

LDTP Reference Manual

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1 LDTP User manual

1.1 About LDTP

Linux Desktop Testing Project (LDTP) is aimed at producing high quality test automation framework and cutting-edge tools that can be used to test Linux Desktop and improve it. It uses the Accessibility libraries to poke through the application's user interface. The framework has tools to generate Appmap by reading through the user interface components of an application. The framework also has tools to record test-cases based on user-selection on the application.

1.2 Components list

Calendar-View	Check-box	Check-menu-item	Com-bobox	General	Imaging	Label
Layered-pane	Logging	Menu-item	Panel	Process-Statistics	Pushbutton	Radiobutton
Radiomenuitem	Scrollbar	Slider	Spinbutton	Tabcontrol	Table	Text
Toggle-button	Toolbar	Treetable	Window			

2 LDTP Page Index

2.1 LDTP Related Pages

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3 LDTP Page Documentation

3.1 Calendar View

3.1.1 About Calendar View

To operate on a calendar view object and based on your requirement, you can use any of these functions

3.1.2 Calendar View python API's

[openevent](#)

[selectevent](#)

[selecteventindex](#)

[verifyeventexist](#)

3.2 Checkbox functions

3.2.1 About Checkbox functions

To operate on a check box object and based on your requirement, you can use any of these functions

3.2.2 Checkbox python API's

[check](#)

[click](#)

[uncheck](#)

[verifycheck](#)

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3.3 Checkmenuitem functions

3.3.1 About Checkmenuitem functions

To operate on a check menuitem object and based on your requirement, you can use any of these functions

3.3.2 Checkmenuitem python API's

[check](#)

[click](#)

[uncheck](#)

[verifycheck](#)

[verifyuncheck](#)

[verifymenucheck](#)

3.4 Combobox functions

3.4.1 About Combobox functions

To operate on a combobox object and based on your requirement, you can use any of these functions

3.4.2 Combobox python API's

[capturetofile](#)

[click](#)
[comboselect](#)
[hidelist](#)
[selectindex](#)
[selectpartialmatch](#)
[settextvalue](#)
[showlist](#)
[verifydropdown](#)
[verifyhidelist](#)
[verifyselect](#)
[verifysettext](#)
[verifyshowlist](#)

3.5 General functions

3.5.1 About General functions

General ldtp functions. Based on your requirement, you can use any of these functions

3.5.2 General python API's

[guiexist](#)
[getobjectinfo](#)
[getobjectlist](#)
[getobjectproperty](#)
[getwindowlist](#)
[initappmap](#)
[launchapp](#)
[processrunning](#)
[reinitldtp](#)
[releasecontext](#)
[remap](#)
[setcontext](#)
[wait](#)
[waittillguiexist](#)
[waittillguinotexist](#)

3.6 Imaging functions

3.6.1 About Imaging functions

To manipulate with image processing and based on your requirement, you can use any of these functions

3.6.2 Imaging python API's

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[imagecapture](#)

[imagecompare](#)

3.7 Label functions

3.7.1 About Label functions

To operate on a label object and based on your requirement, you can use any of these functions

3.7.2 Label python API's

[getlabel](#)

3.8 Layeredpane functions

3.8.1 About Layeredpane functions

To operate on a layered pane object and based on your requirement, you can use any of these functions

3.8.2 Layeredpane python API's

[rightclick](#)

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3.9 Logging functions

3.9.1 About Logging functions

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3.9.2 Logging python API's

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3.10 Menuitem functions

3.10.1 About Menuitem functions

To operate on a menuitem object and based on your requirement, you can use any of these functions

3.10.2 Menuitem python API's

[doesmenuitemexist](#)

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[selectmenuitem](#)

3.11 Panel functions

3.11.1 About Panel functions

To operate on a panel object and based on your requirement, you can use any of these functions

3.11.2 Panel python API's

[selectpanel](#)

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3.12 Process Statistics functions

3.12.1 About Process Statistics functions

To monitor the CPU and memory utilization you can use this class

3.12.2 Process Statistics python API's

[Classpstats](#)

3.13 Pushbutton functions

3.13.1 About Pushbutton functions

To operate on a push button object and based on your requirement, you can use any of these functions

3.13.2 Pushbutton python API's

[click](#)

[stateenabled](#)

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3.14 Radiobutton functions

3.14.1 About Radiobutton functions

To operate on a radio button object and based on your requirement, you can use any of these functions

3.14.2 Radiobutton python API's

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3.15 Radiomenuitem functions

3.15.1 About Radiomenuitem functions

To operate on a radio menuitem object and based on your requirement, you can use any of these functions

3.15.2 Radiomenuitem python API's

[click](#)

[check](#)

[selectmenuitem](#)

[verifycheck](#)

[verifyuncheck](#)

3.16 Scrollbar functions

3.16.1 About Scrollbar functions

To operate on a scrollbar object and based on your requirement, you can use any of these functions

3.16.2 Scrollbar python API's

[onedown](#)

[oneleft](#)

[oneright](#)

[oneup](#)

[scrolldown](#)

[scrollleft](#)

[scrollright](#)

[scrollup](#)

[verifyscrollbar](#)

[verifyscrollbarhorizontal](#)

[verifyscrollbarvertical](#)

3.17 Slider functions

3.17.1 About Slider functions

To operate on a slider object and based on your requirement, you can use any of these functions

3.17.2 Slider python API's

[decrease](#)

[increase](#)

[setmax](#)

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[verifyslider](#)

[verifysliderhorizontal](#)

[verifyslidervERTICAL](#)

3.18 Spinbutton functions

3.18.1 About Spinbutton functions

To operate on a spin button object and based on your requirement, you can use any of these functions

3.18.2 Spinbutton python API's

[getvalue](#)

[setvalue](#)

[verifysetvalue](#)

3.19 Tabcontrol functions

3.19.1 About Tabcontrol functions

To operate on a page tab object and based on your requirement, you can use any of these functions

3.19.2 Tabcontrol python API's

[selecttab](#)

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3.20 Table functions

3.20.1 About Table functions

To operate on a table object and based on your requirement, you can use any of these functions

3.20.2 Table python API's

[activatetablerow](#)

[checkrow](#)

[doesrowexist](#)

[doubleclickrow](#)

[getcellvalue](#)

[getrowcount](#)

[gettablerowindex](#)

[selectlastrow](#)
[selectrow](#)
[selectrowindex](#)
[selectrowpartialmatch](#)
[settablecelldata](#)
[uncheckrow](#)
[verifycellvalue](#)
[verifypartialcellvalue](#)

3.21 Text functions

3.21.1 About Text functions

To operate on a text object and based on your requirement, you can use any of these functions

3.21.2 Text python API's

[activatetext](#)
[appendtext](#)
[copytext](#)
[cuttext](#)
[deletetext](#)
[getcharactercount](#)
[gettextvalue](#)
[grabfocus](#)
[inserttext](#)
[pastetext](#)
[settextvalue](#)
[verifypartialmatch](#)
[verifysettext](#)

3.22 Togglebutton functions

3.22.1 About Togglebutton functions

To operate on a toggle object and based on your requirement, you can use any of these functions

3.22.2 Togglebutton python API's

[click](#)

[verifyclick](#)

3.23 Toolbar functions

3.23.1 About Toolbar functions

To operate on a toolbar object and based on your requirement, you can use any of these functions

3.23.2 Toolbar python API's

[verifybuttoncount](#)

[verifyvisiblebuttoncount](#)

3.24 Treetable functions

3.24.1 About Treetable functions

To operate on a tree table object and based on your requirement, you can use any of these functions

3.24.2 Treetable python API's

[checkrow](#)

[doesrowexist](#)

[getcellvalue](#)

[getrowcount](#)

[gettreetablerowindex](#)

[selectlastrow](#)

[selectrow](#)

[selectrowindex](#)

[selectrowpartialmatch](#)

[sortcolumn](#)

[sortcolumnindex](#)

[uncheckrow](#)

[verifycellvalue](#)

[verifypartialcellvalue](#)

3.25 Window functions

3.25.1 About Window functions

To operate on an object / window in which accessibility is not enabled

3.25.2 Window python API's

[activatewin](#)

[activatewinpartialname](#)

[closeappwindow](#)

[getactivewin](#)

[partialexists](#)

[typekey](#)

[waitwinname](#)

