**Test Plan - Currency ISO Code to Name**

**(SOAP Project)**

-By Sharvari Pravin Mehta

1. [**Test Plan**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.30j0zll) **1**
2. [**Objective**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.3znysh7) **2**
3. [**Scope**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.2et92p0) **2**
4. [**Inclusions**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.tyjcwt) **2**
5. [**Test Environments**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.3dy6vkm) **2**
6. [**Defect Reporting Procedure**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.1t3h5sf) **3**
7. [**Test Strategy**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.4d34og8) **3**
8. [**Test Schedule**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.2s8eyo1) **3**
9. [**Test Deliverables.**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.17dp8vu) **3**
10. [**Entry and Exit Criteria**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.3rdcrjn) **4**
11. [**Test Execution**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.35nkun2) **4**
    1. [**Entry Criteria:**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.1ksv4uv) **4**
    2. [**Exit Criteria:**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.44sinio) **4**
12. [**Test Closure**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.2jxsxqh) **4**
    1. [**Entry Criteria:**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.z337ya) **4**
    2. [**Exit Criteria:**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.3j2qqm3) **4**
13. [**Tools**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.1y810tw) **4**
14. [**Risks and Mitigations**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.4i7ojhp) **5**
15. [**Approvals**](file:///C:\Users\Sharvari%20Mehta\Desktop\SDET\API%20Testing\Personal%20Projects\TestPlan_CURA-HealthcareService.docx#_heading=h.2xcytpi) **5**

**1. Test Plan**

This document defines the test approach for the SOAP API CurrencyName from CountryInfoService. The API accepts an ISO currency code as input and returns the corresponding currency name. Testing will be performed using **SOAP UI**.

**2. Objective**

* To validate that the Currency Name API returns correct currency names for valid ISO codes.
* To ensure proper error handling for invalid, empty, and malformed requests.
* To verify schema compliance, functional correctness, and response performance.

**3. Scope**

**In Scope:**

* Functional testing of valid and invalid inputs.
* Schema validation of SOAP request/response.
* Boundary value and negative testing.
* Response performance validation (basic).

**Out of Scope:**

* Load/stress testing.
* Security testing (no authentication required).

**4. Inclusions**

* Positive test cases with valid ISO codes (USD, INR, EUR, etc.).
* Negative test cases with invalid codes, empty values, and special characters.
* Case sensitivity check (uppercase vs lowercase codes).
* Performance validation (response time < 2 seconds).
* Schema validation against WSDL.

**5. Test Environments**

* **Tool:** SOAP UI (Open Source / Pro)
* **Endpoint:** http://webservices.oorsprong.org/websamples.countryinfo/CountryInfoService.wso
* **WSDL:** http://webservices.oorsprong.org/websamples.countryinfo/CountryInfoService.wso?WSDL
* **Protocol:** SOAP 1.1 / 1.2
* **Content-Type:** text/xml; charset=utf-8

**6. Defect Reporting Procedure**

* Defects will be logged in the defect tracking tool (e.g., JIRA/Excel).
* Each defect will include:
  + Summary
  + Steps to reproduce
  + Expected vs Actual result
  + Severity & Priority
* Defects will be tracked until closure.

**7. Test Strategy**

* **Functional Testing:** Validate correctness of response values.
* **Negative Testing:** Verify handling of invalid, empty, and malformed inputs.
* **Schema Validation:** Validate response structure with WSDL schema.
* **Boundary Testing:** Test with minimum and maximum input length.
* **Performance Testing:** Validate API responds within acceptable time (< 2 seconds).

**8. Test Schedule**

| **Activity** | **Timeline** |
| --- | --- |
| Test Plan Preparation | Day 1 |
| Test Case Design | Day 2 |
| Test Environment Setup | Day 3 |
| Test Execution | Day 4 – Day 5 |
| Defect Reporting & Retesting | Day 5 – Day 6 |
| Test Closure & Reporting | Day 7 |

**9. Test Deliverables**

* Test Plan document
* Test Cases (Excel/SOAP UI project file)
* Test Execution Report
* Defect Log
* Test Closure Report

**10. Entry and Exit Criteria:**

**Entry Criteria:**

* WSDL available and accessible.
* SOAP UI installed and configured.
* Test data prepared and validated.

**Exit Criteria:**

* All planned test cases executed.
* All critical/high defects resolved or deferred with approval.
* Test summary report prepared.

**11. Test Execution**

1. **Entry Criteria:**

* Test cases reviewed and approved.
* Test environment available.

1. **Exit Criteria:**

* All test cases executed.
* Defects logged and triaged.

**12. Test Closure**

1. **Entry Criteria:**

* All test cycles completed.
* Defects closed or deferred with stakeholder approval.

1. **Exit Criteria:**

* Test closure report signed off.
* Lessons learned documented.

**13. Tools**

* **SOAP UI** → Test case design & execution
* **Excel/JIRA** → Test case management & defect tracking

**14. Risks and Mitigations**

| **Risk** | **Impact** | **Mitigation** |
| --- | --- | --- |
| Service downtime | Block test execution | Retry in next window |
| API returns inconsistent data | Incorrect validation | Cross-check with ISO currency list |
| No explicit error handling for invalid inputs | Misleading results | Document observed behaviour clearly |

**15. Approvals**

* **Prepared By:** [Tester’s Name]
* **Reviewed By:** [QA Lead/Manager]
* **Approved By:** [Project Manager/Stakeholder]