**Test Plan For API**

**Version No.:V0.1**

**Date: 19:03:2020**

**Project Name: API Automation for bitfinex**

*<Ensure the document version number on the cover page matches the table below.>*

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| **Ver #** | **Date** | **Prepared** | **Modified / Reviewed by** |
| 1.0 | 19-03-2020 | Nandini, Ajay |  |
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**1. Introduction**

**1.1: Purpose**

To Automate APIs Using Suitable Framework by finding the endpoint and adding proper assert validations

**1.2:** **Objectives**

The main objective is to document the test strategy for Automating the API Testing.

The test plan includes :

* Define what will be tested and what will be out of scope for API testing.
* Define how testing will be conducted.
* Identify how defects will be tracked and communicated.
* Communicate the testing schedule.
* Define the entrance and exit criteria for entering and exiting system tests.

**1.3: Scope**

Hit the below API and fetch the data by passing ticker names and capture the response and assert and validate for single or multiple arguments requests.

<https://api-pub.bitfinex.com/v2/tickers?symbols=tBTCUSD,tLTCBTC>

**2. Test Strategy**

**2.1: Summary**

This Test Plan explains the testing approach for testing the API Automation for Get request calls.

Cucumber Framework will be used with pages by using gherkin language in feature files and the keywords in feature file will be defined in step definition files and path of these file will be define using test Runner class.

Postman tool will be used to checking the response manually

For Reporting we are creating HTML content report using cucumber

**2.2** **Out of Scope**

1. User permissions not required.

2. User authentication and login is not required

**2.3 Assumptions**

* We assume that the for the given APIs we get proper response with the approach we are following
* Test Execution will be smooth with framework and proper reports are getting generated

**3 Test Execution Strategies**

With the cucumber framework we are executing our tests in test runner class and for report we are making use of cucumber plugin.

**4. Test Environment**

*<Provide an overview of the test environment. It should be as similar as possible to the production environment. If the software, hardware and network configurations are listed in the Infrastructure Architecture document, provide the link to the document.>*

**4.1 Software**

|  |  |
| --- | --- |
| **Environment** | **Server/URL** |
| Selenium | NA |
| Rest API | <https://api-pub.bitfinex.com/v2/tickers?symbols=tBTCUSD> |
| Postman | NA |

**4.2 Defect Tracking**

All defects found during testing will be entered and tracked

**4.3 Reporting**

Extent Report in Cucumber

**4.4 Resources**

*<Identify the person(s) that will participate in the aspects of system testing, both during preparation and execution. Some possible roles are listed below – delete or add as needed.>*

| **Names** |
| --- |
| Nandini |
| Ajay |