[waitwinpartialname](#)

[windowexists](#)

3.26 initappmap

3.26.1 Syntax

`initappmap ('<application map name>')`

3.26.2 Description

Application map will be loaded

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>,
<http://cvs.freedesktop.org/ldtp/pyldtp/appmap.c>

3.26.3 Example

```
from ldtp import *  
initappmap ('nautilus.map')
```

Author:

Nagappan <nagappan@gmail.com>

3.27 `guiexist`

3.27.1 Syntax

`guiexist ('<window name>')`

3.27.2 Description

If the given window name exist, this function returns 1. If window doesnot exist, then this function returns 0.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.27.3 Implementation

Return values:

1 on success and 0 on no existing window

3.27.4 Example

`guiexist ('dlgOpen')`

Author:

Nagappan <nagappan@gmail.com>

3.28 `waittillguiexist`

3.28.1 Syntax

`waittillguiexist ('<window name>')`

3.28.2 Description

If the given window name exist, this function returns 1. If window doesnot exist, then this function returns 0. Difference between [guiexist](#) and `waitguiexist` is, `waitguiexist` waits for maximum 30 seconds. Still the window doesn't appear, then 0 is returned. We can set the environment variable 'GUI_TIMEOUT' to change the default waiting time.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.28.3 Implementation

returns 1 on success and 0 on no existing window

3.28.4 Example

```
waittillguiexist ('dlgOpen')
```

This function will be useful, when some event is fired and after that if a new window is expected, we can use this function to wait for window to appear.

Author:

Nagappan <nagappan@gmail.com>

3.29 waittillguinotexist

3.29.1 Syntax

```
waittillguinotexist ('<window name>')
```

3.29.2 Description

If the given window name does not exist, this function returns 1. If window exist, then this function returns 0. Difference between [guiexist](#) and [waitguinotexist](#) is, [waitguinotexist](#) waits for maximum 30 seconds. Still the window does not disappear, then 0 is returned. We can set the environment variable 'GUI_TIMEOUT' to change the default waiting time.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.29.3 Implementation

returns 1 on success and 0 on no existing window

3.29.4 Example

```
waittillguinotexist ('dlgOpen')
```

This function will be useful, when some event is fired and after that if an existing window should close, we can use this function to wait till the window closes.

Author:

Nagappan <nagappan@gmail.com>

3.30 log

3.30.1 Syntax

```
log ('<Message to be logged>', '<tag>')
```

where tag can be any of these

3.30.1.1 debug messages can be logged while executing in debug mode

3.30.1.2 warning warning message can be logged

3.30.1.3 teststart tag used to indicate the beginning of the test suite

3.30.1.4 testend tag used to indicate the end of the test suite

3.30.1.5 begin tag used to indicate the beginning of test case

3.30.1.6 end tag used at the end of the test case

3.30.1.7 error error messages can be logged with this message

3.30.1.8 pass message will be logged on successful execution of the testcases

3.30.1.9 fail message will be logged on if execution of testcases fail

Note:

Messges for the Tags teststart and testend should not contain spaces in between

begin and end: These keywords are to be used with the same logging message and at beginning and end of testscripts

teststart and testend: These keywords are to be used with the same logging message and at the beginning and end of testcases

3.30.2 Description

Logs the message in the log.xml with the tag which can be viewed after the execution of scripts

3.30.3 Implementation

The required message will be logged into the log.xml on execution of scripts

Return values:

1 on success and 0 on error

3.30.4 Example

With Respect to Evolution:

```
1) log ('EvolutionSuite', 'begin')
```

```
execfile ('evolution.py')
```

```
log ('EvolutionSuite', 'end')
```

2) With respect to Appointment-to check the checkbox,

In Try Block:

```
selecttab('dlgAppointment-NoSummary', 'ptlAppointment-Nosummary', '1')
```

```
log ('Selecttab-In-Appointment', 'pass')
```

In except block:

```
print "Error"
```

```
log ('Selecttab','fail')
```

3) With respect to creation of vFolders

```
log ('Creation-of-vFolders', 'teststart')
```

```
Create_folder()
```

```
log ('Creation-of-vFolders', 'testend')
```

4) Log message showing success of some test case

```
from ldtp import *
```

You can log the message to start the test case before writing the test case as

```
log ('Open a file', 'teststart')
```

```
log ('opening a file', 'pass')
```

Author:

Nagashree <mnagashree@novell.com>

3.31 reinitldtp

3.31.1 Syntax

Todo

3.31.2 Description

Todo

3.31.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.31.4 Example

Todo

Author:

Nagappan <nagappan@gmail.com>

3.32 regwincallback

3.32.1 Syntax

Todo

3.32.2 Description

Todo

3.32.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.32.4 Example

Todo

Author:

Nagappan <nagappan@gmail.com>

3.33 unregwincallback

3.33.1 Syntax

Todo

3.33.2 Description

Todo

3.33.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.33.4 Example

Todo

Author:

Nagappan <nagappan@gmail.com>

3.34 check

3.34.1 Syntax

check ('<window name>', '<component name>')

3.34.2 Description

Check (tick) the check box state.

3.34.3 Implementation

Return values:

1 if state is checked, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_box.c

3.34.4 Example

```
from ldtp import *  
For check menu item with respect to gedit menu  
check ('gedit', 'mnuOutputWindow')  
For check menu item with respect to gedit menu  
check ('gedit', 'mnuToolbar')  
For check box with respect to gedit preferences  
check ('dlgPreferences', 'cboxEnableAutoIndentation')
```

Author:

Nagappan <nagappan@gmail.com>
Khasim Shaheed <khasim.shaheed@gmail.com>

3.35 uncheck

3.35.1 Syntax

```
uncheck ('<window name>', '<component name>')
```

3.35.2 Description

Uncheck (un-tick) the check state.

3.35.3 Implementation

Return values:

1 if state is unchecked, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_box.c

3.35.4 Example

```
from ldtp import *  
To uncheck menu item with respect to gedit menu  
uncheck ('gedit', 'mnuOutputWindow')  
For check menu item with respect to gedit menu  
uncheck ('gedit', 'mnuToolbar')  
To uncheck box with respect to gedit preferences  
uncheck ('dlgPreferences', 'cboxEnableAutoIndentation')
```

Author:

Nagappan <nagappan@gmail.com>

3.36 click

3.36.1 Syntax

click ('<window name>', '<component name>')

3.36.2 Description

click on radio button / check box / push button/ combo box/ radio menu item/ toggle button/ radio button.

3.36.3 Implementation

3.36.3.1 Radio Button If radio button is already in checked state, then this function will uncheck (unset) it.

If radio button is already in unchecked state, then this function will check (set) it.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/radio_button.c

3.36.3.2 Check Box If check box is already in checked state, then this function will uncheck (unset) it.

If check box is already in unchecked state, then this function will check (set) it.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_box.c

3.36.3.3 Push Button If push button state is enabled, then click on the object.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/push_button.c

3.36.3.4 Toggle Button Click on the toggle button.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/toggle_button.c

3.36.3.5 Combo Box Clicks on combo box, drop down list of combo box will be visible if not already else drop down list of combo box closes.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.36.4 Examples

Example for push button (With respect to gedit open dialog)

click ('dlgOpen', 'btnOpen')

For Check box, Check menu item, on doing this action, the state will be toggled.

For Radio button, Radio menu item, if they are not already selected, they are selected, otherwise silently ignored.

Author:

Nagappan <nagappan@gmail.com>

3.37 verifycheck

3.37.1 Syntax

verifycheck ('<window name>', '<component name>')

3.37.2 Description

Checks the state of check box

3.37.3 Implementation

If check box state is checked, then returns 1, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_box.c

3.37.4 Examples

```
from ldtp import *
```

For check menu item with respect to gedit menu

```
verifycheck ('gedit', 'mnuView;mnOutputWindow')
```

For check box with respect to gedit preferences

```
verifycheck ('dlgPreferences', 'cboxEnableAutoIndentation')
```

Author:

Nagappan <nagappan@gmail.com>

Aishwariya <aishwariyabhavan@yahoo.com>

Khasim Shaheed <khasim.shaheed@gmail.com>

3.38 verifyuncheck

3.38.1 Syntax

verifyuncheck ('<window name>', '<component name>')

3.38.2 Description

Checks the state of check box.

