Basic & Advanced UFT

Lesson 8: Actions

Capgemini

Lesson Objectives

- Introduction to Actions
- Action Tree
- Creating new Actions
- Action call properties
- Inserting Calls to Existing Action
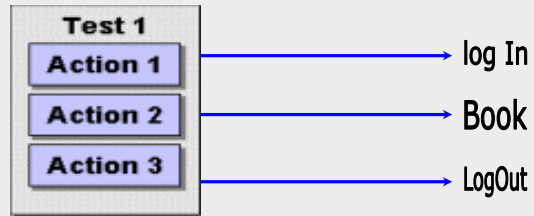- Inserting Calls to Copy of Action

Introduction to Actions

UFT is made up of logical units called actions. Actions help in making the test modular and increase the reusability of test script.

A given test can have multiple actions, with each action containing a logical sequence of steps.

Actions can be of three kinds. They are :

- Non reusable action : An action which cannot be called by other actions.

- Reusable actions : An action that can be called multiple times by the same test or any other test. By default all actions which get created are Reusable actions.

- External action : A reusable action which can be called from a different test

Actions

- Actions enable the parameterization of specific components of a test
- Two or more tests can call the same action and one action can call another action
- Complex tests may have many actions and may share actions with other tests
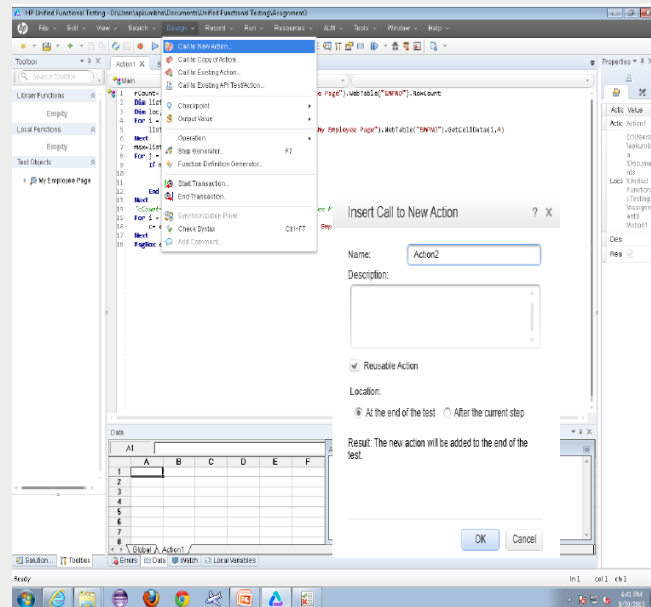
Action Tree

- The Action List enables the viewing of either the entire test flow or the action tree for a selected reusable or external action.

- The Test flow displays the overall flow of a test with all the actions in the test.

- An Action tree displays all the details of the selected reusable or external action

Creating new Actions

Select Insert->Call to New Action menu

Insert Call to New Action dialog is displayed

Enter Action name and check the checkbox in case Reusable Action needs to be created
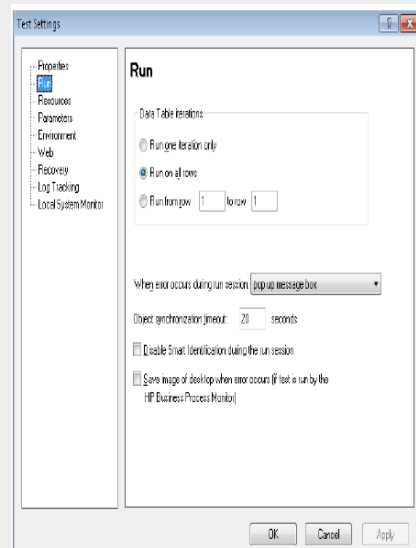
Action call properties

Action call properties determine the number of iterations the called action can perform. The properties set is applicable only to particular action call.

The options available are as follows:

Run one iteration only☐ Runs the called action only once

Run on all rows☐ Runs the called action with the number of iterations according to the number of rows in the action's Data Table.

Run from row ___ to row ___☐ Runs the called action with the number of iterations according to the specified row range.
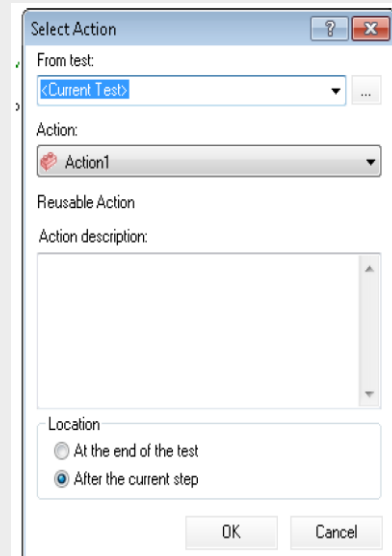
Inserting Calls to Existing Action

The Steps to call an external action are as follows :

Go to Design →Call to existing action, this opens a Select Action dialog where we can select the test from which the action needs to be called.

Once the test is selected the reusable actions available in that test are visible. Select the Action which is required.
Code in Expert View:
RunAction "Action1", oneIteration

Select Action

From test:
<Current Test>

Action:
Action1

Reusable Action

Action description:

Location
○ At the end of the test
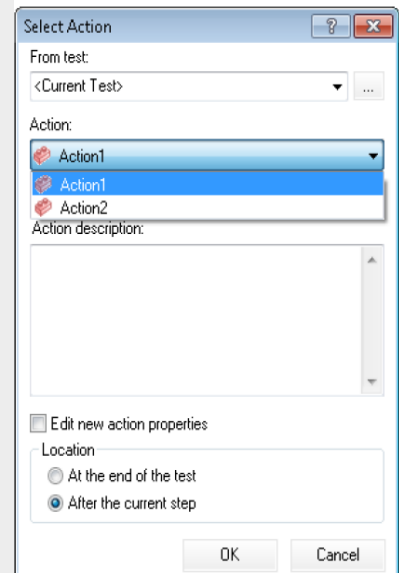◉ After the current step

OK   Cancel

Inserting Calls to Copy of Action

The following steps are used for
inserting calls to copies of Actions:

- Go to Design → Call to Copy of Action,
  this opens a selection dialog where we
  can select the test from which the action
  needs to be called.

- Once the test is selected all the actions
  available in that test are visible. Select
  the Action which is required. Choose
  where to put the action.

- The called action can be modified in the
  calling test without affecting the actual
  action.

Select Action

From test:
`<Current Test>`

Action:
Action1
- Action1
- Action2

Action description:

☐ Edit new action properties

Location
- ○ At the end of the test
- ● After the current step

OK   Cancel

Demo

- Demo on Actions – New Actions
- Demo on Actions – Reusable Actions

Summary

In this lesson, you have learnt

- Actions

  UFT is made up of logical units called actions. Actions help in making the test modular and increase the reusability of test script.

- Types of Actions

  - Non reusable action

  - Reusable actions

  - External action

- How to create, copy new actions

Summary

Add the notes here.