Test Plan for API Testing

Automation with Maven Project and Rest Assured

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**Objective**:

To Automate the REST assured API using JAVA/Maven with TestNG framework.

**Scope**:

To Test the REST API, which related to the functionalities based on request using POSTMAN and compare the test result with automation script with different inputs.

**Test Resources**:

* Test Team: Automation Engineer with REST ASSURED API
* Test Environment: Test/Production
* Test Data: Valid Inputs from the given API
* Tools and Software: IDE (for writing test scripts in automation like eclipse, STS, NetBeans), POSTMAN, GITHUB (Commit the code after execution)

**Testing Approach:**

Testing Technique: Automation with API testing

Types of Testing: Functional, Regression & API Testing

**Test Case Design:**

* Understand the requirements.
* Plan how efficient the test script to be executed.
* Writing the test scripts according to the requirement.

**Test Case Execution:**

* Completion of test scripts start to execute the test case based on different inputs.
* In case any error/bug is produced need to raise the defect and tracking on the status of the bug along with test case.

**Risk and Contingencies:**

* Identify potential risks and their impact on the testing process.
* Provide a plan for mitigating risks.

**Test Metrics:**

* Test Process Metrics – Specify the key performance indicators you will track during testing.
* Test Completion Criteria – Define the conditions that must be met to consider testing complete.