3.38.3 Implementation

If check box state is un-checked, then returns 1, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_box.c

3.38.4 Examples

```
from ldtp import *
```

To verify uncheck menu item with respect to gedit menu

```
verifyuncheck ('gedit', 'mnuView;mnOutputWindow')
```

To verify uncheck box with respect to gedit preferences

```
verifyuncheck ('dlgPreferences', 'cboxEnableAutoIndentation')
```

Author:

Nagappan <nagappan@gmail.com>

Khasim Shaheed <khasim.shaheed@gmail.com>

3.39 verifymenucheck

3.39.1 Syntax

Todo

3.39.2 Description

Todo

3.39.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/check_menu_item.c

3.39.4 Example

Todo

Author:

Nagappan <nagappan@gmail.com>

3.40 hidelist

3.40.1 Syntax

hidelist ('<dlgName>', '<cmbName>')

3.40.2 Description

Hides combo box drop down list in the current dialog. Suppose in previous operation one testcase has clicked on combo box, its drop down list will be displayed. If further no any operation has been done on that combo box then to close that drop down list 'HideList' action is required

3.40.3 Implementation

Combo box will generally have a list as its child or a menu as its child. So this function gets object handle of list object, checks if list of combo box is visible, if yes then just click on combo box, click operation will close drop down list of combo box.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.40.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.41 comboselect

3.41.1 Syntax

combselect ('<window name>', '<component name>', '<menu item name>')

3.41.2 Description

Select a menu item or list item in a combo box

3.41.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.41.4 Example

In gnome-search-tool combo box 'Available options' to select the menu item 'Contains the text'

```
comboselect ('SearchForFiles', 'cmbAvailableoptions', 'Contains the text')
```

or

```
comboselect ('SearchForFiles', 'cmbAvailableoptions', 'Containsthetext')
```

Author:

Poornima <pnayak@novell.com>

3.42 selectindex

3.42.1 Syntax

```
selectindex ('<dlgName>', '<cmbName>', <index>)
```

3.42.2 Description

SelectIndex action will select an item from combo box where value of index is pointing to its position in list/menu.

3.42.3 Implementation

Combo box will generally have a list as its child or a menu as its child. SelectIndex function will try to find whether child type is menu or list, if child type is list then there will be a text box associated with combo box. When child type is list, selects item at index value from list box and sets that value to the text box associated with combo box. If child type is menu, value specified in the argument will be index of menu item, corresponding menu item will be selected.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.42.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.43 settextvalue

3.43.1 Syntax

settextvalue ('<window name>', '<component name>', '<text>')

3.43.2 Description

puts the text into the component given by the component name

3.43.3 Implementation

In text.c

Return values:

1 on success and 0 otherwise

In combo_box.c

Combo box will be associated with child of type 'Text' when one of its child is 'List'. This action gets object handle of 'Text' object associated with combo box and then sets value given in argument in that text box

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>
http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.43.4 Example

With respect to gnome search tool structure

settextvalue ('SearchforFiles', 'txtNameContainsEntry', 'abcd')

This is to insert the text 'abcd' into the 'txtNameContainsEntry' field.

In combo box:

Todo

settextvalue ('<dlgName>', '<cmbName>', '<argument>')

Author:

Poornima <pnayak@novell.com>

3.44 appendtext

3.44.1 Syntax

appendtext ('<window name>', '<component name>', '<text>')

3.44.2 Description

Appends the given text with already present text

3.44.3 Implementation

Return values:

I on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.44.4 Example

With respect to gedit structure

```
appendtext('gedit','txtmain','Sample text')
```

This to append 'Sample text' to the 'main' text box contents in gedit

Author:

Shagan <shagan.glare@gmail.com>

3.45 `activatetext`

3.45.1 Syntax

```
activatetext ('<window name>', '<component name>')
```

3.45.2 Description

activates the text box (similar to press enter after setting text)

3.45.3 Implementation

Return values:

I on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.45.4 Example

With respect to gftp-gtk structure

```
activatetext ('gFTP', 'txtUser')
```

This is to activate the text box 'txtUser' in gftp-gtk

Author:

Shagan <shagan.glare@gmail.com>

3.46 `getcharactercount`**3.46.1 Syntax**

`getcharactercount ('<window name>', '<component name>')`

3.46.2 Description

Return the number of characters present in the component identified by the <component name>.

3.46.3 Implementation**Return values:**

number of characters

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.46.4 Example

With respect to gedit

`getcharactercount ('gedit', 'txt0')`

This will return the number of characters in the file presently open.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.47 `cuttext`**3.47.1 Syntax**

`cuttext ('<window name>', '<component name>', <startindex>, <endindex>)`

3.47.2 Description

Cut the text from startindex till the endindex in the component given by the component name

3.47.3 Implementation

Return values:

1 on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.47.4 Example

With respect to gedit tool structure

```
cuttext ('gedit', 'txtName', 1, 3)
```

This is to cut the text from the startindex position till the endindex in the 'txtName' field.

Author:

Kamakshi <poorvakrishna@yahoo.com>

3.48 copytext

3.48.1 Syntax

```
copytext ('<window name>', '<component name>', <startoffset>, <endoffset>)
```

3.48.2 Description

Copies text within specified offset present in the specified <component> into clipboard

3.48.3 Implementation

Return values:

1 on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.48.4 Example

With respect to gedit tool structure

```
copytext ('gedit', 'txt0', 5,10)
```

This is to copy the text within the offset specified from the 'txt0' field into clipboard.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.49 inserttext

3.49.1 Syntax

Insert ('<window name>', '<component name>', <position>, '<text>')

3.49.2 Description

Insert the text in the specified position in the component given by the component name

3.49.3 Implementation

Return values:

1 on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.49.4 Example

With respect to gedit

```
inserttext ('gedit', 'txt0', 5, 'sample text')
```

This is to insert the given text at the specified position in the 'txtName' field.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.49.5 Syntax

inserttext ('<window name>', '<component name>', <position>, '<text>')

3.49.6 Description

Insert the text in the specified position in the component given by the component name

3.49.7 Implementation

Return values:

returns 1 on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.49.8 Example

With respect to gedit

```
inserttext ('gedit', 'txt0', 5, 'sample text')
```

This is to insert the given text at the specified position in the 'txtName' field.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.50 pastetext

3.50.1 Syntax

```
pastetext ('<window name>', '<component name>', <position>)
```

3.50.2 Description

paste the text from the position specified in the component given by the component name

3.50.3 Implementation

Return values:

I on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.50.4 Example

With respect to gedit tool structure

```
pastetext ('gedit', 'txtName', 1)
```

This is to paste the text from the position specified in the 'txtName' field.

Author:

Kamakshi <poorvakrishna@yahoo.com>

3.51 deletetext

3.51.1 Syntax

```
deletetext ('<window name>', '<component name>', <startindex>, <endindex>)
```

3.51.2 Description

delete the text from the startindex till the endindex in the component given by the component name

3.51.3 Implementation

Return values:

1 on success and 0 otherwise

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.51.4 Example

With respect to gedit tool structure

`deletetext ('gedit', 'txtName', 1, 3)`

This is to delete the text from the startindex to endindex specified in the 'txtName' field.

Author:

Kamakshi <poorvakrishna@yahoo.com>

3.52 showlist

3.52.1 Syntax

`showlist ('<dlgName>', '<cmbName>')`

3.52.2 Description

Displays combo box drop down list in the current dialog.

3.52.3 Implementation

Combo box will generally have a list as its child or a menu as its child. So this function gets object handle of list object, checks if list of combo box is visible, if not then just click on combo box, click operation will display drop down list of combo box.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.52.4 Example

Todo**Author:**

Poornima <pnayak@novell.com>

3.53 verifydropdown

3.53.1 Syntax

Todo

3.53.2 Description

Todo

3.53.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.53.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.54 verifyhidelist

3.54.1 Syntax

verifyhidelist ('<dlgName>', '<cmbName>')

3.54.2 Description

Verifies if combo box drop down list in the current dialog is not visible.

3.54.3 Implementation

Combo box will generally have a list as its child or a menu as its child. So this function gets object handle of list or menu object, checks if list or menu items of combo box is visible, if yes then return minus one else returns zero.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.54.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.55 verifyshowlist

3.55.1 Syntax

verifyshowlist ('<dlgName>', '<cmbName>')

3.55.2 Description

Verifies if combo box drop down list in the current dialog is visible.

