Accenture Interactive

ITAC

(Interactive Test Automation Cartridge)

End User Reference Document

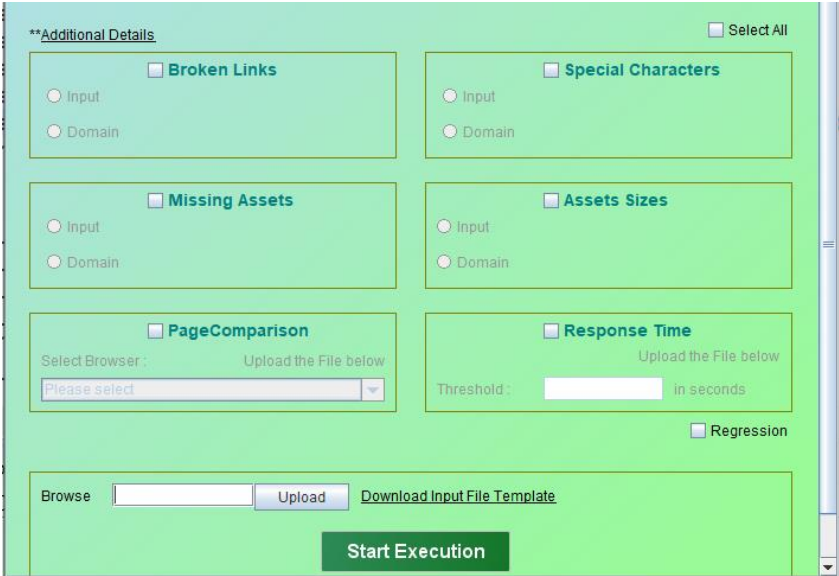| Authors	Abhishek Seelamanthula
	Madhukar Gangadhar
Contributors	Praneeth Molakala
	Rahul Babu Challa
	Siri Cheemaladinne
Interactive COP Reviewers	Javeed Shaik
	Bhawana Jha
	Praneeth Molakala
Asset Approvers	Srivathsan Ramanujam
	Sonal Naik

Contents:

1. Introduction:

ITAC application is designed for the automation of mobile & website applications validations as below:

    a. Finding the broken links throughout the site
    b. Fetching all the digital assets from the complete site and checking for special characters restricted in asset name if any & it also provide the asset sizes.
    c. It can also compare the assets between the 2 environments and shows the missing assets.
    d. Getting the response time for a webpage.
    e. Compare the pages of 2 environments to validate the UI.
    f. Regression suite for the project specific functionality checks.

2. Installation of ITAC Application:

    a. Download the zip file from End Application folder.
    b. Extract the zip file and place the ITAC files to a local folder
    c. Run the Batch.bat file which can be found in the extracted files to open the application.
    d. Application will be opened as below:
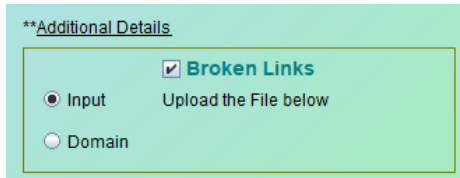
For Reference:

Tasks List:

1. **Broken Links Task – BL**
2. **Special Characters – SC**
3. **Missing Assets Task – MA**
4. **Display Asset Sizes – DA**
5. **Page Comparison – PC**
6. **Response Time – RT**
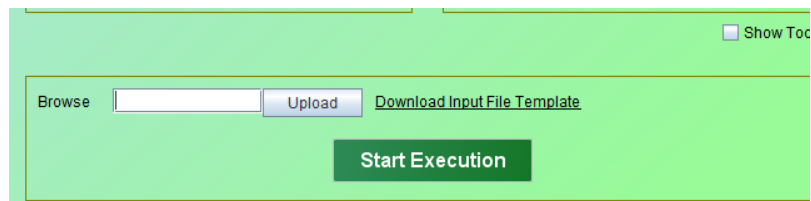7. **Regression Suite - RS**

3. Application Usage & Test Data:

Open the application, select the task by clicking on the Tasks checkboxes. (Single or Multiple).

a. For **BL** tasks, select the BL check box. Test data for BL can be given in 2 ways, Input or Domain. If user wants to check the broken pages in set of URLs' then user selects the INPUT test data type and if user wants to check the broken pages throughout the site, then DOMAIN needs to be selected.

