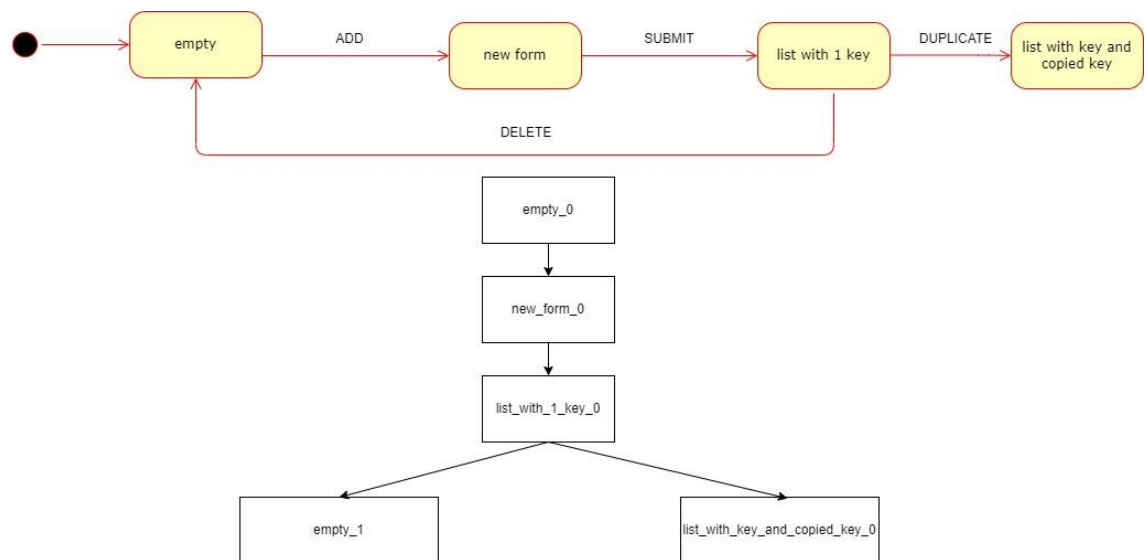
2. **Delete entry:**

Second option most used on the program.

3. **Duplicate entry:**

Here we were deciding between edit entry and duplicate entry as both could be considered also the most important feature on our program, so any of them would be important.

2)State machine, transition tree and transition table:



STATE/EVENT	ADD	SUBMIT	DUPLICATE	DELETE
EMPTY	new form			
NEW FORM		list with 1 key		
LIST WITH 1 KEY			list with key and copied key	empty
LIST WITH KEY AND KEY COPIED				

As the requirements for this assignment is that the test cases need to have at least three states we selected:

1. **Add new entry:**

empty_0 => new_form_0 => list_with_1_key_0

2. **Delete entry:**

empty_0 => new_form_0 => list_with_1_key_0 => empty_1

3. **Duplicate entry:**

empty_0 => new_form_0 => list_with_1_key_0 = list_with_key_and_copied_key_0

3) Description of test on QF-Test tool:

1. Add new entry:

The test case contains:

- a. The setup where the program is started.
- b. A sequence that clicks on the "add entry button", fill the form with the "test" text and click "ok" once finished.
- c. An assert that verifies that the entry has been added to the key list entries.
- d. A teardown that closed the program.

2. Delete entry:

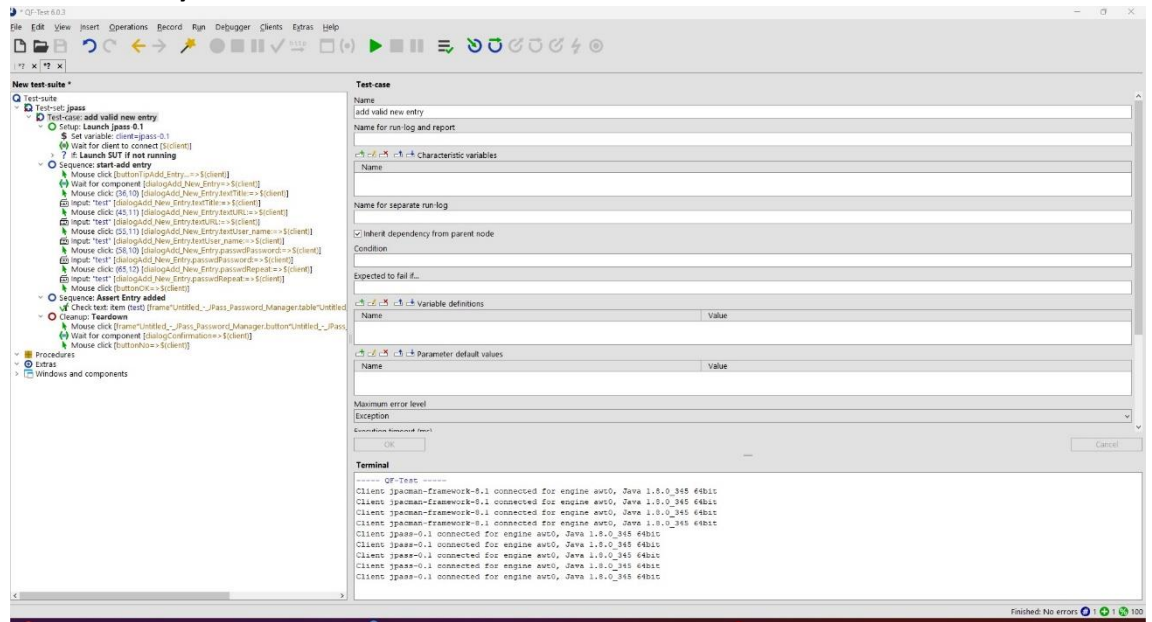
- a. The setup where the program is started.
- b. A sequence that clicks on the "add entry button", fill the form with the "test" text and click "ok" once finished.
- c. A sequence that clicks on the delete button and press "ok" once the confirmation pop up is shown
- d. An assert that verifies that the key list board is empty.
- e. A teardown that closed the program.