3.55.3 Implementation

Combo box will generally have a list as its child or a menu as its child. So this function gets object handle of list or menu object, checks if list or menu items of combo box is visible, if yes then return zero else minus one.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.55.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.56 verifyselect

3.56.1 Syntax

verifyselect ('<dlgName>', '<cmbName>', <argument>')

3.56.2 Description

VerifySelect action will verify if combo box is set to value given in argument.

3.56.3 Implementation

VerifySelect function will try to find if text box associated with combo box is set to value specified in the argument.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.56.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.57 verifysettext

3.57.1 Syntax

verifysettext ('<window name>', '<component name>', '<text>')

3.57.2 Description

checks if the text is inserted into the component given by the component name

3.57.3 Implementation

Return values:

1 if the text is inserted into the specified component else returns 0

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.57.4 Example

With respect to gnome search tool structure

verifysettext ('SearchforFiles', 'txtNameContainsEntry', 'abcd')

This is to verify if the previous settextvalue function has inserted 'abcd' into the txt-NameContainsEntry field in the gnome search tool

Author:

Poornima <pnayak@novell.com>

3.58 rightclick

3.58.1 Syntax

Todo

3.58.2 Description

Todo

3.58.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c
http://cvs.freedesktop.org/ldtp/pyldtp/layered_pane.c

3.58.4 Example

Todo

Author:

Thanikachalam S <thanika1999@yahoo.com>

Poornima <pnayak@novell.com>

Premkumar J <prem.jothimani@gmail.com>

3.59 getlabel

3.59.1 Syntax

Todo

3.59.2 Description

Todo

3.59.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/label.c>

3.59.4 Example

Todo

Author:

Thanikachalam S <thanika1999@yahoo.com>

3.60 selectitem

3.60.1 Syntax

Todo

3.60.2 Description

Todo

3.60.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/layered_pane.c

3.60.4 Example

Todo

Author:

Thanikachalam S <thanika1999@yahoo.com>

3.61 selecttextitem

3.61.1 Syntax

Todo

3.61.2 Description

[Todo](#)

3.61.3 Implementation

[Todo](#)

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c
<http://cvs.freedesktop.org/ldtp/pyldtp/list.c>

3.61.4 Example

[Todo](#)

Author:

Poornima Nayak <pnayak@novell.com>

3.62 selectmenuitem

3.62.1 Syntax

`selectmenuitem ('<window name>', '<menu hierarchy>')`

3.62.2 Description

Selects the menu item specified.

3.62.3 Implementation

[Todo](#)

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/menu.c>
http://cvs.freedesktop.org/ldtp/pyldtp/check_menu_item.c http://cvs.freedesktop.org/ldtp/pyldtp/menu_item.c
http://cvs.freedesktop.org/ldtp/pyldtp/radio_menu_item.c

3.62.4 Example

With respect to gedit menu structure

`selectmenuitem ('gedit', 'mnuFile;mnuNew')`

Author:

Nagappan A <nagappan@gmail.com>

Thanikachalam S <thanika1999@yahoo.com>

3.63 selecttab**3.63.1 Syntax**`selecttab ('<windwo name>', '<tab list name>', '<tab name>')`**3.63.2 Description**

Select the given tab name in the tab list

3.63.3 Implementation**Return values:**

1 if the tab is selected,

Exceptions:

otherwise `ldtp.error` will be thrown

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/page_tab_list.c

3.63.4 Example

```
from ldtp import *
```

For selecting Editor tab with respect to gedit preferences

```
selecttab ('dlgPreferences', 'ptlPreferences', 'Editor')
```

Author:

Thanikachalam S <thanika1999@yahoo.com>

3.64 selecttabindex**3.64.1 Syntax**`selecttabindex ('<windwo name>', '<tab list name>', <index of the tab>)`**3.64.2 Description**

Select a particular tab in the list of tabs

3.64.3 Implementation

Return values:

1 if the tab is selected,

Exceptions:

otherwise ldtplib.error will be thrown

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/page_tab_list.c

3.64.4 Example

```
from ldtp import *
```

For selecting Editor tab with respect to gedit preferences

```
selecttabindex ('dlgPreferences', 'ptlPreferences', 1)
```

Note:

0 based index

Author:

Nagappan A <nagappan@gmail.com>

3.65 verifypushbutton

3.65.1 Syntax

```
verifypushbutton ('<window name>', '<component name>')
```

3.65.2 Description

Verify whether the given object is push button or not.

3.65.3 Implementation

Returns 1 if object is push button, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/push_button.c

3.65.4 Example

With respect to gedit open dialog window, verify open button is push button or not.

```
verifypushbutton ('dlgOpenFile', 'btnOpen')
```

Author:

Nagappan A <nagappan@gmail.com>

3.66 stateenabled

3.66.1 Syntax

stateenabled ('<window name>', '<component name>')

3.66.2 Description

Checks the radio button object state enabled or not

3.66.3 Implementation

Returns 1 if state is enabled, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/push_button.c
http://cvs.freedesktop.org/ldtp/pyldtp/radio_button.c

3.66.4 Example

Push button: With respect to gedit open dialog, this function checks open button state enabled or not

stateenabled ('dlgOpenFile', 'btnOpen')

Todo

Radiobutton

Author:

Nagappan A <nagappan@gmail.com>

3.67 setvalue

3.67.1 Syntax

setvalue ('<window name>', '<spinbutton name>', '<value>')

3.67.2 Description

Sets the value of the spin button.

3.67.3 Implementation

Return values:

1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/spin_button.c

3.67.4 Example

Creation of Appointment in Evolution:

```
setvalue ('dlgAppointment-Nosummary', 'sbtnOccurence', '2')
```

Author:

Thanikachalam S <thanika1999@yahoo.com>

3.68 `getvalue`

3.68.1 Syntax

```
getvalue ('<window name>', '<spinbutton name>', '<value>')
```

3.68.2 Description

Gets the value in the spin button.

3.68.3 Implementation

Return values:

value in the spin button on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/spin_button.c

3.68.4 Example

Creation of Appointment in Evolution:

```
getvalue ('dlgAppointment-Nosummary', 'sbtnOccurence')
```

Author:

Thanikachalam S <thanika1999@yahoo.com>

3.69 `verifysetvalue`

3.69.1 Syntax

```
verifysetvalue ('<window name>', '<spinbutton name>', '<value>')
```

3.69.2 Description

Verifies the value set in spin button.

3.69.3 Implementation

Return values:

1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/spin_button.c

3.69.4 Example

In the Creation of Appointment:

```
verifyssetValue ('dlgAppointment-Nosummary','sbtnOccurence','2')
```

Author:

sheetal <svnayak18@yahoo.com>

3.70 selectrow

3.70.1 Syntax

```
selectrow ('<window name>', '<table name>', '<value of row in first column>')
```

3.70.2 Description

Selects the row in table whose first column's (0th column) value is same as the contents of the third argument in the function call.

3.70.3 Implementation

Return values:

1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.70.4 Example

```
from ldtp import *
```

With respect to gedit open dialog

```
selectrow ('dlgOpen', 'dlgFiles', 'readme')
```

Author:

Nagappan A <nagappan@gmail.com>

3.71 selectrowindex

3.71.1 Syntax

selectrowindex ('<window name>', '<table name>', <row index>)

3.71.2 Description

Selects the row with the given index value in table. Index value starts from 0.

3.71.3 Implementation

Return values:

I on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.71.4 Example

```
from ldtp import *
```

With respect to gedit open dialog

```
selectrowindex ('dlgOpen', 'dlgFiles', 0)
```

Author:

Nagappan A <nagappan@gmail.com>

3.72 selectrowpartialmatch

3.72.1 Syntax

selectrowpartialmatch ('<window name>', '<tree table name>',
'<texttobesearchedfor>')

3.72.2 Description

selects the row having cell that contains the given text.

3.72.3 Implementation

Return values:

I on success and throws an exception on error

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.72.4 Example

With respect to evolution

```
selectrowpartialmatch ('evolution', 'tblMailFolder','Inbox')
```

The 'Inbox' folder's name changes depending on the number of unread mails. In such cases we can use the above method to select the 'Inbox' folder.

