**Elabor8**

API Dataset Validation

**Test Strategy**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 10/03/2023 | 1.0 | Dileep Mustipally | Initial Draft Version |
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# Scope

There is an API connects to a small database providing facts about cats. The API is unauthenticated and has 2 endpoints: list all the cat facts, or get details for 1 particular fact.

Reviewer : First Level Manager

# Test Approach

**Testing Process:**

Automation

**Testing Levels:**

Unit Testing

Integration Testing

System Testing

Regression Testing

**Roles and Responsibilities:**

Dileep Mustipally – Automation Engineer

**Types Of Testing:**

* Feature Testing
* Regression Testing
* Load Testing
* Security Testing

**Automation Tool:**

* Python / Unit Testing / Python/pytest
* Selenium (For GUI)

# Test Environment

**Test Environment:**

Operating System : Windows 10

IDE : PyCharm

Language / Library : Python/REST API Modules

Dataset File : CSV File

**Test Case Repository:**

<Link to test cases>

**Test Script Repository:**

<Git hub url>

**Test Reports (CI/CD):**

<Jenkins Path to Test Execution Report>

<Jira Path to Test Execution Report>

# Testing Tools

* Automation and Test management tools needed for test execution
* Figure out number of open-source as well as commercial tools required, and determine how many users are supported on it and plan accordingly

# Release Control

* Release management plan with appropriate version history that will make sure test execution for all modification in that release

# Risk Analysis

* List all risks that you can estimate
* Give a clear plan to mitigate the risks also a contingency plan

# Review and Approvals

* All these activities are reviewed and sign off by the business team, project management, development team, etc.
* Summary of review changes should be traced at the beginning of the document along with approved date, name, and comment