**Test Plan:**

iTunes Search API testing

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10/22/2016

1. **INTRODUCTION**

This document contains the test plan for the iTunes Search API. The Search API allows you to place search fields in your website to search for content within the iTunes Store, App Store, iBooks Store and Mac App Store. You can search for a variety of content; including apps, iBooks, movies, podcasts, music, music videos, audiobooks, and TV shows.

1. **OBJECTIVES AND TASKS**
2. **Objectives**

Describe the objectives supported by the Master Test Plan, eg., defining tasks and responsibilities, vehicle for communication, document to be used as a service level agreement, etc.

Objective of this document is to explain the

1. **Tasks**
2. Script changes whenever necessary.
3. Addition of new test cases if there is a change in the behavior.
4. Reporting issues using JIRA or Trello
5. Tracking issues to closure and performing tests again once the issue is resolved.

**3.0 SCOPE**

**General**

The scope of this testing is very limited to testing only the search API for iTunes.

**4.0 TESTING STRATEGY**

Both manual and automation testing will be performed on every release.

1. **Unit Testing**

Unit testing should be taken care by the development team. If required, there will be additional effort for the testing team.

* 1. **Batch Testing**

**4.3 Automated Regression Testing**

On every change that is detected in the server code, a Jenkins job will be triggered which consists of all the tests and any failure will be immediately noted to the development team.

**5.0 HARDWARE REQUIREMENTS**

Normal laptop with generic configurations

1. **ENVIRONMENT REQUIREMENTS**

PC should be connected to the good wifi network when making calles to the API. There are no other specific environment requirments.

**7.0 TEST SCHEDULE**

<Here we actually define the time that is required to automate the API calls>

**8.0 CONTROL PROCEDURES**

**Problem Reporting**

Any problem with respect to the server during the testing will be indicated to the DevOps team and must be resolved with high priority.

**Change Requests**

Any changes made to the existing API should be immediately indicated to the testing teams through any means of communication.

**9.0 FEATURES TO BE TESTED**

All the available API values to be tested with all the valid and invalid params.

**10.0 SCHEDULES**

**Major Deliverables**

Following documents will be provided after the

* Test Plan
* Test Cases

**11.0 DEPENDENCIES**

The only dependency is that those API’s are hosted in the separate server and if the server is down, we would not be able to run any tests.

**12.0 TOOLS**

Rest Assured for calling the API’s from the Java code and Use JIRA or Trello as bug tracking tool