1. For **INPUT** test data:

As mentioned on application user needs to upload the file using upload panel in application as below:

Also, the uploading file needs to be in specific format for which user can download it by clicking on Download Input file Link.

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Once you click on the download link, it asks for a folder path to save it. Save it in a local folder.

In test data excel, each task has each sheet. So, for the BL tasks, links should be given in Broken links sheet as below:

Then save this file and upload into the application.

(**Note:** Make sure all the excel sheets are saved & closed before clicking on the upload button, if not application will close all the excel sheets opened.)

2. For **DOMAIN** test data:

   If Domain is selected, then you need to provide the Single home domain URL, which will crawl complete site and fetch complete list of URLs which will be executed for Broken links test execution:
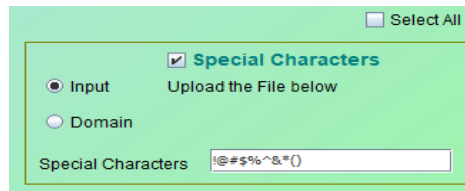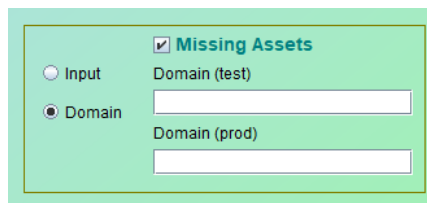

Click on Start execution to execute BL. If user wants to run multiple tasks, then user needs to follow the below steps and then start the execution and once execution starts user can perform any action on application till the execution is completed.

b. For **SC** tasks, the test data input should be given same as BL tasks (Input or Domain).
Also, as user is checking for the special characters in asset names, user needs to provide
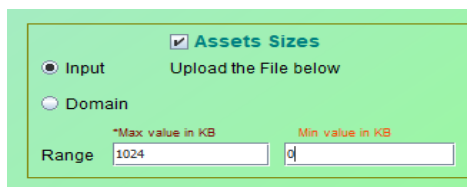the special characters against which the tool will search for.

Special characters should be given in the input field without any separators as shown.

c. For **MA** tasks, the test data input should be given same as BL tasks (Input or Domain).
But here the user needs to give the URLs' for 2 environments. Here title for input field is
given as Prod & test, so here test assets will be compared to prod and shows the missing
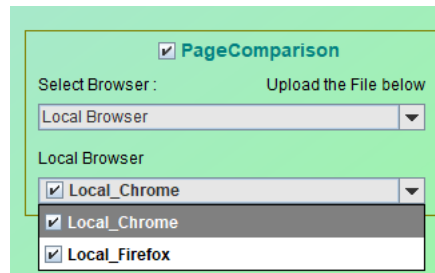assets result. But it can be any 2 environments for comparison.

d. For **AS** tasks, the test data input should be given same as BL tasks (Input or Domain).
Also, as user is checking for the asset sizes, user needs to provide the threshold values
(Max & Min in KB) in Range input fields. Values between the Max & Min will be shown
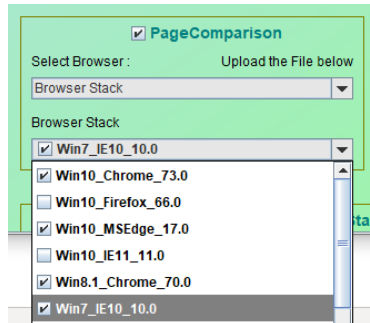as pass and others as failures.

e. For **PC tasks,** test data should be given in excel sheet only. Also, user selects the browser type in which execution is needed.

If local browser is selected, user can select either Chrome or Firefox or both.
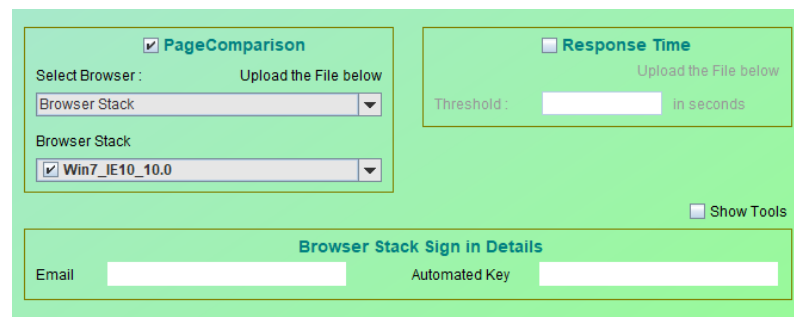

