**Read me Document:**

**About the framework:** It is open source tool Katalon studio framework, and it is readily available in the market with basic framework setup is ready

Framework components: This Framework have some of the components and describes about each component below

1. Test cases – This package contains API, UI test cases in one framework (even we can have performance test also)
2. Object Repository – This packge contains API and UI folder structure. The UI package contains web UI elements are stored and API package contains GET, POST, PUT etc calls(contains aud, token, content-type etc)
3. Test Suites: This package contains API\_Sanity\_Suite, Regression\_Suite etc executable files
4. Data Files: Data files package used to store the input files for suite/test execution
5. Keywords: In this package we can store common utilities for API as well as UI. These are customizable keywords(functions/methods/common utilities etc)
6. Test Listeners: This package used to handle the test bed setup, login log out functions, BeforeSuite, AfterSuite functions etc
7. Reports: Reports will get generate at the end of the suite execution and stores in this folder with the time stamp.
8. Profile: We can create multiple set of profiles such as QA Profile, Dev Profile, API profile etc and can choose profile while executing the suite

**API Automation:**

I have considered Sample “Fake Online REST API for Testing” <http://jsonplaceholder.typicode.com> .

By considering this API I have simulated API Test Automation

/posts/1

/todos

/users

/posts

/comments

/badrequest

**UI Automation:**

I have just created sample folder structure, Because I don’t have any Application URL provided to Automate It. And in the assignment I didn’t find any requirement for UI Automation, that’s why I have created just place holder for the UI Automation

**How to run the API test cases(dummy test cases I have created)**

Prerequisite :

1. Katalon studio IDE is required :

Download Katalon studio and install, this will hardly take 5 min to do. Please refer <https://www.katalon.com/resources-center/tutorials/web/get-started/install-setup-katalon-studio/>

1. Checkout the assignment from Git: <https://github.com/HariprasadKS/AutomationFramework>

Setting up project:

1. Open Katalon studio
2. Import ‘assignment’ project

How to Run the project:

1. Open Testsuite -> API\_Sanity\_TestSuite file
2. Click on the run icon in the header of the katalon studion IDE.

How to check the report:

1. Open Reports -> API\_Sanity\_TestSuite -> file name with current time stamp will created. Now Right click on that and generate HTML/PDF/any format you want to see. Please refer generated html report