

Test case creation Modes:

3 ways to create automation test

1. Record and playback
 - Can quickly record your test cases
 - Captures actions +objects
 - Can update/edit the recorded steps
 - Can replay on any available browsers
2. Manual mode (add keywords steps wise)
 - You can manually add the actions and keywords into your test cases
 - Add keywords and actions stepwise
 - Can refer captured objects
 - Can drag and drop keywords directly
 - Can replay on any available browsers
3. Script mode
 - Capture the objects with spy web
 - Test creation through scripting
 - Script your test cases using java or groovy
 - Can drag and drop objects directly
 - Can replay on any available browsers

All the 3 modes can be used to add/edit test case and prepare final automation test

- To start you can first start with Recording your test
- Then go to manual mode and update/edit as required
- Script mode may be needed for customized actions
- Replay your created test

Record and playback:

- Create new project
- Create new test case

Manual mode:

1. Capture objects to be used
2. Create test in manual mode
3. Run the test

Script mode:

Sample script:

Link: <https://katalon-demo-cura.herokuapp.com/>

// Open the browser and give the URL

```
WebUI.openBrowser("https://katalon-demo-cura.herokuapp.com/")
```

```

// Maximize window

WebUI.maximizeWindow()
//Click on Make an appointment object

WebUI.click(findTestObject('Object Repository/cura/Page_CURA Healthcare
Service/a_Make Appointment'))

//set the username
WebUI.setText(findTestObject('Object Repository/cura/Page_CURA Healthcare
Service/input_Username_username'), 'John Doe')

// set the password
WebUI.setText(findTestObject('Object Repository/cura/Page_CURA Healthcare
Service/input_Password_password'), 'ThisIsNotAPassword')

//click on Login button
WebUI.click(findTestObject('Object Repository/cura/Page_CURA Healthcare
Service/button_Login'))

// verify Make appointment element present
WebUI.verifyElementPresent(findTestObject('Object Repository/cura/Page_CURA
Healthcare Service/div_Make Appointment'), 0)

//close the browser

WebUI.closeBrowser()

```

Built-in keywords of katalon:

- There are methods, these methods are called as keywords in katalon so we can click, drag and drop and modify its properties
- Keywords to handle browser , text box, Dropdown, checkbox, radio button , window and iframes

Browser Related methods:

- WebUI.OpenBrowser()
- webUI.navigateToUrl()
- WebUI.maximizeWindow()
- WebUI.forward()
- WebUI.backword()
- WebUI.refresh()
- WebUI.Closebrowser()
- WebUI.Click()
- WebUI.getUrl()
- WebUI.getWindowTitle()
- WebUI.getWindowIndex()
- switchToWindowIndex()
- getPageHeight()
- WebUI.doubleClick()
-

SearchField: You can input/give some text value by using the `setText()` method

- `WebUI.setText()` : is of three categories
- `WebUI.setEncryptedText()`
- If password is not encrypted, To encrypt the password

Goto help → encrypt text → give raw text →

- `WebUI.setMaskedText(findTestObject, null)` → used when you have given date format as dd/mm/yy in searchtextfiled...than that format is displayed on searchfiled

Combo /dropdown:

- `SelectOptionByIndex()`
- `SelectOptionByValue()`
- `SelectOptionByLabel()`

Checkbox/radio button:

`Check()`
`Uncheck()`

<https://demo.guru99.com/test/newtours/>

<https://www.kotak.com/en/home.html>

<https://www.quora.com/profile/Abhishek-Tr>

Script:

```
// Built -in-Keywords -Demo
```

```
WebUI.openBrowser('')
```

```
WebUI.navigateToUrl("https://demo.guru99.com/test/newtours/")
```

```
// maximize window Press Ctrl+ space bar -To list all built in keywords
```

```
WebUI.maximizeWindow()
```

```
// to capture ur URL
```

```
String url= WebUI.getUrl()
```

```
System.out.println(url)
```

```
// window number
```

```
System.out.println(WebUI.getWindowIndex())
```

```
// display title of the window
```

```
System.out.println(WebUI.getWindowTitle())
```

```
WebUI.delay(6)
```

```

WebUI.navigateToUrl("https://www.kotak.com/en/home.html")

WebUI.delay(5)

// Take bace to newtour demo (previous window)
WebUI.back()

WebUI.delay(5)

WebUI.forward()

WebUI.delay(5)

// get the url of kotak
System.out.println( WebUI.getUrl())
int windowno= WebUI.getWindowIndex()
System.out.println(windowno)
System.out.println(WebUI.getWindowTitle())

WebUI.navigateToUrl("https://www.quora.com/profile/Abhishek-Tr")

System.out.println( WebUI.getUrl())
int windowno1= WebUI.getWindowIndex()
System.out.println(windowno1)
System.out.println(WebUI.getWindowTitle())

WebUI.delay(5)

WebUI.click(findTestObject('Object Repository/Quora_OR/Page_Abhishek Tr -
Quora/span_Abhishek Tr'))

WebUI.switchToWindowIndex(1)

System.out.println(WebUI.getWindowIndex())

WebUI.switchToWindowIndex(0)

WebUI.delay(5)
WebUI.back()

WebUI.delay(5)

// landed on mercury tour
WebUI.back()

// build logic to validate mercury tour Login
// capture the objects (with spy web)
// steps

// open browser
//give the url : https://demo.guru99.com/test/newtours/
//Enter use name

```

```
// enter password
//click on submit button
//verify the login successful element is present or not

// close browser
WebUI.closeBrowser()
```