Author:

Nagashree <mnagashree@novell.com>

3.73 verifytogglebutton

3.73.1 Syntax

Todo

3.73.2 Description

Todo

3.73.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/toggle_button.c

3.73.4 Example

Todo

Author:

Poornima Nayak <pnayak@novell.com>

3.74 onedown

3.74.1 Syntax

```
onedown ('<window name>', '<scroll component name>', <number of iterations>)
```

3.74.2 Description

Move the scroll bar down 'n' times, where 'n' is the number of iterations specified in the argument field.

3.74.3 Implementation

Scrolls down if value does not exceed the maximum limit, else fails.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.74.4 Example

```
from ldtp import *  
For scroll bar item with respect to gedit  
onedown ('gedit', 'scrollBar', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.75 oneleft

3.75.1 Syntax

oneleft ('<window name>', '<scroll component name>', <number of iterations>)

3.75.2 Description

Move the (horizontal) scroll bar left 'n' times, where 'n' is the number of iterations specified in the argument field.

3.75.3 Implementation

Scrolls left if value does not drop below the minimum limit, else fails.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.75.4 Example

```
from ldtp import *  
For scroll bar item with respect to gedit  
oneleft ('gedit', 'scrollBar', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.76 oneright

3.76.1 Syntax

oneright ('<window name>', '<scroll component name>', <number of iterations>)

3.76.2 Description

Move the (horizontal) scroll bar right 'n' times, where 'n' is the number of iterations specified in the argument field.

3.76.3 Implementation

Scrolls right if value does not exceed the maximum limit, else fails.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.76.4 Example

```
from ldtp import *
```

For scroll bar item with respect to gedit

```
oneright ('gedit', 'scrollBar', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.77 oneup

3.77.1 Syntax

oneup ('<window name>', '<scroll component name>', <number of iterations>)

3.77.2 Description

Move the (vertical) scroll bar up 'n' times, where 'n' is the number of iterations specified in the argument field.

3.77.3 Implementation

Scrolls up if value does not drop below the minimum limit, else fails.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.77.4 Example

```
from ldtplib import *  
For scroll bar item with respect to gedit  
oneup ('gedit', 'scrollBar', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.78 scrolldown

3.78.1 Syntax

```
scrolldown ('<window name>', '<scroll component name>')
```

3.78.2 Description

Move the (vertical) scroll bar to the bottom.

3.78.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.78.4 Example

```
from ldtplib import *  
For scroll bar item with respect to gedit  
scrolldown ('gedit', 'scrollBar')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.79 scrollleft

3.79.1 Syntax

```
scrollleft ('<window name>', '<scroll component name>')
```

3.79.2 Description

Move the (horizontal) scroll bar to the extreme left.

3.79.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.79.4 Example

```
from ldtp import *  
For scroll bar item with respect to gedit  
scrolleft ('gedit', 'scrollBar')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.80 scrollright

3.80.1 Syntax

```
scrollright ('<window name>', '<scroll component name>')
```

3.80.2 Description

Move the (horizontal) scroll bar to the extreme right.

3.80.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.80.4 Example

```
from ldtp import *  
For scroll bar item with respect to gedit  
scrollright ('gedit', 'scrollBar')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.81 scrollup

3.81.1 Syntax

scrollup ('<window name>', '<scroll component name>')

3.81.2 Description

Move the (vertical) scroll bar to the extreme top.

3.81.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.81.4 Example

```
from ldtp import *
```

For scroll bar item with respect to gedit

```
scrollup ('gedit', 'scrollBar')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.82 setmax

3.82.1 Syntax

setmax ('<window name>', '<slider name>')

3.82.2 Description

Set the slider to the maximum value.

3.82.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.82.4 Example

```
from ldtp import *  
For slider component with respect to gnome-terminal  
setmax ('dlgEditingProfile"Default"', 'slider')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.83 setmin

3.83.1 Syntax

```
setmin ('<window name>', '<slider name>')
```

3.83.2 Description

Set the slider to the minimum value.

3.83.3 Implementation

Return values:

1 if action is performed, else 0.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.83.4 Example

```
from ldtp import *  
For slider component with respect to gnome-terminal  
setmin ('dlgEditingProfile"Default"', 'slider')
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.84 getslidervalue

3.84.1 Syntax

Todo

3.84.2 Description

Todo

3.84.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.84.4 Example

Todo

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.85 increase

3.85.1 Syntax

increase ('<window name>', '<slider name>', <number of iterations>)

3.85.2 Description

Increase the value of the slider 'n' times, where 'n' is the number of iterations specified in the argument field.

3.85.3 Implementation

Increases the value if it does not exceed the maximum limit, else fails.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.85.4 Example

```
from ldtp import *
```

For slider component with respect to gnome-terminal

```
increase ('dlgEditingProfile"Default"', 'slider', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.86 decrease

3.86.1 Syntax

decrease ('<window name>', '<slider name>', <number of iterations>)

3.86.2 Description

Decrease the value of the slider 'n' times, where 'n' is the number of iterations specified in the argument field.

3.86.3 Implementation

Decreases the value if it does not fall below the minimum limit, else fails.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.86.4 Example

```
from ldtp import *
```

For slider component with respect to gnome-terminal

```
decrease ('dlgEditingProfile"Default"', 'slider', 3)
```

Author:

Aishwariya & Kamakshi <poorvaishoo@yahoo.com>

3.87 selectpanel

3.87.1 Syntax

selectpanel ('<window name>', '<component name>', <panel number>)

3.87.2 Description

Select a panel using the panel number in a list of panels

3.87.3 Implementation

Return values:

1 on success and 0 on error

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/panel.c>

3.87.4 Example

```
from ldtplib import *  
With respect to Contacts  
selectpanel ('Evolution-Contacts', 'pnlAddbook', 1)
```

Author:

Poornima Nayak <pnayak@novell.com>

3.88 verifytablecell

3.88.1 Syntax

```
verifytablecell ('<window name>', '<table name>', '<row no>', '<column no>',  
'<string to be compared>')
```

3.88.2 Description

Verifies the tablecell value with the String Passed ie., fifth argument

3.88.3 Implementation

Return values:

1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.88.4 Example

```
from ldtplib import *  
With respect to Evolution, open message  
verifytablecell ('frmReadOnlyMail', 'tblcheck', 1, 1, 'xyz@yahoo.com')
```

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.89 settablecell

3.89.1 Syntax

Todo

3.89.2 Description

Todo

3.89.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.89.4 Example

Todo

Author:

Nagappan A <nagappan@gmail.com>

3.90 selectlastrow

3.90.1 Syntax

selectlastrow ('<window name>', '<table name>')

3.90.2 Description

Selects the last row of a table.

3.90.3 Implementation

Returns 1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.90.4 Example

from ldtp import *

With respect to Contact List Members dialog of Contact List Editor

selectlastrow ('dlgContactListMembers', 'tblContacts')

Author:

Nagappan <nagappan@gmail.com>

3.91 setcontext

3.91.1 Syntax

setcontext ('<previous title name>', '<new title name>')

3.91.2 Description

LDTP selects window (frame / dialog / alert / font chooser) based on the title name.

3.91.3 Implementation

set the context to new title name. Changes are done in is_matching function in gui.c

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.91.4 Example

In some applications the window title changes based on the operation we are doing. For example, when we browse any URL in Firefox browser, the title bar changes. Once title bar changed, then we can change the context using this function.

setcontext ('Mozilla Firefox', 'NOVELL: Novell and Linux - Mozilla Firefox')

Author:

Nagappan A <nagappan@gmail.com>

3.92 releasecontext

3.92.1 Syntax

releasecontext ()

3.92.2 Description

Release the last context set.

3.92.3 Implementation

Release the existing (last) context set using [setcontext](#) function.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.92.4 Example

In some applications the window title changes based on the operation we are doing. For example, when we browse any URL in Firefox browser, the title bar changes. Once title bar changed, then we can change the context using this function.

releasecontext ()

Author:

Nagappan A <nagappan@gmail.com>

3.93 selectevent

3.93.1 Syntax

selectevent ('<window name>', '<Calendar_view name>', '<calendar event summary>')

3.93.2 Description

Selects the row from the table of calendar events based on the calendar event name specified

3.93.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/calendar_view.c

3.93.4 Example

In Evolution Calendars,for selecting an appointment-(calendar event) present in the table