3. Duplicate entry:

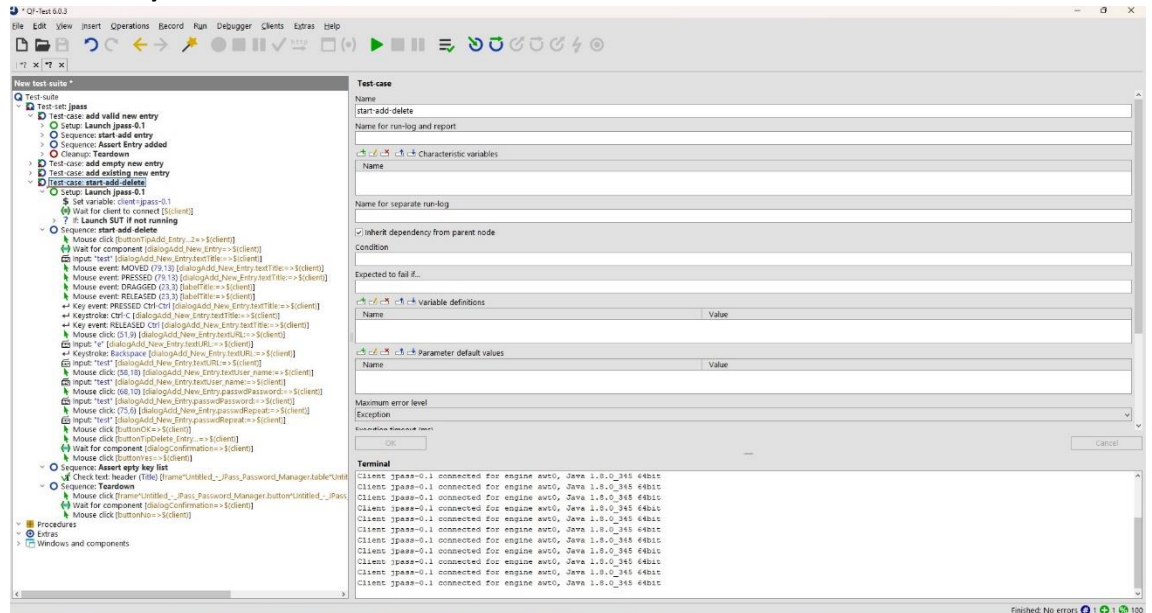
- a. The setup where the program is started.
- b. A sequence that clicks on the "add entry button", fill the form with the "test" text and click "ok" once finished.
- c. A sequence that clicks on the duplicate button and press "ok" on the form shown
- d. An assert that verifies that the key list entries contain the initial entry and the added one.
- e. A teardown that closed the program.

4)Outcome of each test:

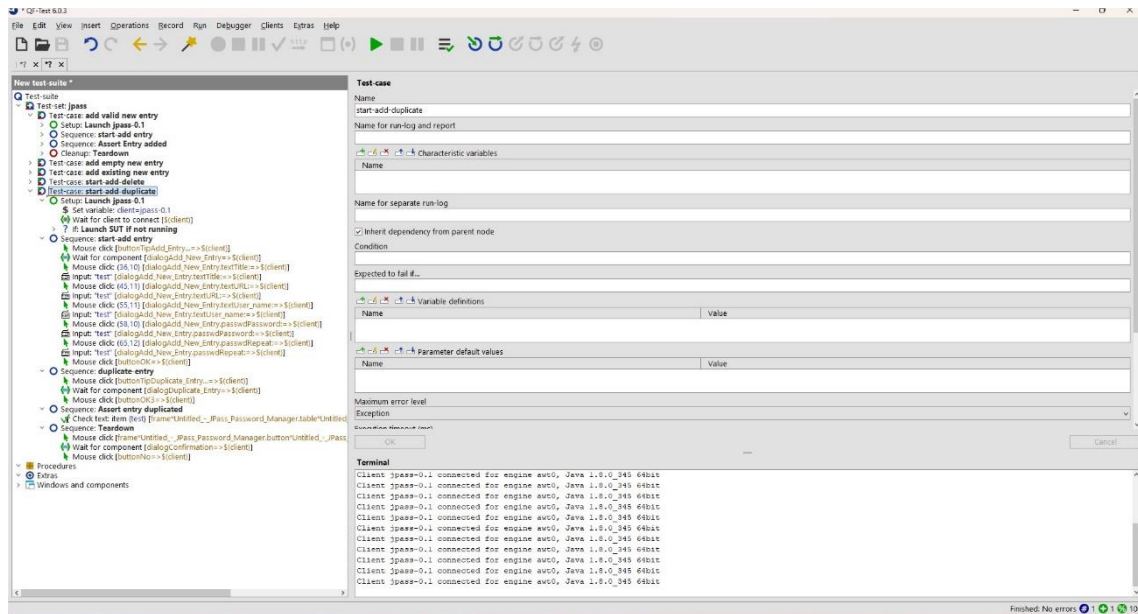
1. Add new entry:



2. Delete entry:



3. Duplicate entry:



As can be seen on the right down part on each of the test they were successful as it is what we expected.

The only time we got failures on the test was when we accidentally deleted one of the sequences that it needed.

5) Feedback/opinion on QF-Test tool:

We believe QF-Test tool is a great tool to perform User interface test as is easy to use for someone that is strting with this type of tests. We don't know many moor tools to compare if the number of functionalities against is competitors is a problem or not but one of the problems that we can mention is that it is not free, so we could use it and run our test but we couldn't save.