If Browserstack is selected, user need to select the browser values from the list as shown below:
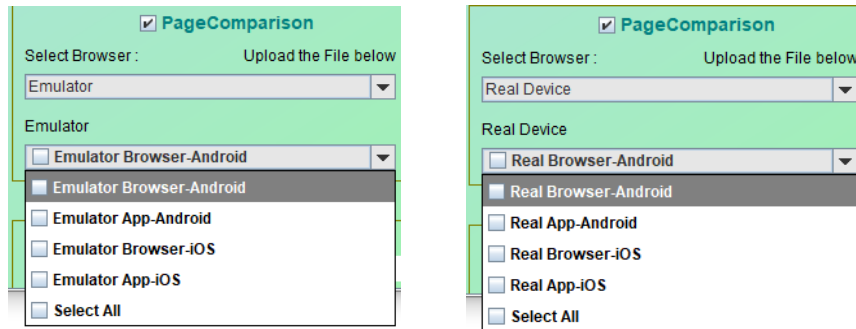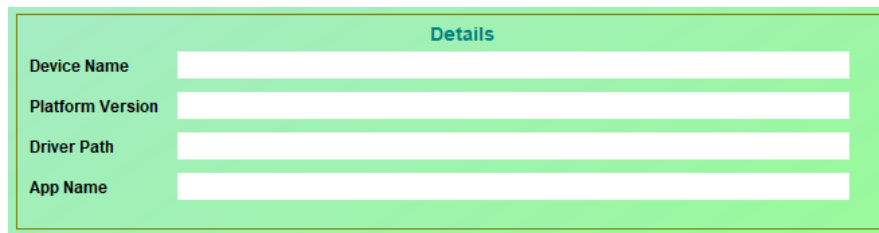
Also, for Browserstack, user needs to provide the User id & Automated Key to execute in browserstack:

If Real Device & Emulator is selected, user need to select the device values from the list as shown below:

User needs to input the above values while selecting the Emulator & Real device in browser list.

Also, before execution starts user needs to start the appium server.

If Emulator selected then user needs to open the Android Studio and start the device. Device name, Platform version needs to be same as Android studio's convention in Appium & GUI.

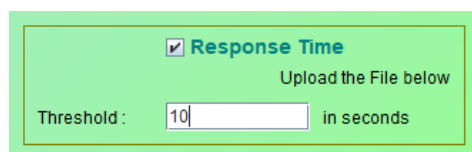For the Emulator & Real Device Setup in Windows & MAC please refer to below document:

ITAC-Emulator-RealD evice-SetUp-MAC.pdf   ITAC-Emulator-RealD evice-SetUp-Win.pdf

f. For **RT task,** test data should be given in excel sheet. Also, user should provide Threshold value in input field. Below which the results will be passed, and rest would be failures.
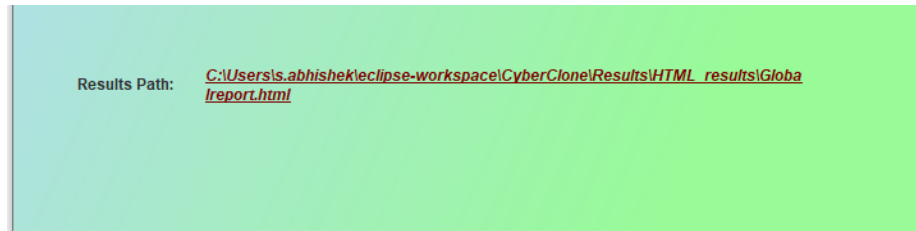
g. For **Regression task**, click on regression check box and select the regression suite in drop down, then select the sample script as below:

As of now sample test script is a demo script which would open the browser and hit the URL. But this sample test script can be replaced by any of the project specific functionality checks scripts.

h. Once all the required tasks are selected, then click on the Start Execution button, if any required field is not provided, then an error message will be popped up.

