

Search API Test Plan

Revision History

Date	Version	Description	Author
10/11/2016	1.0	search API test plan	Ping

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Test Plan

1. Objective

This document describes the plan for testing Search API Project. This Test Plan document supports the following

- Identify existing project information and the software components that should be tested.
- Recommend and describe the testing strategies to be employed.
- Identify the required resources and provide an estimate of the test efforts.
- List the deliverable elements of the test activities.

2. Scope

This Test Plan applies to testing all requirements of the Search API Project defined in <https://github.com/iappsqainterview/searchAPI/blob/master/API.md>

3. Test Requirements

Functionality testing:

- Verify each parameter with different values
- Verify multiply parameters with different value combinations

4. Test Strategy

Testing of the application should focus on any target requirements that can be traced directly to use cases (or business functions), and business rules.

- Test Objective: Ensure proper parameter values are given and return expected result.
- Technique:
 - Execute each use case, use case flow, or function, using valid and invalid data, to verify the following:
 - The expected results occur when valid data is used.
 - The appropriate error / warning messages are displayed when invalid data is used.

5. Deliverables

Deliverables for this Test Plan are outlined in the table below.

Deliverables	Owner	Reviewer	Date Due
Test Plan	Ping		10/11/2016
Test Suite	Ping		10/11/2016

Test Suite: SearchAPI

Test Cases:

1. parameterkeyvalue is null
2. term is null
3. term is empty
4. term value with encoded special characters (\$, !,)
5. term value with non-encoded special characters (-, ., _, *)
6. term value is correct
7. country is null (should use default value)
8. country is empty
9. country value with special characters
10. country value with correct country code
11. only country provided
12. media is null (should use default value)

13. media is empty
14. media value with other type
15. media value with correct type
16. only media provided
17. limit is null (should use default value)
18. limit less than 1
19. limit greater than 200
20. limit value is not numerical
21. limit value between 1 and 200
22. only limit provided
23. combinations