```
from ldtp import *
```

```
selectevent ('Evolution-Calendars', 'calview', 'abc')
```

Author:

Poornima <pnayak@novell.com>

3.94 selecteventindex

3.94.1 Syntax

selecteventindex ('<window name>', '<component name>', <event number>)

3.94.2 Description

Select an event from a calendar table using its index. Index for a calendar event starts from 1.

3.94.3 Implementation

Return values:

Returns 1 on success and 0 on error

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/calendar_view.c

3.94.4 Example

```
from ldtp import *
```

With respect to Evolution-Calendars

```
selecteventindex ('Evolution-Calendars', 'calview', 1)
```

Author:

Poornima <pnayak@novell.com>

3.95 openevent

3.95.1 Syntax

Todo

3.95.2 Description

Todo

3.95.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/calendar_view.c

3.95.4 Example

Todo

Author:

Poornima <pnayak@novell.com>

3.96 doesrowexist

3.96.1 Syntax

doesrowexist ('<window name>', '<table name>', '<string to be matched>', no of matches)

3.96.2 Description

Checks whether the table contains any row with any of its cell containing the given string as its value. Please note that it checks for an exact match.

3.96.3 Implementation

Return values:

Returns 1 if there are rows with the given string in any of its cell else 0.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.96.4 Example

```
from ldtp import *
```

With respect to the message list table in Evolution Mailer, the following call will return 1 if there is atleast one mail in the list with the given string in the subject field or sender field or in any other field for that matter.

```
doesrowexist ('dlgContactListMembers', 'tblContacts', 'Sample subject')
```

Author:

Manu <manunature@rediffmail.com>

3.97 checkrow

3.97.1 Syntax

checkrow ('<window name>', '<table name>', <row index>, <col index>)

3.97.2 Description

checks the row with the given index value in table. This can take an optional column index and perform the action on that particular column. If the column index is not given, 0 is taken as the default value. Index value starts from 0.

3.97.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.97.4 Example

```
from ldtp import *
```

With respect to Categories in Appointment in Evolution

```
checkrow('dlgCategories','tblcategories',3)
```

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.98 uncheckrow

3.98.1 Syntax

```
uncheckrow ('<window name>', '<table name>', <row index>, <col index>)
```

3.98.2 Description

unchecks the row with the given index value in table. This can take an optional column index and perform the action on that particular column. If the column index is not given, 0 is taken as the default value. Index value starts from 0.

3.98.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.98.4 Example

```
from ldtp import *
```

With respect to Categories in Appointment in Evolution
uncheckrow('dlgCategories','tblcategories',3)

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.99 sortcolumn**3.99.1 Syntax**

[Todo](#)

3.99.2 Description

[Todo](#)

3.99.3 Implementation

[Todo](#)

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.99.4 Example

[Todo](#)

Author:**3.100 sortcolumnindex****3.100.1 Syntax**

[Todo](#)

3.100.2 Description

[Todo](#)

3.100.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.100.4 Example

Todo

Author:

3.101 verifypartialmatch

3.101.1 Syntax

verifypartialmatch ('<window name>', '<textbox name>', '<substring>')

3.101.2 Description

Verifies the textbox with the partial string

3.101.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.101.4 Example

```
from ldtp import *
```

With respect to Evolution, to verify textbox with partial string

```
verifypartialmatch ('frmComposeamessage', 'txtto', 'nove')
```

Author:

Bhargavi <kbhargavi_83yahoo.co.in>

3.102 getrowcount

3.102.1 Syntax

getrowcount ('<window name>', '<table name>')

3.102.2 Description

Returns the number of rows present in the table mentioned

3.102.3 Implementation

Returns the number of rows present in the table mentioned

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.102.4 Example

```
from ldtp import *
```

With respect to Evolution, to check no of mails

```
getrowcount ('frmReadOnlyMail', 'tblmails')
```

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.103 verifypartialtablecell

3.103.1 Syntax

verifypartialtablecell ('<window name>', '<table name>', '<row no>', '<column no>', '<sub string to be compared>')

3.103.2 Description

Verifies the tablecell value with the sub String Passed ie., fifth argument

3.103.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.103.4 Example

```
from ldtp import *
```

With respect to Evolution, open message

```
verifypartialtablecell ('frmReadOnlyMail', 'tblcheck', 1, 1, 'xyz')
```

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.104 grabfocus**3.104.1 Syntax**

grabfocus ('<window name>', '<component name>')

3.104.2 Description

gives focus to the specified component. in case of a text box the cursor is placed in it.

3.104.3 Implementation**Return values:**

returns 1 on success and 0 otherwise

3.104.4 Example

With respect to gnome search tool structure

settextvalue ('SearchforFiles', 'txtNameContainsEntry')

This places the cursor in the 'txtNameContainsEntry' field.

3.105 selectpanelname**3.105.1 Syntax**

selectpanelname ('<window name>', '<component name>', <panel name>)

3.105.2 Description

Select a panel using the panel name in a list of panels

3.105.3 Implementation**Return values:**

Returns 1 on success and 0 on error

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/panel.c>

3.105.4 Example

```
from ldtplib import *  
With respect to Contacts  
selectpanelname ('Evolution-Contacts', 'pnlAddbook', 'ldtp')
```

Author:

Khasim Shaheed <khasim.shaheed@gmail.com>

3.106 verifyeventexist

3.106.1 Syntax

```
verifyeventexist ('<window name>', '<component name>')
```

3.106.2 Description

verifies whether any events are present in a calendar table

3.106.3 Implementation

Return values:

Returns 1 on success and 0 on no events

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/calendar_view.c

3.106.4 Example

```
from ldtplib import *  
With respect to Evolution-Calendars  
verifyeventexist ('Evolution-Calendars', 'calview')
```

Author:

Manu <manunature@rediffmail.com>

3.107 expandtablecell

3.107.1 Syntax

Todo

3.107.2 Description

Todo

3.107.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.107.4 Example

Todo

Author:

3.108 `gettreetablerowindex`

3.108.1 Syntax

`gettreetablerowindex (<window name>, <tree table name>, <name of a table cell>)`

3.108.2 Description

Used to obtain the index of any table cell whose name is given in the last field.

3.108.3 Implementation

Return values:

Returns the index of the specified table cell if it is present in the tree table mentioned. Otherwise returns -1.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.108.4 Example

```
from ldtp import *
```

With respect to the tree table in Mail in Evolution

```
i = gettreetablerowindex ('Evolution', 'treetblMail', 'Cabinet')
```

here 'i' will be having the index of the Cabinet which is a table cell under tree table mail.

Author:

Aginesh <sraginesh@novell.com>

3.109 gettablerowindex

3.109.1 Syntax

```
gettablerowindex ( '<window name>', '<component name>', '<tablename>', '<cellvalue>' )
```

3.109.2 Description

Returns the id of the row containing the given <cellvalue>

3.109.3 Implementation

Return values:

Return id of the row containing the given cell value, if it is found else return -1

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.109.4 Example

In case of Evolution Calendar, to select the category form the list of categories

```
gettablerowindex ('dlgMeeting', 'dlgCategories', 'tblCategoryList', 'Business')
```

The above call would return the row id of the cell containing Business.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.110 comboselectindex

3.110.1 Syntax

Todo

3.110.2 Description

Todo

3.110.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.110.4 Example

Todo

Author:

3.111 verifyvisiblebuttoncount**3.111.1 Syntax**

Todo

3.111.2 Description

Todo

3.111.3 Implementation

Todo

3.111.4 Example

Todo

Author:

3.112 verifybuttoncount**3.112.1 Syntax**

Todo

3.112.2 Description

[Todo](#)

3.112.3 Implementation

[Todo](#)

3.112.4 Example

[Todo](#)

Author:

3.113 geteventcount

3.113.1 Syntax

[Todo](#)

3.113.2 Description

[Todo](#)

3.113.3 Implementation

[Todo](#)

3.113.4 Example

[Todo](#)

Author:

3.114 gettextvalue

3.114.1 Syntax

gettextvalue ('<window name>', '<component name>', <startoffset>, <endoffset>)

3.114.2 Description

returns the text within the given range in the component given by the component name. <startoffset> and <endoffset> are optional. If they are omitted, the entire text is returned.

3.114.3 Implementation

returns the string

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.114.4 Example

With respect to gnome search tool structure

```
gettextvalue ('SearchforFiles', 'txtNameContainsEntry')
```

The above statement will return the text present in 'txtNameContainsEntry' field.

