Test Automation Framework

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# Introduction

In this framework , I have tested the get catalog REST API from below link

<https://sbx-api-sec.ziniopro.com/catalog/v2/catalogs?access_token=>

The api needs OAuth token which is retrieved from below REST API and given details for client\_id,client\_secret and grant\_type

<https://sbx-api-sec.ziniopro.com/oauth/v2/tokens>

# Prerequisite

Java 1.8

Maven 3.6.1

Docker Community Edition latest version

# Technology

**Language** : Java 1.8

**Build Tool** : Maven

**Testing Framework**: Junit and Rest Assured

**Reporting**: Maven site and jacoco plugin

# Test Cases

1. testGetCatalogs

This test case test the get catalog api and assert the result and catalog data

1. testInvalidClientId

This test case test the get access token api if client id is invalid

1. testGetAccessToken

This test case is used to test the access token

1. testWithokenoutAccessToken

This test case is used to test the get catalog if access token is not provided.

## 

# Build

Extract the given zip file. Go to extracted folder.

Open the command prompt where pom.xml is there

Run **mvn clean test site**

See maven site and jacoco reports in **target/site** foder

# Docker Support

Docker file is provided with then zip.

Keep the docker file and run.sh at the same location where folder is extracted

Ex.

/tmp/test-automation

/tmp/test-automation/src

/tmp/test-automation/pom.xml

/tmp/Dockerfile

/tmp/run.sh

Run below command to build docker image

**docker build -f Dockerfile -t test-automation:v1 .**

Create directory structure like on your machine to store reports and run below command to run

**docker run -v /tmp/test\_automation/reports:/home/ubuntu/repo/test-automation/reports test-automation:v1**

**/tmp/test\_automation/reports -** This is directory on local machine to store reports

Above command will install maven dependencies on every run. To avoid this install maven on local machine and mount M2 repo while running docker image

docker run -v ~/.m2:/root/.m2 -v /tmp/test\_automation/reports:/home/ubuntu/repo/test-automation/reports test-automation:v1