**Framework**: Keyword driven framework

**Coding language**: Python Selenium

**Features included:**

|  |  |  |
| --- | --- | --- |
| **Keyword** | **Function name** | **Comments** |
| navigate | navigate | Open browser and navigate to site |
| input | sendkeys | Enter text in a text box |
| click | elementClick | Click on a UI component |
| select\_radio | select\_radio | Select radio button |
| select\_checkbox | select\_checkbox | Select checkbox |
| select\_dropdown | select\_dropdown | Select dropdown value |
| wait | wait | Wait for specified mins |
| waitFor | waitforelement | Wait for an web element |
| snapshot | capturescreen | Take screenshot |
| scroll | webscroll | Scroll web page |
| unselect\_checkbox | unselect\_checkbox | Uncheck checkbox |
| verify | verify | Verify text, enabled/disabled, selected/unselected, displayed/not displayed,exists,title |
| moveto | moveto | Move mouse over a web element |
| dragto | dragndrop | Drag and drop web element |
| doubleclick | doubleclick | To doubleclick a component |
| switchto |  | Switch to Frame, alert,window |
| compare | compare | Compare UI and database value |
| savedata | savedata | Save data in a temperory variable |
| getdbvalue | getdbvalue | Get db value in a temperory variable |
| dbconnect | dbconnect | Connect to database via connection string |
| executequery | executequery | Execute sql query |
| draftquery | draftquery | Draft the sql query |
| concat | concat | Append query string if parameterized |

**Set up guidelines**:

1. Replace below variables in Constants.py

Path\_TestData

Path\_Snapshot

Path\_IE\_driver

Path\_Chrome\_driver

host

port

username

password

Conn\_String

1. Fill in ‘TestSuite’ worksheet and enable test cases for run
2. Fill in ‘TestCase’ worksheet, make sure test case id is mapped to the steps
3. After filling in steps, make sure to mention ‘End’ after the last step
4. Fill in ‘Objects’ worksheet and object name should be same as in test steps
5. Ignore ‘Defects’ and ‘Keywords’ worksheet. Its just for documentation.

**Assumption**:

* The user of this framework is assumed to have installed pycharm or any other tool used to script python
* All required packages are installed (Selenium, ddt etc)
* Oracle sql developer should be installed

**How to run**: In terminal type below commands based on the browser you want,

cd Tests (Press enter)

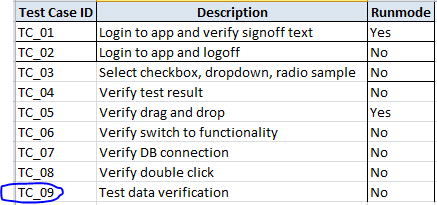
py.test -s -v main\_tests.py --browser Chrome (Press enter)

**Test iterations**: (New)

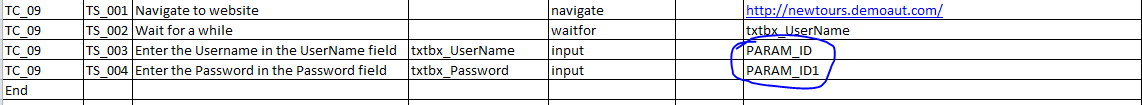
* Any data that is parameterized should have a separate worksheet in the name of Test case id
* In ‘Testcase’ and testdata worksheet, just mention ‘End’ after the last row. There is a minor bug in the framework if you don’t mention the ‘End’ word after the last row.

**Example:**

TC\_09 is a test case id in Testsuite spreadsheet.



Test case spreadsheet snapshot below which highlights parametrized test data. Here ‘PARAM\_ID’ and ‘PARAM\_ID1’ are the parameterized test data. Values of these test data are in the TC\_09 spreadsheet.



Below is the snapshot of the test data spreadsheet (Name of the worksheet should be same as Test case id,



Below is the test data in terms of columns and the corresponding values, TC\_09 will run for 3 iterations.

In Test case id column mention the test case id. I have used the Test case id as the primary key in determining the number of iterations for a test case.