```
gettextvalue ('SearchforFiles', 'txtNameContainsEntry', 5)
```

The above statement will return the text present in 'txtNameContainsEntry' field starting from the fifth character.

```
gettextvalue ('SearchforFiles', 'txtNameContainsEntry', 5, 10)
```

The above statement will return the text present in 'txtNameContainsEntry' field starting from the fifth character

till the tenth character.

Author:

Premkumar J <prem.jothimani@gmail.com>

3.115 getcellvalue

3.115.1 Syntax

getcellvalue ('<window name>', '<component name>', '<row>', '<column>')

3.115.2 Description

returns the text in a cell at given row and column of a tree table

3.115.3 Implementation

returns the string

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c> Refer:
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.115.4 Example

With respect to Evolution Messages tree table

gettextvalue ('Evolution-Mail', 'treetblMails', 2, 4)

This will return the subject of 3rd message in the message list.

Author:

Khasim Shaheed <khasim.shaheed@gmail.com>

Premkumar J <prem.jothimani@gmail.com>

3.116 capturetofile

3.116.1 Syntax

Todo

3.116.2 Description

Todo

3.116.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.116.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.117 gettextproperty

3.117.1 Syntax

Todo

3.117.2 Description

Todo

3.117.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.117.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.118 comparetextproperty

3.118.1 Syntax

Todo

3.118.2 Description

Todo

3.118.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.118.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.119 containstextproperty**3.119.1 Syntax**

Todo

3.119.2 Description

Todo

3.119.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/text.c>

3.119.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.120 selectcalendardate**3.120.1 Syntax**

Todo

3.120.2 Description

Todo

3.120.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/calendar.c>

3.120.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.121 remap

3.121.1 Syntax

remap ('<application-name>', '<dialog name>')

undoremap ('<application-name>', '<dialog name>')

3.121.2 Description

We can handle dynamically created widgets (meaning widgets created at run time) using this remap function. Calling remap will generate appmap for the given dialog at run time and update the hash table. Then we can access the new widgets. But please make sure to call undoremap() once the required functions are performed so that the hash table will be reverted back to its original state. The reason for having undoremap() is that subsequent calls to remap() might corrupt the hash table containing the appmap entries.

Please note that the <application-name> should be same as the one given as the command-line argument for appmap generation.

3.121.3 Implementation

It uses the same logic that appmap module uses to generate appmap. Please refer to the following link for the source code of the remap functionality

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/remap.c>

3.121.4 Example

For handling widgets created at runtime in the New Appointment creation dialog in Evolution Calendar we can use the remap function as mentioned below.

```
remap ('evolution', 'dlgAppointment-Nosummary')  
..  
undoremap ('evolution', 'dlgAppointment-Nosummary')
```

Author:

Premkumar J <prem.jothimani@gmail.com>

3.122 `getwindowlist`**3.122.1 Syntax**

[Todo](#)

3.122.2 Description

[Todo](#)

3.122.3 Implementation

[Todo](#)

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.122.4 Example

[Todo](#)

Author:

Premkumar J <prem.jothimani@gmail.com>

3.123 `getobjectlist`**3.123.1 Syntax**

[Todo](#)

3.123.2 Description

[Todo](#)

3.123.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.123.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.124 getobjectinfo

3.124.1 Syntax

Todo

3.124.2 Description

Todo

3.124.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.124.4 Example

Todo

Author:

3.125 getobjectproperty**3.125.1 Syntax**

Todo

3.125.2 Description

Todo

3.125.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtp.c>

3.125.4 Example

Todo

Author:

3.126 selectpartialmatch**3.126.1 Syntax**

Todo

3.126.2 Description

Todo

3.126.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/combo_box.c

3.126.4 Example

[Todo](#)

Author:

3.127 doubleclickrow

3.127.1 Syntax

doubleclickrow ('<window name>', '<table name>', '<value of row in first column>')

3.127.2 Description

Double clicks the row in table whose first column's (0th column) value is same as the contents of the third argument in the function call.

3.127.3 Implementation

Returns 1 on success and 0 on error.

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.127.4 Example

[Todo](#)

Author:

Premkumar J <prem.jothimani@gmail.com>

3.128 activatetabletrow

3.128.1 Syntax

[Todo](#)

3.128.2 Description

[Todo](#)

3.128.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.128.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.129 settablecelldata**3.129.1 Syntax**

Todo

3.129.2 Description

Todo

3.129.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c>

3.129.4 Example

Todo

Author:

Premkumar J <prem.jothimani@gmail.com>

3.130 verifycellvalue

3.130.1 Syntax

verifytablecell ('<window name>', '<table name>', '<row no>', '<column no>', '<string to be compared>')

3.130.2 Description

Verifies the tablecell value with the String Passed ie., fifth argument

3.130.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c> Refer:
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.130.4 Example

```
from ldtp import *
```

With respect to Evolution, open message

```
verifytablecell ('frmReadOnlyMail', 'tblcheck', 1, 1, 'xyz@yahoo.com')
```

Author:

Bhargavi <kbhargavi_83@yahoo.co.in>

3.131 verifypartialcellvalue

3.131.1 Syntax

verifypartialtablecell ('<window name>', '<table name>', '<row no>', '<column no>', '<sub string to be compared>')

3.131.2 Description

Verifies the tablecell value with the sub String Passed ie., fifth argument

3.131.3 Implementation

Return values:

Returns 1 on success and 0 on error.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/table.c> Refer:
http://cvs.freedesktop.org/ldtp/pyldtp/tree_table.c

3.131.4 Example

```
from ldtp import *
```

With respect to Evolution, open message

```
verifypartialtablecell ('frmReadOnlyMail', 'tblcheck', 1, 1, 'xyz')
```

Author:

3.132 verifyclick

3.132.1 Syntax

Todo

3.132.2 Description

Todo

3.132.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/toggle_button.c

3.132.4 Example

Todo

Author:

3.133 listsubmenus

3.133.1 Syntax

Todo

3.133.2 **Description**

Todo

3.133.3 **Implementation**

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/menu_item.c

3.133.4 **Example**

Todo

Author:

3.134 **verifyscrollbar****3.134.1** **Syntax**

Todo

3.134.2 **Description**

Todo

3.134.3 **Implementation**

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.134.4 **Example**

Todo

Author:

3.135 verifyscrollbarhorizontal**3.135.1 Syntax**

Todo

3.135.2 Description

Todo

3.135.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.135.4 Example

Todo

Author:

3.136 verifyscrollbarvertical**3.136.1 Syntax**

Todo

3.136.2 Description

Todo

3.136.3 Implementation

Todo

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/scroll_bar.c

3.136.4 Example

[Todo](#)

Author:

3.137 verifyslider

3.137.1 Syntax

[Todo](#)

3.137.2 Description

[Todo](#)

3.137.3 Implementation

[Todo](#)

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.137.4 Example

[Todo](#)

Author:

3.138 verifysliderhorizontal

3.138.1 Syntax

[Todo](#)

3.138.2 Description

[Todo](#)

3.138.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.138.4 Example

Todo

Author:

3.139 verifyslidervERTICAL**3.139.1 Syntax**

Todo

3.139.2 Description

Todo

3.139.3 Implementation

Todo

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/slider.c>

3.139.4 Example

Todo

Author:

3.140 doesmenuitemexist**3.140.1 Syntax**

doesmenuitemexist ('<window name>', '<menu hierarchy>')

3.140.2 Description

checks if the specified menuitem specified in the menu hierarchy is present or not

3.140.3 Implementation

Return values:

Returns 1 if the menuitem is present and 0 otherwise

Refer: http://cvs.freedesktop.org/ldtp/pyldtp/menu_item.c

3.140.4 Example

With respect to gedit menu structure

```
doeselectmenuitem ('gedit', 'mnuFile;mnuNew')
```

this function is required mainly to check those menuitems which will not be present always. An example of this kind of a menuitem is the close tab menu item under menu file in firefox web browser.

Author:

prem.jothimani@gmail.com

3.141 startlog

3.141.1 Syntax

