User Acceptance

Test Plan

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# Acceptance Test Plan

This document explains the overall Acceptance Test Plan. Acceptance test plan is prepared with an aim to help software get validated against the requirement.

## Acceptance Testing - What is it?

**User Acceptance Testing (UAT)** is a type of testing which is performed by the end user or the client to verify/accept the software product before moving the software application to the production environment. It is performed in the final phase of testing after functional, integration and system testing is done.

### Verify API

* In this case UAT is performed to verify self-hosted API web Metadata retrieval is acceptable.

## Purpose of UAT (Why)

The main **Purpose of UAT** is to validate end to end business flow. UAT does not focus on cosmetic errors, spelling mistakes or system testing. User Acceptance Testing is carried out in an acceptance testing environment with production-like data. It is performed at UI level with real life data.

### Perform End to End scenario for API

* In this case During the UAT, the main task is to do end to end scenario testing and verify all our API web metadata specific business requirements are met.

## Who Performs UAT?

User Acceptance Testing is mainly performed by:

* End User
* Client

### API Testing Stakeholders

* In this case UAT is performed considering, uses as developer, open source users and those who would be interested in consuming API Service.

## When do we perform User Acceptance Testing

UAT is performed toward the later part in the life cycle, mostly towards the end when software has undergone Unit, Integration and System testing. This is primarily because developers might have built software based on their own understanding of requirements. So, during the acceptance testing where the final product is accepted by client/end-user, user acceptance testing is needed.

### UAT schedule

* In this case UAT is performed post unit and functional black box testing

Recommended steps to perform UAT

* Business Requirements analysis
* Prepare UAT test plan
* Identify Test Scenarios
* Create UAT Test Cases
* Preparation of Test Data (Production like Data)
* Run the Test cases
* Record the actual Results against expected results
* Based on pass/fail test cases confirm business objective

### UAT steps for API web Metadata retrieval

* We have created a UAT test plan, developed User acceptance test cases (including reusable test components), performed Test execution and identified test cases as pass/fail and reported defects to the development team.

For better understanding we can go through the following excel sheet attached to this document. Excel sheet -> Acceptance test cases.