i. Once execution is completed, user can see a pop-up message, then click on OK to see HTML reports path pop-up window which navigates to file containing folder.
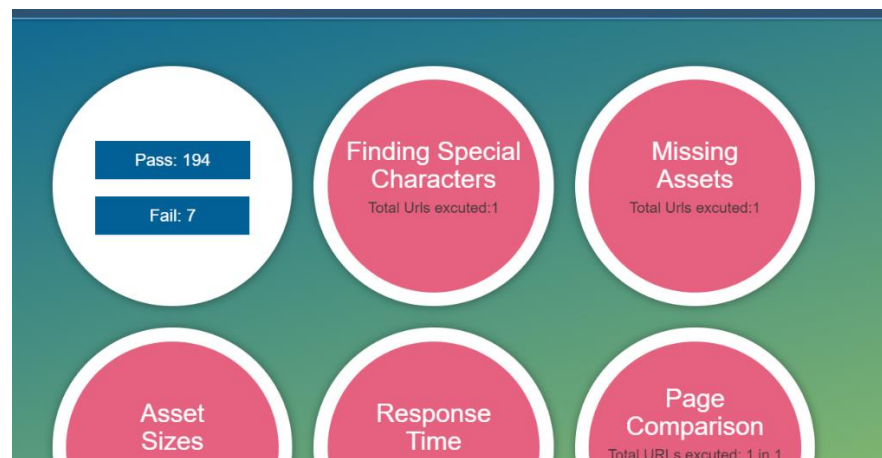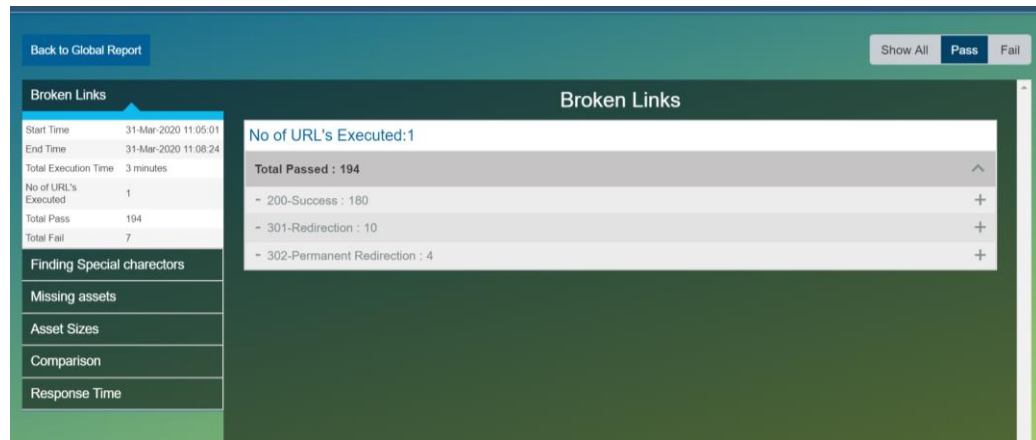
4. Completion & Reports:

HTML Results are segregated into tasks based and shown with Pass & Failures in each respective section as below:
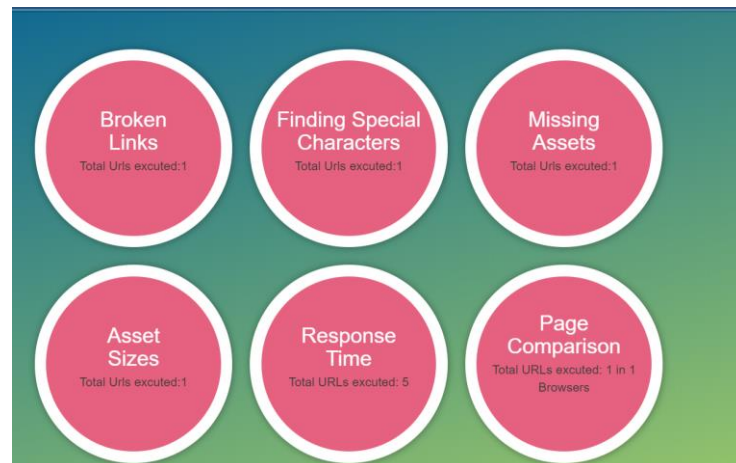
On Hover of each section user can see the pass, fail buttons with the count as below:

On click of buttons it will navigate to elaborated section with more details as below:

For Page comparison, all the sections are hyperlinked with the Actual & Expected images.

5. Additional Comments:

a. Make sure all the excel files are saved and close before you download & upload the template into application

b. Make sure all the inputs are provided before execution starts.

c. User can't manipulate anything on application during the execution.

d. Do not rename the file names in the folder and don't change the path of any file.

e. Click on the **Additional Details link** as shown in below pic on the GUI for any high-level references.

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