```
startlog ('<log file name>', [0 or 1])
```

second argument is optional and 0 is default value

0 - Append log to an existing file

1 - Write log to a new file. If file already exist, then erase existing file content and start log

3.141.2 Description

Start logging on the specified file

3.141.3 Implementation

Log file will be created if log file is not present in any case. If second argument is 1, then existing file content will be erased. If second argument is 0, then new logs will be append to existing log.

Return values:

I on Success and 0 on error

3.141.4 Example

If we want to overwrite existing log file or create new log file:

```
startlog ('evolution.xml', 1)
```

If we want to append existing log file or create new log file:

```
startlog ('evolution.xml', 0)
```

or

```
startlog ('evolution.xml')
```

Author:

Nagappan <nagappan@gmail.com>

3.142 stoplog

3.142.1 Syntax

```
stoplog ()
```

3.142.2 Description

Stop logging

3.142.3 Implementation

If a log file has been previously opened for logging, that file pointer will be closed. So that the new logging will not be appened to the log file.

3.142.4 Example

```
stoplog ()
```

Author:

Nagappan <nagappan@gmail.com>

3.143 imagecapture

3.143.1 Syntax

```
imagecapture (<window name>, <output file>, (opt)<resolution-x>,  
(opt)<resolution-y>, (opt)startx, (opt)starty)
```

3.143.2 Description

Capture snap-shot of the window. Where startx & starty are offset

3.143.3 Implementation

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.143.4 Example

```
imagecapture ('Terminal', 'out.png')
```

Note:

Window title name is case sensitive

3.143.5 Dependency

Digwin binary - <http://sourceforge.net/projects/ltfx>

Python Imaging Library - <http://www.pythonware.com/products/pil/>

Author:

Nagashree <mnagashree@novell.com>

3.144 imagecompare

3.144.1 Syntax

```
imagecompare (imgfile1, imgfile2)
```

3.144.2 Description

Compares two images and returns difference of them in percentage

3.144.3 Implementation

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.144.4 Example

```
imagecompare ('in.jpg', 'out.jpg')
```

3.144.5 Dependency

Python Imaging Library - <http://www.pythonware.com/products/pil/>

Author:

Veerapuram Varadhan <v.varadhan@gmail.com>

3.145 blackoutregion

3.145.1 Syntax

blackoutregion (infile, outfile, topx, topy, botx, boty)

3.145.2 Description

Blacks out the region in the image given by

top-coords - topx, topy bottom-coords - botx, boty
of the region

3.145.3 Implementation

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.145.4 Example

blackoutregion ('in.jpg', 'out.jpg', 100, 100, 200, 200)

3.145.5 Dependency

Python Imaging Library - <http://www.pythonware.com/products/pil/>

Author:

Shankar Ganesh <shagan.glare@gmail.com>

3.146 Class pstats

3.146.1 Syntax

<Object> = pstats(<application name>, <time interval>)

<Object>.start()

<Object>.stop()

3.146.2 Description

This process when run gathers the Memory usage and CPU utilization of all the processes of a particular application at specific time interval.

3.146.3 Implementation

When this functionality is to be used in a python test script you need to create a new object for pstats class.

The arguments passed while instantiating this class are Application name and Time interval.

As soon as the <Object>.start() method is called in the test script, memory usage and CPU utilization of the application start getting logged into the ldtp log file.

When <Object>.stop is called the thread gathering the information stops.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.146.4 Example

If I want the resource usage of all processes related to evolution to be logged every 2 seconds, the following statements need to be incorporated in the test script

```
xstats = pstats ('evolution', 2)
xstats.start ()
<Test Script>
xstats.stop()
```

3.146.5 Dependency

This functionality depends on the pystatgrab (<http://www.i-scream.org/pystatgrab/>) package. Make sure you have it installed before using this memory and CPU utilization gathering function in your ldtp test scripts.

Author:

Subodh Soni <subodhsoni@gmail.com>

3.147 closeappwindow

3.147.1 Syntax

closeappwindow ('<Window title name>')

3.147.2 Description

Close application window based on Window title. Returns 1 if success and 0 if unable to close the specified application window.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.147.3 Example

```
closeappwindow ('Bug Buddy')
```

Note:

Window title name should be case sensitive

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.148 wait

3.148.1 Syntax

```
wait (<number of seconds to suspend current execution>)
```

3.148.2 Description

Suspend execution for the specified time period.

Note:

Time in seconds.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.148.3 Example

To suspend the current sequence of execution for 5 seconds

```
wait (5)
```

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.149 launchapp

3.149.1 Syntax

launchapp ('<application binary name>', [use additional environment variables for accessibility])

second argument is optional and its default argument is 0. If second argument is passed as 1, then GTK_MODULES and GNOME_ACCESSIBILITY will be added to the environment variable

3.149.2 Description

Application name specified as an argument will be launched.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.149.3 Example

Launch file-roller application.

launchapp (file-roller)

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.150 processrunning

3.150.1 Syntax

processrunning ('<process name>')

3.150.2 Description

If the given process name is running, then return 1 else run 0.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.150.3 Example

processrunning ('gnome-terminal')

Note:

process name should be the same name as the name you see, when you run 'ps ax' command from terminal

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.151 getactivewin**3.151.1 Syntax**

getactivewin ()

3.151.2 Description**Return values:***The* active window title string.Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>**3.151.3 Example**

title = getactivewin ()

print 'Current active window title - ' + title

Gets the current active window title (window that is currently in focus).

3.151.4 Dependencyltx binary - <http://sourceforge.net/projects/ltx>**Author:**

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.152 windowexists**3.152.1 Syntax**

windowexists ('<window name>')

3.152.2 Description

Check window name exists with the given name.

Return values:*1* if window exist and 0 otherwise.Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.152.3 Example

windowexists ('Mozilla Firefox')

3.152.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.153 **partialexists**

3.153.1 Syntax

partialexists ('<window name>')

3.153.2 Description

Check window name partially matches with the given name.

Return values:

1 if window exist and 0 otherwise.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.153.3 Example

partialexists ('Firefox')

3.153.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.154 **activatewinpartialname**

3.154.1 Syntax

activatewinpartialname ('<window name>')

3.154.2 Description

Activate window based on the given name that matches partially.

Return values:

1 if window exist and 0 otherwise.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.154.3 Example

activatewinpartialname ('Firefox')

3.154.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.155 typekey

3.155.1 Syntax

typekey ('<string to be typed>')

3.155.2 Description

On the current focus area, the string given as argument will be typed.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.155.3 Implementation

Return values:

1 if window exist and 0 otherwise.

This function supports

<alt> - for alt key

<ctrl> - for control key

<shift> - for pressing shift key

<enter> - for pressing enter key

<tab> - for pressing tab key

 - for pressing del key
<bksp> - for pressing back space key
<f1> - for pressing F1 function key
...
<f12> - for pressing F1 function key
<up> - for pressing up arrow key
<down> - for pressing down arrow key
<right> - for pressing right arrow key
<left> - for pressing left arrow key
<esc> - for pressing escape key
<space> - for pressing space bar
<home> - for pressing home key
<end> - for pressing end key
<pageup> - for pressing page up key
<pagedown> - for pressing page down key

3.155.4 Example

typekey ('<tab>testing LDTP using ltfx<enter>')

Initially a tab key will be pressed and then text will be typed and then enter key will be pressed

3.155.5 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.156 activatewin

3.156.1 Syntax

activatewin ('<window name>')

3.156.2 Description

Activate window based on the given name.

Return values:

I if window exist and 0 otherwise.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.156.3 Example

activatewin ('Mozilla Firefox')

3.156.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.157 waitwinname**3.157.1 Syntax**

waitwinname ('<window name>')

3.157.2 Description

Wait for window with the given name to appear.

Return values:

I if window exist and 0 otherwise.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.157.3 Example

waitwinname ('Mozilla Firefox')

3.157.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

Shankar Ganesh <shagan.glare@gmail.com>

3.158 waitwinpartialname

3.158.1 Syntax

waitwinpartialname ('<window name>')

3.158.2 Description

Wait for window with the given name partially matches to appear.

Return values:

1 if window exist and 0 otherwise.

Refer: <http://cvs.freedesktop.org/ldtp/pyldtp/ldtputils.py>

3.158.3 Example

waitwinpartialname ('Firefox')

3.158.4 Dependency

ltfx binary - <http://sourceforge.net/projects/ltfx>

Author:

Nagappan <nagappan@gmail.com>

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